The Islamia University of Bahawalpur <u>SUMMARY OF COST</u>

<u>Construction of Academic Block for Physics Department at</u> <u>Baghdad-ul-Jadeed Campus</u>

ENGINEER'S COST ESTIMATE

S/N	DESCRIPTION	AMOUNT (Rs.)
Α	SCHEDULED ITEMS	
1	CIVIL WORK	
2	INTERNAL PUBLIC HEALTH WORK	
3	EXTERNAL PUBLIC HEALTH	
4	ELECTRICAL WORK	
5	EXTERNAL ELECTRICAL WORK	
6	IT DATA CABELING SYSTEM	
	Sub Total (A) :	
В	NON-SCHEDULED ITEMS	
1	CIVIL WORK	
2	ELECTRICAL WORK	
3	EXTERNAL ELECTRICAL WORK	
4	FIRE ALARM SYSTEM WORK	
	Sub Total (B) :	
	TOTAL (A+B) :	
С	Add 3% Contingencies :	
	TOTAL (A+B+C) :	
	Add 5% PRA :	
	GRAND TOTAL :	

Project Director/Coordinator

Construction of Academic Block for Physics Department at Baghdad-ul-Jadeed Campus

ENGINEER'S COST ESTIMATE

CIVIL WORKS

ltem No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Work No.0 Amount (Rs.
IRS 1		ا 023 (1st Jan-2023 to 30th Jun -2023) DISTRICT BAHA			ζ, γ	
-	DULE ITEMS					
Earth V						
1	CH:3 item 47(b) P-33	Jungle clearance and removing within 100 ft. (30 m).b) thick	1000 Sft	74,000.00		
2	CH:3 item 21 P- 30	Excavation in foundation of building and other sructures, including debelling,dressing,refilling around structure with excavated eart,watering and ramming lead upto one chain 100ft and lift upto 5 ft. in ordinary soil.				
	a)ii	By Excavator (ii) In ordinary Soil	1000 Cft	325,800.00		
3	CH:3 item 18	Dressing and levelling of earhtwork to designed section, etc.Ordinary or hard soil	1000 Cft	99,800.00		
4	CH:3 item 15 P-29	Filling, watering and ramming earth under floors:				
	CH:3 item 15(i) P-29 CH:3 item	i) with surplus earth from foundation, etc.	1000 Cft	217,200.00		
	2+17 (a,b &c) P-27 + 29	i) with new earth excavated from outside,upto one mile. (1.6 Km.)	1000 Cft	295,000.00		
5	CH:3 item 25 (i) P-31	Compaction of earthwork with power road roller, including ploughing, mixing, moistening earth to optimum moisture) content in layers, etc. complete:				
		i) 85% maximum modified AASHO dry density.	1000 Cft	74,000.00		
Anti-	CH:26 item 43	Spraying anti termite proofing by using liquid FMC				
-	P-214	Biflex 2.5%EC Mixing Ratio 1:50=137-Sft or using liquid MIRAGE Ali Akbar /RANGERS Auriga 5% SC Mixing Ability-HEXTAR Ratio 1:110=205-Sft or any other equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge				
Diain	and Deinference	nt Concrete	Per Sft	148,000.00		
7	and Reinforeme CH:6 item 5 P-41	Concrete Cement concrete plain including placing, compacting , finishing and curing complete (including screening and washing of stone aggregate):-				
	(i)	Ratio 1: 4: 8	100 Cft	14,450.00		1
	(f)	Ratio 1: 2: 4	100 Cft	24,150.00		
8	CH:6 item 6 P-42	Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				
	(a)(iii) P-43	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in i) above not requiring form work (i.e. horizental shuttering) complete in all respects:-				

ltem No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Mork No.01 Amount (Rs.)
Foun	dation					
	(2) (a)(ii) P-42	Type B (nominal mix 1: 1½: 3)	Per Cft	92,500.00		
	(a)(ii) P-42	Reinforced cement concrete in retaining /Shear walls laid in situ or precast laid in position, or prestressed members cast in situ (Form work on both sides), complete in all respects:				
	b)i	Type B (nominal mix 1:1-1/2:3)				
		Upto 9" thick (Avg)	Per Cft	1,000.00		
	(a)(i) P-42	Reinforced cement concrete slabs, beams, girders, Lintels and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects;- GROUND FLOOR				
	(a)(i)(2)	Type B (nominal mix 1: 1½: 3) FIRST FLOOR	Per Cft	110,225.46		
	(a)(i)(2)+(d)	Type B (nominal mix 1: 1½: 3)	Per Cft	71,931.00		
	(a)(I)(2)+(u)	MUMTY	Feron	71,931.00		
	(a)(i)(2)+(dx2)	Type B (nominal mix 1: 1½: 3)	Per Cft	6,585.00		
Carria				2,230.00		1
9	CH:1 item 1 P-3	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. (Lead 366 kms From Sargodha to site of work)	% Cft	205,070.00		
Steel	Reinforcement	(70 G.L	200,010100		
10	CH:6 item 12 (c) P-45	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) (c) Deformed bar (Grade 60)	100Kg	1,092,585.00		
11	CH:6 item 36 (b)(i) P-48	Providing and laying damp proof course of cement concrete 1:2: 4(using cement, sand and shingle), b) with 2 coats of bitumen :- i) 1 ¹ / ₂ " thick (40 mm)	100 Sft	200.00		
12	CH:6 item 28 P-47	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:-				
	a)	On interior surface (without mastic strip)	Per/Rft	500.00		
	b)	On exterior surface (with mastic strip)	Per/Rft	500.00		
13	CH:6 item 35 (b) P-47	Providing and fixing thermopore (foamed polythene) sheet in horizontal and vertical expansion joints:				
		b) 11/2" (40 mm) thick thermopore sheet	Per/Sft	2,500.00		
14	CH:6 item 15 P-45	Providing and fixing ornamental cement jali 2" (50 mm) thick(1: 2: 4), without steel.	Per Sft	3,150.00		
	Work					
15	CH:7 item 4 (i) P-52	Pacca brick work in foundation and plinth in:- Cement, sand mortar:-Ratio 1:6	100 Cft	10,162.00		
		GROUND FLOOR				
16	CH:7 item 5 (i)	Pacca brick work in ground floor :-				
	P-53	Cement, sand mortar:-Ratio 1:6	100 Cft	65,574.00		
17	CH:7 item 5 (i) P-53	Pacca brick work in ground floor :- Cement, sand mortar:-Ratio 1:4	100 Cft	2,049.86		

				-		Work No.01
ltem No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
		FIRST FLOOR				
18	Ch-7 item 5 (i) & 6 (i) P-53	Pacca brick work in first floor:- Cement, sand mortar:-Ratio 1:6	100 Cft	64,988.00		
19	CH:7 item 5 (I) & 6 (i) P-53	Cement, sand mortar:-Ratio 1:4	100 Cft	2,049.86		
20	Ch-7 item 5 (i) & 6 (ii) P-53	MUMTY Pacca brick work in second floor:- Cement, sand mortar:-Ratio 1:6	100 Cft	2,416.05		
21	Ch-7 item 9 P-54	Extra labour for arch work in brick masonry, including labour for centring and decentring.	100 Cft	250.00		
Floor	<u>u</u>					
22	Ch-7 item 30 P-57	Supplying and filling sand under floor; or plugging in wells	100 Cft	24,500.00		
23	Ch-06 item 02	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.	100 Cft	42,235.08		
24	Ch-10 item 40 (a) P-72	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels a) Size $1\frac{1}{2}$ " x 3/8" (40 x 10 mm)	Per Rft	1,873.37		
25	Ch-10 item 41 (b) P-72	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) b) 60-mm thick	P.Sft	12,500.00		
26	Ch-10 item 42 (a-1) P-73	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed tiles				
		(ii) 600mmx 600 mm	P.Sft	123,500.00		
27	Ch-10 item 43 (a-1) P-73	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed tiles				
		(ii) 600mmx 600 mm	P.Sft	32,889.35		
28	Ch-10 item 18 P-69	Extra labour for each storey above ground, for mosaic,conglomerate, tiles , stone and wooden floor.	100 Sft	60,500.00		
29	Ch-10 item 47 (i) P-74	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities / Shelves / Treads/ Window Cills , having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortor i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge.				
		China Verona	P.Sft	3,040.00		
30	Ch-10 item 48 P-74	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carborandam disc as approved and directed by the Engineer Incharge.	P.Rft	1,500.00		

			-			Work No.01
ltem No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
31	Ch-10 item 49 P-74	Extra cost for making hole in Marble slab for fixtures, Sink,burners, basin Vanities i/c cost of bevelling of internal edge as approved and directed by the				
		Engineer Incharge.	Each	85.00		
32	Ch-10 item 50 (i) P-74	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge (for podium, Stair steps, Risers) (i) 3/4" thick	P.Sft	3,876.00		
22	Ch 10 itom 24	Providing and Joving suports quality Coromia tile				
33	Ch-10 item 24 (i) P-70	Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge.		0.000.00		
		12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	P.Sft	2,800.00		
34	Ch-10 item 25 (I) P-70	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge.				
		12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	P.Sft	6,500.00		
	e Rendring					
35	Ch-11 item 10 (b) P-76	Cement plaster ratio 1:3 under soffit of RCC roof slabs only , upto 20' height. 3/8" (10 mm) thick. (ceiling plaster)	100 Sft	79,178.73		
36	Ch-11 item 9 (b)	Cement plaster 1:4 on internal walls upto 20' (6 m)				
		height, 1/2" (13 mm) thick.	100 Sft	220,555.00		
37	Ch-11 item 9 (c) P-76	Cement plaster 1:4 on external walls upto 20' (6 m) height, 3/4" (20 mm) thick.	100 Sft	129,000.00		
38	Ch_{-11} item 0 (a)	Cement plaster 1:4 on external walls upto 30' (9 m)				
30		height, 3/4" (20 mm) thick.	100 Sft	12,565.00		
39		Cement plaster 1:4 on external walls upto 40' (12 m) height, 3/4" (20 mm) thick.	100 Sft	4 200 00		
Wood	Work & Door Che	owkat	100 31	4,300.00		
40		P/F 3/4" dia <u>Heavy Duty Sliding Bolt</u> of specified material i/c the cost of hardware complete in all respect as approved and directed by the Engineer Incharge.				
		iii) brass sliding bolt, 10" (250 mm) long	Each	416.00		ļ
41	Ch-12 item 7(b)	Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bolt,lock and chowkats (frame), etc.) as approved and directed by the Engineer Incharge. b) Oak/Ash wood Door 1.50" Thick	Per Sft	8,850.00		

	Ĩ.	ГТ				Work No.01
ltem No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
42	Ch-12 item 17-ii, iii P-84	Providing and fixing 2" wide <u>MS Chowkat</u> <u>Singel/Double rebate</u> made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock hole covered with MS Box,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge.				
		i) 10.50 " wide	Per Sft	2,975.00		
		ii) 5.5 " wide	Per Sft	975.00		
Paintir	ng and Warnishir	ig				
43		Preparing surface and painting with <u>Emulsion Paint</u> :- 3 Coats New Surface	100 Sft	330,000.00		
44	Ch-7 item 38 P-79	Providing and laying <u>Fair Face Gutka</u> cladding laid in (1:2) cement / red posso mortar having 1/4" thick groove finish i/c cost of 8 SWG wire in shape of 8 placed horizontally and vertically at 36" and 18" c/c respectively i/c cutting charges as per approved drawing , complete in all respect as approved and directed by the Engineer Incharge. ii. 2-1/4" x 3" x 9"	P. Sft	47,500.00		
45	Ch-13 item 46 P-98	Providing and applying <u>Wall Putty</u> of 2mm thicknessover plastered surface (new surface) to prepare the surface even and smooth complete in all respects.(On Interior Walls/Members Only)	%Sft	267,000.00		
46	Ch-11 item 23 P-77	Distempering:-a) new surface:- 3 Coats (For Ceiling)	%Sft	85,000.00		
47	Ch-13 item 33 P-98	Providing and applying <u>Weather Shield Paint</u> of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:New Surface 2 Coats	% Sft	35,622.00		
48	Ch-13 item 44-i P-98	Preparing surface and <u>Lacguar Polish</u> to reveal wooden grains by application of multiple coats of wood sealer, sand papering with different no of sandpapers and Lacquar to make glossy surface finish i/c the cost of cotton, thinner, wood sealer complete in all respects as approved and directed by the Engineer Incharge				
		Matt Finish	Per Sft	15,550.00		
Roofin	g & Water Proofi					
49	Ch-9 item 45 (c) P-66	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation / <u>Foam Board</u> on roof or walls, Density 32-38 Kg/M, compressive strength 250-400kpa,R-value 5 per inch thickness and water obsorption (1% by volume, cell structure clored cell) i/c cutting and placing in position. complete in all				
		respect.c) 1.50" thick	100 Sft	73,650.00		1

		1				Work No.01
ltem No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
50	Ch-9 item 5 P-61 + Ch-26 item 37(iix2) P-214	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.i/c P/L double layer polythene sheet 500 gauge	100 Sft	73,650.00		
				- ,		
51	Ch-9 item 15 P-63	<u>Khuras on Roof</u> 2'x2'x6" (600 x 600 x 150 mm).	Each	50.00		
52	Ch-9 item 16 P-63	Bottom Khuras of brick masonry in cement mortar 1:6, 4'x2'x4½" (1200x600x113 mm) over 3" (75 mm) cement concrete 1:4:8.	Each	50.00		
	enious					
53	Ch-25 item 59 (i) P-209	Providing and fixing M.S. Grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge.				
		(i) 3/8" Squar Bars	Per Sft	8,650.00		
54	Ch-25 item 56 P-209	Providing and fixing 2 mm thick Double Glazed				
		Aluminium Windows of anodize / powder coated partly fixed and party sliding using deluxe section of 100mm x 40mm x2 mm using frame (70501) at bottom, (70502) at Top & Side made of Pakistan Cables/Alcop having Leaf Frame size 31mm x 60mm x2 mm (70506) at Top & Bottom, 35mm x 60mm x2 mm (70505) at center and 35mm x 60mm x2 mm(70503) at sides , fixing 5 mm thick imported tinted double glass and air tight using double tape, chemical strips, Silicon using approved latches, wheels for channel, stopper, brush channel angle joint and hardware etc.(excluding the cost of Fly Proofing). Complete in all respect as approved and directed by the Engineer Incharge.	Per Sft	9,550.00		
55	Ch-25 item 53 P-208	Providing and fixing <u>Aluminum Fly Screen</u> comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1- 1/2"x1/2" and thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	Per Sft	4,775.00		
56	Ch-25 item 64 P-210	Providing and fixing 2'-9" high <u>Stair Railing</u> comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.				
		an eeted by the Engineer monarge.	Per Rft	400.00		

1	-	1	1			Work No.01
ltem No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
57	Ch-9 item 48 (iii) P-66	Providing and fixing False Ceiling comprises of Gypsum board laminated sheet of size 2'x2'/2'x3'/ 3'x3'of specified design and thickness i/c cost of fixtures i.e galvanized angle 1" x 1" at wall sides, galvanized tee 1¼" x 1"and 1 ½" x 1" both at 4' c/c (made of Taiwan CKM or equivalent), hanging with G.I/Copper wire 16 SWG, G.I hook, Rawal Plug etc: complete in all respects as approved and directed by the Engineer Incharge.(For Labs)				
		9 mm thick	Per Sft	50,786.00		
58	Ch-12 item 7-a-i P-81	Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bolt,lock and chowkats (frame), etc.) as approved and directed by the Engineer Incharge Deodar wood Door: 2" thick (50 mm) (For		0.000		
		Main Door)	Per Sft	240.00		
		Total "A"(Schedule items) C/o to Summary of Cost:				
NON S	CHEDULE ITEM					1
		Flooring				
1	N.S	Excavation Upto any Depth Structural Excavation in any kind of soil above / below water level for levelling and grading of building, for raft / foundations and other structures upto any depth (Below 5' Feet), and disposal of unsuitable / surplus excavated material outside the project premises at any lead, including restoration of any damages during excavation is the responsibility of contractor complete in all respects as per Specifications and as per approval of The Engineer.	Per/Cft	442 974 25		
			Pei/Cit	113,871.25		
2	N.S	Providing and fixing UPVC Doors 38mm thickness i/c deluex matching color UPVC Frame (matt or glossy finish) having color (whiteGray-Marble Gray-Oak Wood- Dard Oak Wood, Coffee Wood Honey Pine Wood-Mahagony-Marry Gold-Chocolate Brown- Honey Dew) i/c all accessories complete in all respect as approval by the Engineer Incharge.	Per/Sft	965.00		
3	N.S	Providing and fixing Handle lock (Hiluke/DAF/Khas or equivalent), complete in all respect as per specification and as approved by the Engineering Incharge.	Each	350.00		
4	N.S	Providing & Fixing Cabinet consisting of lamination board 3/4" thick for leaves, kail wood frame 2.50" x 1", Gola for 'leaf 3/4" x 3/4" including sprit polish for gola complete in all respects as per design, drawing & pattern as approved by the 'engineer Incharge (Cabinet Down portion)	Per/Sft	500.00		
5	N.S	Providing & Fixing Cabinet Upper Portion consisting of lamination board 3/4" thick box and leaves, Partal wood frame 3" x 1", Gola for 'leaf 3/4" x 3/4" including siprit polish for gola complete in all respects as per design, drawing & pattern as approved by the Engineer Incharge.	Per/Sft	300.00		

ltem No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
6	N.S	Providing & Fixing Looking Glass 5-mm thick best quality,complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.	Per/Sft	320.00		
7	N.S	Providing and fixing Steel Floor trap Jali complete in all respect as per specification and as approved by the Engineering Incharge.	Each	80.00		
		Total "B"(Schedule items) C/o to Summary of Cost:				
		Net Total (A+B)				

Construction of Academic Block for Physics Department at Baghdad-ul-Jadeed Campus

ENGINEER'S ESTIMATE

INTERNAL PUBLIC HEALTH WORK

	Work No.01							
ltem No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)		
MRS,	1st BI-ANNU	JAL-2023 (1st Jan-2023 to 30th Jun -2023) DISTRICT	BAHAV	VALPUR				
		Schedule Items (A)						
Plum	bing Fixtures				-			
1	Ch 19 item 23/P-127	Providing and fixing BATHROOM ACCESSORIES (7- piece set) MASTER BRAND - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge.						
		i) Plastic soap dish	Each	84				
		ii) Plastic toilet paper holder	Each	84				
		iii) Plastic tower rail	Each	42				
		iii) Plastic shelf 60x13 cm (24:x5") with bracket and railing		20				
		iv) Looking glass with plastic frame	Each	20				
2	Ch 19 item 1/P-125	Providing and fitting glazed earthen ware water closet European type, excluding seat and cover:-						
		coloured	Each	20				
3	Ch 19 item 2/P-125	Providing and fixing, double seat and cover only. Bakelite	Each	20				
4	Ch 19 item 4/P-125 ii)	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with coloured						
5	,	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.		32				
		i) white, with pedestal	Each	20				
		ii) Under Counter Vanity Basin	Each	64				
6	8/P-126	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe and waste coupling.	Each	8				
7	Ch 19 item 52/P-132	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open wall shower, Muslim shower,waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge.						
		(i) 3 No Tee Stop Cock	Each	46				
		(ii) Lever Type Basin Mixer	Each	84				
		(iii) Double Bib Cock	Each	16				
		(iv) Muslim shower	Each	92				

ltem No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
8		Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex /Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned)				
		PN-20 pipe				
		(i) (3/4") 25 mm	Per Rft	715		
		(ii) (1") 32 mm	Per Rft	2000		
		(iii) (1-1/4") 40 mm	Per Rft	1000		
		(iv) (1.5") 50 mm	Per Rft	1000		
9	Ch 23 item 46/P-158	Providing and fixing CP heavy duty brass Ball valve with CP handle of specified diameter made of Faisal/Sonex / Master best quality or equivalent complete in all respect as approved and directed by the Engineer Incharge. i) 1" dia				
			Each	16		
		ii) 1-1/4" dia	Each	12		
		ii) 1-1/2" dia	Each	5		
		iii) 2" dia	Each	3		
10	Ch 19 item 47/P-130	Providing, fixing, testing and commissioning of μ- PVC (Unplasticized polyvinyl Chloride) Nikasi/ waste pipe make of dadex /Popular/Beta/BBJ plain /socket ended conforming to code EN-1401 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.				
	a)	Type (SDR 41/SN-4)				
		i) 3" (90 mm)	Per Rft	500		
		ii) 4"(110 mm)	Per Rft	1500		
		iii) 6" (160 mm)	Per Rft			
11	Ch 19 item 50 P-131	Providing, laying, testing and commissioning underground Yellow Polyethelene flexible gas pipe Tubing of required IPS(Iron Pipe Size) in the trenches, made of (Dadex/ Popular / Beta/ BBJ) for Gas supply i/c the cost of solvent and specials complete as approved and directed by the Engineer Incharge. SDR-11				
		(i) 1-1/4"	Per Rft	620		
		(ii) 1"	Per Rft			

ltem No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
		Sewerage System				
12		Providing, fixing, testing and commissioning of μ- PVC (Unplasticized polyvinyl Chloride) Nikasi/ waste pipe Fittings make of dadex /Popular/Beta/BBJ conforming to code EN-1401 ncluding the cost of Solvents complete in all respect as approved and directed by the Engineer Incharge.				
		(a) P-Trap				
		(i) 4" dia	Each	175		
		(c) Vent Cowel				
		(i) 3" dia	Each	20		
12		Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete.ii) coloured		32		
		Total "A"(Schedule	items) (C/o to Sum	mary of Cost:	

Construction of Academic Block for Physics Department at Baghdad-ul-Jadeed Campus

ENGINEER'S ESTIMATE EXTERNAL PUBLIC HEALTH WORK

Work No.01

ltem No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
MRS.	1st BI-ANNL	l JAL-2023 (1st Jan-2023 to 30th Jun -2023) DISTRIC	T BAHAW		. ,	
-	dule Items (A	• •		-		
		water Supply System (For Pipe Line)				
1	Ch.3 Item 44/P-33	Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft. (1.5 m) depth 8.1 after laying of pipe line, which is from ground level, including trimming, dressing sides, payable separately. leveling the beds of trenches to				
		correct grade and cutting pits for joints, etc. complete in all respects.	1000 Cft	8500		
		Sewerage System (For Pipe Line)				
2	Ch 3 item 42(i)/P-32	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	10250		
3	Ch 7 item 30/P-57	Supplying and filling sand under floor; or plugging in wells	100 Cft	5500		
4	Ch 23 item 47/P-159	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex /Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned)				
	b)	PN-20 pipe				
	-1	(2") 63 mm	Per Rft	1000		1
5	Ch 23 item 46/P-159	Providing and fixing CP heavy duty brass Ball valve with CP handle of specified diameter made of Faisal/Sonex / Master best quality or equivalent complete in all respect as approved and directed by the Engineer Incharge.				
		ii) 2-1/2" dia	Each	1		
6	Ch 21 item 3/P-136	Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:11/2:3 conforming to ASTM Specification C-76-20, Class II. Wall B, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring,cutting pipes where necessary, testing, etc., complete				
		i) 310 mm (12") i/d	Per Rft	900	1	l
		Total "A"(Schedul			mary of Cost:	

Project Director/Coordinator

						Work No.01
ltem No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
MRS,	1st BI-ANN	NUAL-2023 (1st Jan-2023 to 30th Jun -2023) DISTRICT BAHAW	/ALPUR			
1	24/3	Electrical Work Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries,and repairing surface, etc., complete with all specials. i) 3/4" i/d (20 mm) ii) 1" i/d (25 mm) iii) 1.50" i/d (40 mm) iv) 2" i/d (50 mm)	Per M Per M Per M Per M	13704.00 M 6669.00 M 1800.00 M 2000.00 M		
2		Supply and erection of PVC pipe for recessed wiring main and submain) purpose, i/c bends, specials etc in floor, walls or trenches: 3" i/d (80 mm)	Per M	2500.00 M		
3		Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only). 250/440 volts, PVC insulated: i) 3/0.74 mm (3/0.029") ii) 7/0.74 mm (7/0.029") iii) 7/0.91 mm (7/0.036") iv) 7/1.12 mm (7/0.044") v) 7/1.63 mm (7/0.064") vi) 19/1.32 mm (19/0.052") vii) 19/1.63 mm (19/0.064")	Per M Per M Per M Per M Per M Per M	41112.00 M 10864.00 M 16816.00 M 480.00 M 400.00 M 4500.00 M		
4		Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):-PVC insulated, PVC sheathed 4 core, 600/1000 volt non armoured cable: i) 7/1.63 mm (7/0.064") ii) 19/1.32 mm (19/0.052")	Per M Per M	500.00 M 500.00 M		
5	24/30	Supply and erection of ceiling rose, bakelite.	Each	2320.00 No		
6		 P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge a) One way Gange Switch Small i) 02 Gange ii) 03 Gange iii) Three pin Light Plug 10/13 Amp 	Each Each Each	20.00 No 20.00 No 700 00 No		
		iii) Three pin Light Plug 10/13 Amp iv) Fan Dimmer	Each Each	700.00 No 200.00 No		
		v) Three Pin Power Plug 15-32 Amp Large	Each	320.00 No		
		i) 04 Gange	Each	142.00 No		
		ii) 05 Gange iii) 06 Gange	Each Each	50.00 No 220.00 No		

							Work No.01
ltem No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty		Rate (Rs.)	Amount (Rs.)
7	24/102	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. a) Plastic body					
		i) 12" dia	Each	100.00	No		
8	24/86	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary w wire complete in all respect as approved and directed by the Engineer Incharge a) Single Pole					
		6-40 Amp (6 KA)	Each	1100.00	No		
9	24/87	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge a) Tripple Pole					
		i) 15-100 Amp(18 KA) ii) 125-250 Amp(18 KA) iii) 300-630 Amp(36 KA)	Each Each Each	60.00 60.00 4.00	No No No		
10	24/88 a-x	Supplying,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/ABB SWITZERL(with adjustable Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge Tripple Pole With Adjustable Thermal-Magnetic Trip /Electronic Trip (60-100%) 630-1600 Amp(50 KA)	Each	2.00	No		
11	24/94	 Providing and fixing DB/Panel accessories of required rating and size i/c copper screws of approved brand Complete in all respect as approved and directed by the Engineer Incharge i) Selector Switch ii) Current Transformer Coil (Make: Metelx/Fico) iii) Digital Voltmeter (0-600 Volt) iv) Digital Ammeter (0-9999 Amp) v) LED Phase Indicator vi) Exhaust Fan with Louvers (Make: Imported/Plastim) 	Each Each Each Each Each Each	8.00 6.00 4.00 4.00 12.00 4.00	No No No No No		
12	24/90	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately)					

					T		Work No.01
ltem No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty		Rate (Rs.)	Amount (Rs.)
		i) 6" Deep 75~100A	Per Cft	80.00	Cft		
		ii) 12" Deep 125~150A	Per Cft	25.00	Cft		
13	24/91	P/F floor mounted Electric Panel board of required depth and					
	i-b	size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor					
		Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock,					
		Indication lights, thimbles, Copper Comb, Wiring, Netural &					
		Earth Bar, glands, Current Transformers of specified capacity					
		,Door Earthing, Brass glands,bus bars,controles complete in					
		all respects as approved and directed by the Engineer					
		Incharge (Breakers will be Paid Separately).					
		LT Switchboards 3.00 Ft deep					
		1600~2000A	Per Cft	386.00	Cft		
14	24/104	P/F PVC concealed Switch kit Box i/c the cost of screws		000.00	0.0		
		complete as approved and directed by the Engineer Incharge					
		i) Small	Each	1420.00			
		ii) Large	Each	675.00	No		
						Total	
		Electrical Work (Non-Schedule)		_		_	
1	N.S	Supply & installation of LED 24W Down Light (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)	Each	985.00	No		
			Luch	000.00	110		
2	N.S	Supply & installation of LED 600 x 600mm Ceilling Panel Light					
		36W (220V~, CW or WW) i/c any accessories required at					
		site. Complete in all respect as directed and approved by the					
		Engineer Incharge (Philips RC048B or Equivalent)	Each	1000.00	No		
3	N.S	Supply & installation of LED search light 100W (220V~, CW					
Ŭ	N.0	or WW) with fitting arrangement for installation on walls,					
		parapet, pole or etc. i/c any accessories required at site.					
		Complete in all respect as directed and approved by the					
		Engineer Incharge (Philips BVP 151 or Equivalent)	Each	30.00	No		
4	N.S	Providing & Fixing of LED Wall Light 15 Watt 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. (WL008C OVAL Philips)	Each	80.00	No		
		approved by the Engineer menalge. (WEDUDE OVAL FIIIIPS)	Lacii	00.00	UNI		
5	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)	Each	70.00	No		
6	N.S	Supply & installation of PVC Fan Box with iron bar i/c any					
Ť		accessories required at site. Complete in all respect as					
		directed and approved by the Engineer Incharge. (GM, Bita or	Each	250.00	No		
		equivalent)					

							Work No.01
ltem No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty		Rate (Rs.)	Amount (Rs.)
7	N.S	Supply & installation of Ceiling Fans, 56" sweep copper winding i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Royl Fan/Deluxe, Indus/Supreme, Pak Fan/Deluxe or equivalent)	Each	250.00	No		
8	N.S	Supply & installation of 2' x 2' False Ceiling Fan 18" 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)	Each	150.00	No		
9	N.S	Supply & installation of Wall Bracket Fan 24" (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)	Each	14.00	No		
10	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, 11/4" i/d GI pipe 5' long, GI tee & plug for watering also includs 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.	Each	8.00	No		
			Luch	0.00		Total	
1	N.S	FIRE ALARM SYSTEM FIRE ALARM CABLE Supply, Installation and commissioning of wiring for FACP Power from respective DB to Fire Alarm FACP with 3C, 2.5 Sq.mm with drain wire, Fire Resistant Shielded Cable (Fire Rating for 2 hours) in prelaid conduit from preliad Conduit. Make Delpro (UK), B Belden as approved by consultants, Complete in all respect	Per Rft	150.00	Rft		
2	N.S	Supply, Installation and commissioning of wiring for FACP to Fire Alarm System as per drawing wired with 2C, 1.5 Sq.mm with drain wire, Fire Resistant Shielded Cable (Fire Rating for 1 hours) in prelaid conduit from fire Alarm Control Panel to all Smoke Detector/ Heat Detector / Sounder & Maunal Devices, Devices upto 180 units in one Loop, including all installation accessories.Make Delpro (UK) / Belden/ Covican (Italy) or approved equilvent approved by consultants, Complete in all	Per Rft	7580.00	Rft		
3	N.S	Supply, installation and connecting of non-addressable manual call stations press glass type with test dey, suitable for surface or flush mounting Model DL-MCP-1010 make Delpro (UK), or Honeywell (Esser) inclulding cost of all other accessories as required All equipped as per specifications, complete in all respects.	Each	20.00	No		

							Work No.01
ltem No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty		Rate (Rs.)	Amount (Rs.)
4	N.S	Supply, installation and connections of Non- Addressable Type Indoor Loop Powered electronic Sounder/ Buzzer Model DL-BZ-1121 and minimum sound output 100dB at 1 meter with frequencies for variety of sounds as required. make Delpro (UK) or Honeywell (Esser) inclulding cost of all other accessories as required. All equipped as per specifications, complete in all respects.	Each	20.00	No		
5	N.S	Supply, installation and connections of Supply, installation and connections of Non- Addressable Optical Smoke Detectors Model DL-SM-1221 incorporating an LED indication located in labyrinth with in the housing of the detector. Sensing unit. make Delpro (UK), or Honeywell (Esser) inclulding cost of all other accessories as required. All equipped as per specifications, complete in all respects.	Each	350.00	No		
6	N.S	Supply, installation and connections of Non-Addressable Heat Detectors Model DL-HD-1225 incorporating an LED indication located in labyrinth with in the housing of the detector. Sensing unit. make Delpro (UK), or Honeywell (Esser) inclulding cost of all other accessories as required. All equipped as per specifications, complete in all respects.	Each	8.00	No		
7	N.S	Supply, installation and connecting of non-addressable fire alarm of following mentioned channel / zone. Separate bell alarming in each zone indication of point 48 to 72 hours power backup. Short/open circuit indications LED display / power fault, zone isolated test make Model DL-FAP-2414 or Honeywell (Esser) including cost of all other accessories as required. All equipped as per specifications, complete in all respects. as per NFPA-72/EN-54 12 Zone	Each	1.00	No		
8	N.S	Supply, installation, testing and factory fabricated of PVC / MS junction box 16 SWG duly painted with antirust paint and further two coats of enamelled paint of approved colour including cost of earth terminal making holes of all sides to pull Fire Alarm cables complete. 4"x7". manufactured by PEL, Technobuild, Ibbad Switchgear or Eqv.	Each	1.00	No		
						Total	
1	3/1-b	External Electrical Work Earthwork excavation underessed lead upto a single throw of Kassi, phaorah or shovel:- In ordinary soil.	%o Cft	9752.00	Cft		
2	24/12	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 600/1000 volts grade cable, in prelaid G.I. pipe/M.S. conduits/PVC pipe/G.I. wire/trenches etc (rate for cable only):- 240 mm sq (37/0.114)	Per M	800.00	М		
3	24/158	Supply, installation, testing, commissioning and termination of 8.7/15kV,AL/XLPE/SWA/PVC three Core (MV cables) along with cable glands, in already installed cable trench/cable ladder/cable tray/duct bank. (Armoured)					

Work No.01 Item **REF. Nos** Rate Unit Qty Amount (Rs.) **Description of Items** No. CH/ITEM (Rs.) 70mm sq Per M 400.00 Μ 95 mm sq Per M 250.00 Μ 4 24/105 Supply, insatllation, commissioning and testing of oil cooled type, Step down Power Transformer of specified rating, 11/0.415 kV, i/c the cost of lifting hooks, thermometers, LT & HT bushing 5-steps, tap changer, imported double float buchholz relay, 2 earthing terminals, roller wheels, connecting terminals for cables M.S box on transformer in order to cover complete L.T side, all necessary materials required for connections on H.T & L.T side, rated voltage 11000/415/240 V impedance 6.25% or as specified by WAPDA/IEC system earth: Delta / Star, neutral solidly earthed, i/c Wapda testing charges, complete in all respects made of PEL, Siemens, as approved and directed by the Engineer Incharge 400 KVA Each 2.00 No Total External Electrical (Non-Schedule) N.S Supply & installation of 11-KV Dropout Fuse assemblies Set i/c any 1 accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge Each 2.00 No 2 N.S Supply & Installation of 11KV Pin Insulator i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. Each 6.00 No 3 N.S Supply & installation of Creosoted Wooden cross arm on steel structure pole with galvanized steel bracing & bolts i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. Each 4.00 No 4 N.S Supply and installation of 70mm² -120mm², Aluminum Alloy Parallel Groove Clamp complete with nut/bolts i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. 6.00 No Each Total

Reff.	Description	Unit	Quantity	Rate	Amount
S, 1st B	I-ANNUAL-2023 (1st Jan-2023 to 30th Jun -2023) DISTRICT BAHA	WALPUF	र		
	 including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. i) 3/4" i/d (20 mm) ii) 1" i/d (25 mm) iii) 1.50" i/d (40 mm) 	Per M Per M Per M Per M	3000.00 M 3000.00 M 1000.00 M 1000.00 M		
24/104	complete as approved and directed by the Engineer Incharge i) Small	Each Each			
24/106	 Supply, Installation and commissioning of wiring with 4-pair data Cable, 23 AWG UL/EN listed cable * Conforming to following standards: TIA/EIA 568 / ISO/IEC 11801, in prelaid conduit / cable tray from including all accessories, Manufacturer/OEM Authorization, Make: Schneider / i-connect UK/3M Corning USA/ D-Link/ Pollo Australian or equivalent complete in all respect as approved and directed by Engineer Incharge. a) UTP (Unshielded Twisted pair) (i) CAT-6 (Min.1G @ 250MHz or higher) (ii) CAT-6A (Min.1G/ 10G @ 500MHz or higher) 	Per M Per M	4000.00 M 4000.00 M		
24/131	Face Plates having fully populated I/O:	Each Each			
	S, 1st B 24/3 24/104 24/106	 S, 1st BI-ANNUAL-2023 (1st Jan-2023 to 30th Jun -2023) DISTRICT BAHA IT DATA CABELING SYSTEM 24/3 Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. i) 3/4" i/d (20 mm) ii) 1." i/d (25 mm) iii) 1.50" i/d (40 mm) iv) 2" i/d (50 mm) 24/104 P/F PVC concealed Switch kit Box i/c the cost of screws complete as approved and directed by the Engineer Incharge i) Small ii) Large 24/106 Supply, Installation and commissioning of wiring with 4-pair data Cable, 23 AWG UL/EN listed cable * Conforming to following standards: TIA/EIA 568 / ISO/IEC 11801, in prelaid conduit / cable tray from including all accessories, Manufacturer/OEM Authorization, Make: Schneider / i-connect UK/3M Corning USA/ D-Link/ Pollo Australian or equivalent complete in all respect as approved and directed by Engineer Incharge. a) UTP (Unshielded Twisted pair) CAT-6 (Min.1G @ 250MHz or higher) CAT-6A (Min.1G/ 10G @ 500MHz or higher) 24/131 Supply, Installation and commissioning of Simple type, Dual Shutter Face Plates having fully populated I/O: Option 1:RJ-11 with RJ45/8P8C I/Os supporting either Cat6 or Cat6a cables as required by project. i) Single I/O 	S, 1st BI-ANNUAL-2023 (1st Jan-2023 to 30th Jun -2023) DISTRICT BAHAWALPUF 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. Per M i) 3/4" i/d (20 mm) Per M ii) 1" i/d (25 mm) Per M iii) 1.50" i/d (40 mm) Per M iv) 2" i/d (50 mm) Per M 24/104 P/F PVC concealed Switch kit Box i/c the cost of screws complete as approved and directed by the Engineer Incharge Per M 24/105 Supply, Installation and commissioning of wiring with 4-pair data Cable, 23 AWG UL/EN listed cable * Conforming to following standards: TIA/EIA 568 / ISO/IEC 11801, in prelaid conduit / cable tray from including all accessories, Manufacturer/OEM Authorization, Make: Schneider / i-connect UK/3M Corning USA/ D-Link/ Pollo Australian or equivalent complete in all respect as approved and directed by Engineer Incharge. Per M 24/131 Supply, Installation and commissioning of Simple type, Dual Shutter Face Plates having fully populated I/O: Option 1:RJ-11 with RJ45/8P8C I/Os supporting either Cat6 or Cat6a cables as required by project. Per M 24/131 Supply, Installation and commissioning of Simple type, Dual Shutter Face Plates having fully populated I/O: Option 1:RJ-11 with RJ45/8P8C I/Os supporting either Cat6 or Cat6a cables as required by project. Per M	S, 1st BI-ANNUAL-2023 (1st Jan-2023 to 30th Jun -2023) DISTRICT BAHAWALPUR 24/3 IT DATA CABELING SYSTEM 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. Per M 3/4" i/d (20 mm) 94" i/d (20 mm) Per M ii) 1.50" i/d (40 mm) Per M 3000.00 M iii) 1.50" i/d (40 mm) Per M 3000.00 M iv) 2" i/d (50 mm) Per M 1000.00 M 24/104 P/F PVC concealed Switch kit Box i/c the cost of screws complete as approved and directed by the Engineer Incharge Each 400.00 No 24/106 Supply, Installation and commissioning of wiring with 4-pair data Cable, 23 AWG UL/EN listed cable * Conforming to following standards: TIA/EIA 568 / ISO/IEC 11801, in prelaid conduit / cable tray from including all accessories, Manufacturer/OEM Authorization, Make: Schneider / i-connect UK/3M Corning USA/ D-Link/ Pollo Australian or equivalent complete in all respect as approved and directed by Engineer Incharge. Per M 4000.00 M 24/131 Supply, Installation and commissioning of Simple type, Dual Shutter Face Plates having fully populated I/O: Option 1:RJ-11 with RJ45/BP8C I/Os supporting either Cat6 or Cat6a cables as required by project. Per M 4000.00 M 24/131 Supply, Installation and commissioning of Simple type, Dual Shutter Face Plates having fully populated I/O: Option 1:RJ-11 with RJ45/BP8C I/Os support	S, 1st BI-ANNUAL-2023 (1st Jan-2023 to 30th Jun -2023) DISTRICT BAHAWALPUR 24/3 IT DATA CABELING SYSTEM Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hocks, cutting iharries, and repairing surface, etc., complete with all specials. Per M 3000.00 M i) 3/4" i/d (20 mm) ii) 1.50" i/d (40 mm) Per M 3000.00 M ii) 1.50" i/d (40 mm) Per M 3000.00 M iv) 2" i/d (50 mm) Per M 1000.00 M 24/104 P/F PVC concealed Switch kit Box i/c the cost of screws complete as approved and directed by the Engineer Incharge Each 400.00 No ii) Large III III Staffact Sta

Project Director/Coordinator

The Islamia University of Bahawalpur

Construction of Academic Block for Mechnical Engineering Department at

Baghdad-ul-Jadeed Campus

Estimate Based on MRS 1st Bi-Annual, 2023

ABSTRACT OF COST

A)	Schedule Items	
i)	Civil Work	Rs.
ii)	Electrical Work	Rs.
iii)	Plumbing Work	Rs.
iv)	IT Data Cabeling System	Rs.
	Total OF "A"	Rs.
B)	Non-Schedule Items	
i)	Civil Work	Rs.
ii)	Electrical Work	Rs.
	Total OF "B"	<u></u>
C)	External Work	
i)	External Plumbing Work	Rs.
ii)	External Civil Work	Rs.
iii)	External Electrical Work	Rs.
vi)	External Electrical Work (N.S)	Rs.
	Total C	Rs.
	Total (A+B+C)	Rs.
D)	Add 03% Contingencies	Rs.
	Total (A+B+C+D)	Rs.
	Add 05% PST	Rs.
	Grand Total	Rs.

The Islamia University of Bahawalpur

Construction of Academic Block for Mechnical Engineering Department at Baghdad-ul-Jadeed Campus

		Civil Work				M	RS Jan-Jun, 2023
No	Reff	Description	Quantit	y	Rate	Unit	Amount
1	3/21	Excavation in foundation of building,bridges and other structures,					
		including dagbelling, dressing, refilling around structure with					
		excavated earth, watering and rammiing lead 'upto one chain (30					
		m) and lift upto 5 ft. (1.5 m). By Excavator (ii) In ordinary Soil	250000.00	Cft		%o Cft	
2	3/18	Dressing and levelling of earhtwork to designed section, etc.	22000.00	Cft		%o Cft	
	0/10	Ordinary or hard soil	22000.00			700 010	
3	26/43	Spraying anti termite proofing by using liquid FMC Biflex					
		2.5%EC Mixing Ratio 1:50=137-Sft or using liquid MIRAGE Ali					
		Akbar /RANGERS Auriga 5% SC Mixing Ability-HEXTAR					
		Ratio 1:110=205-Sft or any other equivalent approved liquid					
		applying with shower and certificate will be provided by the					
		contractor for 10-years complete in all respect .as approved by	30000.00	Sft		Per Sft	
		the Engineer Incharge	30000.00			Peroli	
4	6/3	Cement concrete brick or stone ballast $1\frac{1}{2}$ " to 2" (40 mm to					
		50 mm) gauge, in foundation and plinth:- Ratio 1:4:8	6000.00	Cft		% Cft	
5	6/12	Fabrication of mild steel reinforcement for cement concrete,					
		including cutting, bending, laying in position, making joints					
		and fastenings, including cost of binding wire and labour					
		charges for binding of steel reinforcement (also includes					
		removal of rust from bars)	214020.00	1/2		0/ 1/ ~	
		i) Deformed bars (Grade-60)	214029.00	Kg		% Kg	
6	6/6	Reinforced cement concrete in slab of rafts / strip foundation,					
		base slab of column and retaining walls; etc and other					
		structural members other than those mentioned in 5(a) (i)					
		above not requiring form work (i.e. horizental shuttering)					
		complete in all respects:- using harrow sand					
		i) Type B (nominal mix 1: 11/2: 3)	13250.00	Cft		Per Cft	
7	6/6	Reinforced cement concrete in roof slab, beams,columns					
'	0/0 a-i	lintels, girders and other structural members laid in situ or					
	a-1	precast laid in position, or prestressed members cast in situ					
		complete in all respects:using harrow sand					
		i) Type B (nominal mix 1: 1½: 3)	30205.00	Cft		Per Cft	
		ii) Type B (nominal mix 1: 1½: 3) (First Floor)	24250.00	Cft		Per Cft	
	• · · -						
8	3/15	Filling, watering & ramming earth under floors:-	0040445			~ ~~	
i)		with surplus earth from foundation, etc.	26494.15	Cft		%o Cft	
ii)	3/17a	with new earth excavated from outside,lead upto 1 mile	145000.00	Cft		%o Cft	
	- /-						
9	7/5	Pacca brick work in ground floor:- cement, sand mortar:-	24500.00			0/ 04	
		i) Ratio 1:5 ii) Ratio 1:3 (For 4.5" Th Walls only)	24500.00 950.00	Cft Cft		% Cft % Cft	
		ii) Ratio 1:3 (For 4.5" Th.Walls only)iii) First Floor Ratio 1:5	21550.00	Cft		% Cit % Cft	
		iv) First Floor Ratio 1:3 (For 4.5" Th.Walls only)	950.00	Cft		% Cft	
		v) Second Floor Ratio 1:5 cement sand mortor	1000.00	Cft		% Cft	
10	7/4	Pacca brick work in foundation and plinth in:- cement sand		Cft		% Cft	
		mortor Ratio 1:6					
10	7/4	·	2950.00	Cft		% Cft	

No	Reff	Description	Quantit	у	Rate	Unit	Amount
11	6/36+bi	Providing and laying damp proof course of cement concrete					
		1:2: 4 (using cement, sand and shingle), including bitumen					
		coating:- with 2 coats of bitumen: 1½" thick (40 mm)	300.00	Sft		% Sft	
12	11/10-b	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof					
		slabs only,					
		i) upto 20' height. 1:3	59850.00	Sft		% Sft	
13	11/9	Cement plaster 1:4 upto 20' (6.00 mm) height:-					
		i) ½" (13 mm) thick	80720.00	Sft		% Sft	
		ii) Above 20' -30' height	25887.00	Sft		% Sft	
		iii) 3/4" (20 mm) thick upto 20' height	60268.00	Sft		% Sft	
		iv) Above 20' -30' height	20433.00	Sft		% Sft	
		v) Above 30' - 40' height	2500.00	Sft		% Sft	
14	7/30	Supplying and filling sand under floor; or	12405.00	Cft		% Cft	
'-	1100	plugging in wells.	12405.00	On		70 011	
15	6/2	Dry rammed brick or stone ballast, $1\frac{1}{2}$ " to 2"(40 mm to 50	18039.00	Cft		% Cft	
		mm) gauge.					
	0/5						
16	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/Sg.mbitumen coating sand					
		blinded. (add 6% on composite rate) first floor	29500.00	Sft		% Sft	
17	9/45	Polystyrene XPS in Rigid Insulation/ Foam Board on roof or					
		walls, Density 32-38Kg/M, compressive strength 250-400					
		kpa, R-value 5 per inch thickness and water obsorbtion (1%					
		by volume, cell structure closed cutting and placeing in	29500.00	Sft		% Sft	
		Position complete in all respect 1.5" Thick	29300.00	Sit		70 SIL	
18	26/37	Supplying and laying polythene sheet over D.P.C. under					
		'floors and on roofs, etc. 500 gauge (.005" thick)	29500.00	Sft		Per Sft	
19	6/16	Providing and fixing ornamental cement jali 2" (50 mm) thick	1950.00	Sft		Per Sft	
		(1: 2: 4), without steel.					
20	10/40	Providing and fixing marble strip of any shade for dividing	6763.00	Rft		Per Rft	
20	10/40	the mosaic flooring into panels. 1.5x3/8	0705.00			1 GI I MI	
21	10/15	Providing and laying topping of cement concrete					
		1:2:4, including surface finishing and dividing in panels:-	5585.00	Sft		% Sft	
		2"(50 mm) thick					
22	25/56	Providing and fixing 2 mm thick Double Glazed Aluminium					
	20,00	Windows of anodize / powder coated partly fixed and party					
		sliding using deluxe section of 100mm x 40mm x2 mm using					
		frame (70501) at bottom, (70502) at Top & Side made of Pakistan					
		Cables/Alcop having Leaf Frame size 31mm x 60mm x2 mm					
		(70506) at Top & Bottom, 35mm x 60mm x2 mm (70505) at					
		center and 35mm x 60mm x2 mm(70503) at sides , fixing 5 mm thick imported tinted double glass and air tight using double tape,					
		chemical strips, Silicon using approved latches, wheels for					
		channel, stopper, brush channel angle joint and hardware					
		etc.(cost of Fly Proofing). Complete in all respect as approved					
		and directed by the Engineer Incharge.	4550.00	Sft		Per Sft	
23	25/53	Providing and fixing Aluminum Fly screen comprising of Fiber					
		/ Aluminum wire guaze (Malasian) fixed in aluminum					

No	Reff	Description	Quantity	/	Rate	Unit	Amount
		frame of approved manufacturer brownze Colour / powder coated of size 1- 1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	2275.00	Sft		Per Sft	
24 25	6/35 11/23	Providing and fixing theremopore (foamed polythene) sheet in horizontal and vertical expansion joints: 1½" thick thermopore sheet Distempering:-a) new surface:- 3 Coats (For Ceiling)	3752.14 60000.00	Sft Sft		Per Sft %Sft	
26	13/46	Providing and applying Wall Putty of 2mm thickness over plastered surface (new surface) to prepare the surface even and smooth complete in all respects.(On Interior Walls/Members Only)	153653.00	Sft		%Sft	
27	13/31	Preparing surface and painting with emulsion paint:- 3 coats	153653.00	Sft		% Sft	
28	6/5	Cement concrete plain including placing, compacting finishing and curing complete (including screening and washing of stone aggregate): i) Ratio 1:2:4	9200.00	Cft		% Cft	
29	12/61	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by the Engineer Incharge. brass sliding bolt, 10" (250 mm) long	80.00	No		Each	
30	6/27	Providing and fixing 6 in(150 mm). wide curved sheet of required shape fixed on face of the construction joint with G.I.screw,1.5 in (40 mm) long to cover construction joints vertically:- G.I. sheet, 18 SWG	290.00	Rft		Per Rft	
31	12/7 b-ii	Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bolt,lock and chowkats (frame), etc.) as approved and directed by the Engineer Incharge.b) Oak/Ash wood Door (iii) 1-1/2" thick (40 mm)	4250.00	Sft		Per Sft	
32	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. (Lead 366 kms From Sargodaha (or approved guarry) to site of work)	54000.00	Cft		% Cft	
33	12/7a	Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bolt,lock and chowkats (frame), etc.) as approved and directed by the Engineer Incharge- Deodar Wood 2" thick (50 mm) (for Main Door)	120.00	Sft		Per Sft	
34	25/36	Providing and fixing collapsible gate made of $2"x2"x"'4"$ tee iron at top and bottom, channel iron 'verticals $3/4"x'4"x'4"x'4"x'1/8"$ (20x6x6x3 mm) at 3" (75 mm) to 5" (125 mm) centre to centre (approximate) and flat iron crosses $3"x3/16"$ (75x5 mm), and best quality rollers at bottom of 3" (75 mm) diameter including holdfasts, handles 12" (300 mm) long of $3/4"x'4"x'4"x'1/8"$					

No	Reff	Description	Quantity	y	Rate	Unit	Amount
		channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled, complete in working order.	75.00	Sft		Per Sft	
35	10/42	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed tiles (ii) 600mmx 600 mm	50850.00	Sft		Per Sft	
36	10/43	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge.					
		(ii) 600mmx 600 mm	8500.00	Sft		Per Sft	
37	10/47	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities / Shelves / Treads/Window Cills, having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortor i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge.					
38	10/48	China Verona Extra for Bevelling charges of marble edge in approved	3500.00	Sft		Per Sft	
		design complete in all respects i/c the cost of Carborandam disc as approved and directed by the Engineer Incharge.	1700.00	Rft		Per Rft	
39	10/49	Extra cost for making hole in Marble slab for fixtures, Sink,burners, basin Vanities i/c cost of bevelling of internal edge as approved and directed by the Engineer Incharge.	50.00	No		Each	
40	10/50	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge (for podium, Stair steps, Risers) (i) 3/4" thick					
41	10/24	Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge.	3500.00	Sft		Per Sft	
		12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	1958.00	Sft		Per Sft	
42	10/25	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	6600.00	Sft		Per Sft	
43	10/18	Extra labour for each storey above ground, for mosaic,conglomerate, tiles, stone and wooden floor.	30,500.00	Sft		% Sft	

No	Reff	Description	Quantity	/	Rate	Unit	Amount
44	25/59	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge.					
		(i) 3/8" Squar Bars	4550.00	Sft		Per Sft	
45	13/33	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	23900.00	Sft		% Sft	
46	7/38	Providing and laying Fair Face Gutka cladding laid in (1:2) cement / red posso mortar having 1/4" thick groove finish i/c cost of 8 SWG wire in shape of 8 placed horizontally and vertically at 36" and 18" c/c respectively i/c cutting charges as per approved drawing , complete in all respect as approved and directed by the Engineer Incharge. ii. 2-1/4" x 3" x 9"	32500.00	Sft		P. Sft	
47	25/64	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.	300.00	Sft		Per Sft	
48	9/48	Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size $2'x2'/2'x3'/3'x3'$ of specified design and thickness i/c cost of fixtures i.e galvanized angle 1" x 1" at wall sides, galvanized tee $1'/4$ " x 1"and $1'/2$ " x 1" both at 4' c/c (made of Taiwan CKM or equivalent), hanging with G.I/Copper wire 16 SWG, G.I hook, Rawal Plug etc: complete in all respects as approved and directed by the Engineer Incharge.					
49	12/17	 9 mm thick Providing and fixing 2" wide MS Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock hole covered with MS Box,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge. i) 15 " wide 	14500.00	Sft		Per Sft	
		ii) 10.50 " wide iii) 5.5 " wide	4250.00 420.00	Sft Sft		Per Sft Per Sft	
50	12/67	Providing and fixing auotomatic hydraulic operated door closer imported heavy duty complete in all respect as approved and directed by the Engineer leaberge	60.00	N -		5 6-4	
51		directed by the Engineer Incharge. P/F Iron door comprising of specified leaves made of 1-1/4" x1-1/4" x3/16" MS angle iron for leaf frame, diagonal and horizontal braces duly welded with MS. sheet 18-SWG i/c the cost of sliding bolt, tower bolt and painting 3-coats but excluding the cost of Chowkat complete in all respect as approved and directed	60.00	No		Each	
52	18/23	by the Engineer incharge. Double Leaf Providing and fixing M.S Grating comprising of Angle Iron frame size 1.50" x 1.50" x 3/16" and 1/2" square bars duly welded	120.00	Sft		Per Sft	

No	Reff	Description	Quantity	y	Rate	Unit	Amount
		@ 4" c/c, including painting charges etc complete in all respect.	60.00	Sft		Per Sft	
	10/11						
53	13/44.	Preparing surface and Lacquar polish to reveal wooden grains by application of multiple coats of wood sealer , sand					
		papering with different no of sandpapers and Lacquar to make					
		glossy surface finish i/c the cost of cotton, thinner, wood sealer					
		complete in all respects as approved and directed by the	7150.00	<u> </u>		Der Off	
		Engineer Incharge. Matt Finish	7150.00	Sft		Per Sft Total	
		Civil Work (Non-Schedule)					
1	N.S	P/F Handle Lock (Hiluke/DAF/Khas or equivalent) complete in all					
		respect as approved by Engineer Incharge.	60.00	No		Each	
			00100			2	
		Providing and fixing UPVC Doors 38mm thickness i/c deluex					
		matching color UPVC Frame (matt or glossy finish) having color (whiteGray-Marble Gray-Oak Wood- Dard Oak Wood, Coffee Wood					
2	N.S	Honey Pine Wood-Mahagony-Marry Gold-Chocolate Brown-Honey					
		Dew) i/c all accessories complete in all respect as approval by the					
		Engineer Incharge.	765.00	Sft		P/Sft	
3	N.S	Providing & Fixing Looking Glass 5-mm thick best quality,complete					
Ĭ		in all respect as per specifications and drawings and as approved					
		by the Engineer Incharge.	160.21	Sft		P/Sft	
4	N.S	Providing and fixing Steel Floor Jali complete in all respect as per	100.21			1,011	
		specification and as approved by the Engineering Incharge.	60.00	No		Each	
			00.00			Laon	
5	N.S	Providing & Fixing Cabinet consisting of lamination board 3/4"					
		thick for leaves, kail wood frame 2.50" x 1", Gola for 'leaf 3/4" x					
		3/4" including sprit polish for gola complete in all respects as per					
		design, drawing & pattern as approved by the engineer incharge.					
		(Down portion)	1200.00	Sft		P/Sft	
6	N.S	'Providing & Fixing Cabinet upper portion consisting of lamination					
		board 3/4" thick box and leaves, Partal wood frame 3" x 1", Gola					
		for 'leaf 3/4" x 3/4" including siprit polish for gola complete in all					
		respects as per design, drawing & pattern as approved by the					
		Engineer Incharge. (Upper Portion)	225.00	Sft		P/Sft	
						Total	
		IT DATA CABELING SYSTEM					
1	24/3	Supply and erection of PVC pipe for wiring recessed in walls,					
		including inspection boxes, pull boxes, hooks, cutting					
		jharries,and repairing surface, etc., complete with all specials. i) 3/4" i/d (20 mm)	1500.00	м		Per M	
		ii) 1" i/d (25 mm)	1500.00	M		Per M	
		iii) 1.50" i/d (40 mm)	500.00	м		Per M	
		iv) 2" i/d (50 mm)	500.00	м		Per M	
2	24/104	P/F PVC concealed Switch kit Box i/c the cost of screws					
		complete as approved and directed by the Engineer Incharge					
		i) Small	300.00	No		Each	
3	21/100	ii) Large Supply, Installation and commissioning of wiring with 4-pair	400.00	No		Each	
³	24/100	data Cable, 23 AWG UL/EN listed cable * Conforming to					
		following standards: TIA/EIA 568 / ISO/IEC 11801, in prelaid					
		conduit / cable tray from including all accessories,					

No	Reff	Description	Quantit	y	Rate	Unit	Amount
		Manufacturer/OEM Authorization, Make: Schneider / i-connect					
		UK/3M Corning USA/ D-Link/ Pollo Australian or equivalent					
		complete in all respect as approved and directed by					
		Engineer Incharge.					
		a) UTP (Unshielded Twisted pair)					
		(i) CAT-6 (Min.1G @ 250MHz or higher)	2000.00	м		Per M	
		(ii) CAT-6A (Min.1G/ 10G @ 500MHz or higher)	2000.00	м		Per M	
4	24/131	Supply, Installation and commissioning of Simple type, Dual Shutter					
		Face Plates having fully populated I/O:					
		Option 1:RJ-11 with RJ45/8P8C I/Os supporting either Cat6 or					
		Cat6a cables as required by project Option 2: Two RJ45/8P8C I/Os supporting either Cat6 or Cat6a					
		cables as required by project.					
		(i) Single I/O	300.00	No		Each	
		(ii) Double I/O	400.00	No		Each	
						Total	
		Electrical Work		+		10101	
1	24/3	Supply and erection of PVC pipe for wiring recessed in walls,					
'	24/5	including inspection boxes, pull boxes, hooks, cutting					
		including inspection boxes, pull boxes, nooks, culting inspection boxes, pull boxes, nooks, culting inspection boxes, pull boxes, nooks, culting					
			1250.00			Dor M	
		i) 3/4" i/d (20 mm)	4350.00	M		Per M Per M	
		ii) 1" i/d (25 mm)	5000.00	M			
		iii) 1.50" i/d (40 mm)	650.00	м		Per M	
		iv) 2" i/d (50 mm)	950.00	М		Per M	
2	24/6	Supply and erection of PVC pipe for recessed wiring main and					
-	ii	submain) purpose, i/c bends, specials etc in floor, walls or					
		trenches:					
		3" i/d (80 mm)	850.00	м		Per M	
3	24/10	Supply and erection of single core PVC insulated copper					
		conductor cables, in prelaid PVC pipe/M.S. conduit/G.I					
		pipe/wooden strip batten/wooden casing an capping/G.I.					
		wire/trenches (rate for cables only). 250/440 volts, PVC					
		insulated:					
		i) 3/0.74 mm (3/0.029")	18500.00	М		Per M	
		ii) 7/0.74 mm (7/0.029")	8250.00	м		Per M	
		iii) 7/0.91 mm (7/0.036")	5500.00	м		Per M	
		iv) 7/1.12 mm (7/0.044")	8250.00	м		Per M	
		v) 7/1.63 mm (7/0.064")	1200.00	м		Per M	
		vi) 19/1.32 mm (19/0.052")	4000.00	м		Per M	
		vii) 19/1.63 mm (19/0.064")	4500.00	м		Per M	
4	21/12	Supply and erection of copper conductor cables for service					
4	24/13	connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for					
		cable only):- PVC insulated, PVC sheathed 4 core, 660/1100					
		volt non armoured cable:-	450.00				
		i) 7/1.63 mm (7/0.064")	450.00	м		Per M	
	.	ii) 19/1.32 mm (19/0.052")	450.00	M		Per M	
5		Supply and erection of ceiling rose, bakelite.	1500.00	No		Each	
6	24/103	P/F PVC double layer Switch kit Faceplate with specified					
		switch holes i/c the cost of switches / sockets / dimmer made					
		of Hi-Life / Bush / Schenider, screws complete as approved					
		and directed by the Engineer Incharge					
		a) One way Gange Switch					

No	Reff	Description	Quanti	y	Rate	Unit	Amount
		Small					
		i) 02 Gange	10.00	No		Each	
		ii) 03 Gange	10.00	No		Each	
		iii) Three pin Light Plug 10/13 Amp	400.00	No		Each	
		iv) Fan Dimmer	120.00	No		Each	
		v) Three Pin Power Plug 15-32 Amp	180.00	No		Each	
		Large					
		i) 04 Gange	85.00	No		Each	
		ii) 05 Gange	50.00	No		Each	
		iii) 06 Gange	140.00	No		Each	
7	24/102	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. a) Plastic body i) 12" dia	50.00	No		Each	
8	24/95	Suplying,Installation,testing and commissioning of 415-Volt ,4 Pole (TP+N) compact Copper Busway (Bus Tie Duct B.T.D) of specified size/rating comprising of 10 mm thick sandwitch copper Bus bars,insulated with non- flammable/flame resistant resin applied at 130 OC by Automatic Electro- static application with Mayler Class-B, housed in Aluminium Housing i/c the cost of hangers, accessories,enclosures IP55, IEC 61439-1, complete in all respect,spaced to a minimum reducing reactance as approved & directed by the Engineer Incharge (i) 400 Amp (ii) 630 Amp (iii) 1250 Amp (iv) 1600 Amp	3.00 3.00 3.00 4.00	Rft Rft Rft		Per Rft Per Rft Per Rft Per Rft	
9		Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary w wire complete in all respect as approved and directed by the Engineer Incharge Single Pole 6-40 Amp (6 KA)	550.00	No		Each	
10	24/87	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge Tripple Pole i) 15-100 Amp(18 KA) ii) 125-250 Amp(18 KA) iii) 300-630 Amp(36 KA)	30.00 30.00 2.00	No No No		Each Each Each	

No	Reff	Description	Quanti	ty	Rate	Unit	Amount
11	24/88 a-x	Supplying,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI					
		JAPAN/ABB SWITZERL(with adjustable Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws,					
		necessary wire complete in all respect as approved and directed by the Engineer Incharge					
		Tripple Pole With Adjustable Thermal-Magnetic Trip					
		/Electronic Trip (60-100%) 630-1600 Amp(50 KA)	1.00	No		Each	
			1.00			Lach	
12	24/94	Providing and fixing DB/Panel accessories of required rating and size i/c copper screws of approved brand Complete in all					
		respect as approved and directed by the Engineer Incharge					
		i) Selector Switch	4.00	No		Each	
		ii) Current Transformer Coil (Make: Metelx/Fico)	3.00	No		Each	
		iii) Digital Voltmeter (0-600 Volt)	2.00	No		Each	
		iv) Digital Ammeter (0-9999 Amp)	2.00	No		Each	
		 v) LED Phase Indicator vi) Exhaust Fan with Louvers (Make: Imported/Plastim) 	6.00 2.00	No No		Each Each	
			2.00			Laci	
13	24/90	P/F wall mounted DB (Distribution Board) made with 16SWG					
		Sheet (Recessded/Surface mounted Type), Powder coated					
		Paint, i/c the cost of Lock, Indication lights, Thimble, Copper					
		Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter,Volt Selector Switch,Ammeter					
		selector switch, Current Transformers and Controles Complete					
		in all respect as approved and directed by the Engineer					
		Incharge (Breakers will be Paid Separately)					
		i) 6" Deep 75~100A	40.00	Cft		Per Cft	
		ii) 12" Deep 125~150A	10.00	Cft		Per Cft	
14	24/91	P/F floor mounted Electric Panel board of required depth and					
	i-b	size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor					
		Type),derusting, zinc Phosphated, finish with electro static					
		powder coating in approved colour i/c the cost of Lock,					
		Indication lights, thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity					
		,Door Earthing, Brass glands,bus bars,controles complete in					
		all respects as approved and directed by the Engineer					
		Incharge (Breakers will be Paid Separately).					
		LT Switchboards					
		3.00 Ft deep					
		1600~2000A	180.00	Cft		Per Cft	
15	24/104	P/F PVC concealed Switch kit Box i/c the cost of screws					
		complete as approved and directed by the Engineer Incharge					
		i) Small	720.00	No		Each	
⊢⊣		ii) Large	275.00	No		Each Total	
H		Electrical Work (Non-Schedule)		+			
1	N.S	Supply & installation of LED 24W Down Light (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)	375.00	No		Each	

No	Reff	Description	Quantity	Rate	Unit	Amount
2	N.S	Supply & installation of LED 600 x 600mm Ceilling Panel Light 36W (220V~, CW or WW) i/c any accessories required at site. Complete in all respect as directed and approved by the				
		Engineer Incharge (Philips RC048B or Equivalent)	500.00 No		Each	
3	N.S	Supply & installation of LED search light 100W (220V~, CW or WW) with fitting arrangement for installation on walls, parapet, pole or etc. i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips BVP 151 or Equivalent)	25.00 No		Each	
4	N.S	Providing & Fixing of LED Wall Light 15 Watt 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. (WL008C OVAL Philips)	70.00 No		Each	
5	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)	80.00 No		Each	
6	N.S	Supply & installation of PVC Fan Box with iron bar i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (GM, Bita or equivalent)	150.00 No		Each	
7	N.S	Supply & installation of Ceiling Fans, 56" sweep copper winding i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Royl Fan/Deluxe, Indus/Supreme, Pak Fan/Deluxe or equivalent)	150.00 No		Each	
8	N.S	Supply & installation of 2' x 2' False Ceiling Fan 18" 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)	80.00 No)	Each	
9	N.S	Supply & installation of Wall Bracket Fan 24" (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)	12.00 No	,	Each	
10	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, 11⁄4" i/d GI pipe 5' long, GI tee & plug for watering also includs 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.	8.00 No		Each Total	
					lotal	

No	Reff	Description	Quanti	y	Rate	Unit	Amount
		Plumbing Work					
1	19/23	Providing and fixing BATHROOM ACCESSORIES (7-piece set)					
		MASTER BRAND - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush					
		holder, toilet paper holder & looking glass i/c the cost of hardwares					
		etc complete in all respect as approved and directed by the					
		Engineer incharge.					
		i) Plastic soap dish	68.00	No		Each	
		ii) Plastic toilet paper holder iii) Plastic tower rail	30.00	No		Each	
		iii) Plastic tower rail	10.00 15.00	No No		Each Each	
		iv) Looking glass with plastic frame	13.00	No		Each	
		, 33 1	11.00			Eddin	
2	19/1	Providing and fitting glazed earthen ware water closet European					
		type, excluding seat and cover:-					
		coloured	17.00	No		Each	
3	19/2	Providing and fixing, double seat and cover only. Bakelite	17.00	No		Each	
	10/2	Treviang and many, double could no cover only. Datente	17.00			Each	
4	19/4	Providing and fitting glazed earthen ware water closet, squatter type					
		(Orisa pattern), combined with foot rest.					
		coloured	36.00	No		Each	
	19/7	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling,					
5		etc.					
		i) white, with pedestal	6.00	No		Each	
		ii) Under Counter Vanity Basin	42.00	No		Each	
6	19/8	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe and waste					
		coupling.	15.00	No		Each	
7	19/52	Providing and fixing CP bath Room Set made of					
		Sonex/Master/Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open wall shower, Muslim					
		shower, waste coupling and bottle trap etc. complete in all respect					
		as approved and directed by the Engineer incharge.					
		(i) 3 No Tee Stop Cock	40.00	No		Each	
		(ii) Lever Type Basin Mixer	42.00	No		Each	
		(iii) Double Bib Cock	17.00	No		Each	
		(iv) Muslim shower	17.00	No		Each	
Q	23/17 h	Providing, laying, testing and commissioning of					
ľ	20141-0	POLYPROPYLENE RANDOM COPOLYMER (PPRC) water		1			
		supply pipe made of (Dadex		1			
		/Popular/ Beta / BBJ) with specified pressure rating PN					
		(PRESSURE NOMINAL) and conforming to DIN 8077-8078 code i/c cost of solvent, specials, making jharries complete in all respect as					
		approved and directed					
		by Engineer Incharge. (Internal/External Diameters mentioned).					
		PN-20 pipe					
		(i) (3/4") 25 mm	3800.00	Rft		Per Rft	
		(ii) (1") 32 mm (iii) (1-1/4") 40 mm	3500.00 1000.00	Rft		Per Rft Per Rft	
		(iii) (1-1/2") 50 mm	500.00	Rft Rft		Per Rft	
		(v) (2") 63 mm	500.00	Rft		Per Rit	
			000.00				
				1	1		

No	Reff	Description	Quantit	у	Rate	Unit	Amount
9	23/46	Providing and fixing CP heavy duty brass Ball valve with CP handle of specified diameter made of Faisal/Sonex / Master best quality or equivalent complete in all respect as approved and directed by the Engineer Incharge. i) 1" dia	18.00	No		Each	
		ii) 1-1/4" dia	18.00 15.00	No No		Each	
		iii) 1.50" dia	12.00	No		Each	
		iv) 2" dia	8.00	No		Each	
10	19/47 - a	Providing, fixing, testing and commissioning of μ-PVC (Unplasticized polyvinyl Chloride) Nikasi/ waste pipe make of dadex /Popular/Beta/BBJ plain /socket ended conforming to code EN-1401 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge. Type (SDR 41/SN-4) i) 3"(85 mm) ii) 4"(110 mm) iii) 6" (160 mm)	500.00 3075.00 2000.00	Rft Rft Rft		Per Rft Per Rft Per Rft	
11	19/50	Providing, laying, testing and commissioning underground Yellow Polyethelene flexible gas pipe Tubing of required IPS(Iron Pipe Size) in the trenches, made of (Dadex/ Popular / Beta/ BBJ) for Gas supply i/c the cost of solvent and specials complete as approved and directed by the Engineer Incharge.					
		SDR-11					
		(ii) 1"	900.00	Rft		Per Rft	
		(ii) 2"	500.00	Rft		Per Rft	
		(ii) 1.50"	500.00	Rft		Per Rft	
12	19/49.	Providing, fixing, testing and commissioning of μ-PVC (Unplasticized polyvinyl Chloride) Nikasi/ waste pipe Fittings make of dadex /Popular/Beta/BBJ conforming to code EN- 1401 ncluding the cost of Solvents complete in all respect as approved and directed by the Engineer Incharge. (a) P-Trap					
		(i) 4" dia	150.00	No		Each	
		(b) Vent Cowel (i) 3" dia	10.00	N		East	
13	19/13	Providing and fitting plastic made low down flushing cistern	10.00	No		Each	
		13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete.	36.00	No		Each	
14	19/27	Providing and fixing chromium plated bib cock:- 1.5 cm (½")	50.00	No.		Each	
15	19/42	Providing and fitting chromium plated or oxidised, gas cock					
		6mm (1/4") Two way	25.00	No.		Each	
						Total	
1	3/42	External Plumbing Work Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- 0 ft. to 7.0 ft. (0 to					
		2.10 m) depth	20325.00	Cft		%o Cft	

No	Reff	Description	Quantit	y	Rate	Unit	Amount
2	21/3	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. ii) 12 " i/d	700.00	Rft		Per Rft	
3	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1:4:8	600.00	Cft		% Cft	
4	7/4	Pacca brick work in foundation & plinth:- cement, sand mortar:- Ratio 1:4	2000.00	Cft		% Cft	
5	11/8.	Cement plaster 1:3 upto 20' (6.00 mm) height:- i) 3/4" thick ii) ½" thick	1000.00 1250.00	Sft Sft		% Sft % Sft	
6	3/44	Excavation of trenches in all kinds of soil, except cutting 'rock, for water supply pipe lines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, levelling the beds of trenches to correct grade and cutting pits for joints, etc	8500.00	Cft		%o Cft	
7	21/16	Providing and fixing 6" thick R.C.C. manhole cover with tee shaped C.I. frame of 22" I/d (frame weighing 37.324 Kg. or one maund as per Standard Drawing STD/PD No. 6, of 1977, complete in all respect.	35.00	No.		Each	
8	24/42	Making connection for new watersupply lines with the running main, including excavation of trench and refilling, complete, but excluding cost of pipe and specials, etc. Diameter of running main: i) upto 6" i/d (150 mm) ii) upto 8" i/d (200 mm)	2.00 1.00	Con Con		P.Con P.Con	
9	23/43	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working presure pipe in trenches. complete in all respects PN-20(SDR-9) 3" (90mm)	500.00	Rft		Per Rft	
		External Civil Work				Total	
1	7/30	External Civil Work Supplying and filling sand under floor; or plugging in wells.	2750.00	Cft		% Cft	
2	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1:6:12	5500.00	Cft		% Cft	
3	10/41	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	20500.00	Sft		Per Sft	
4	6/52	Providing and fixing precast Edge Kerb Stone (4"to 6" thick), of 3500 PSI Compressive Strength, embeded in PCC 1:2:4					

No	Reff	Description	Quantity		Rate	Unit	Amount
		over lean concrete 1:4:8 etc complete in all respect.					
		A) With Painting (i) 14" high	2400.00	Rft		Rft	
						Total	
		External Electrical Work					
1	3/1-b	Earthwork excavation underessed lead upto a single throw of					
		Kassi, phaorah or shovel:- In ordinary soil.	6500.00	Cft		%o Cft	
2	24/12	Supply and erection of single core PVC insulated,					
		PVC sheathed copper conductor, 600/1000 volts grade cable,					
		in prelaid G.I. pipe/M.S. conduits/PVC pipe/G.I. wire/trenches					
		etc (rate for cable only):-					
		240 mm sq (37/0.114)	350.00	M		Per M	
3	24/158	Supply, installation, testing, commissioning and termination of					
		8.7/15kV,AL/XLPE/SWA/PVC three Core (MV cables) along					
		with cable glands, in already installed cable trench/cable					
		ladder/cable tray/duct bank. (Armoured)					
		70mm sq	250.00	М		Per M	
		95 mm sq	350.00	М		Per M	
4	24/105	Supply, insatllation, commissioning and testing of oil cooled type, Step down Power Transformer of specified rating,11/0.415 kV, i/c					
		the cost of lifting hooks, thermometers, LT & HT bushing 5-steps,					
		tap changer, imported double float buchholz relay, 2 earthing					
		terminals, roller wheels, connecting terminals for cables M.S box on					
		transformer in order to cover complete L.T side, all necessary					
		materials required for connections on H.T & L.T side, rated voltage					
		11000/415/240 V impedance 6.25% or as specified by WAPDA/IEC system earth: Delta / Star, neutral solidly earthed, i/c Wapda testing					
		charges,complete in all respects made of PEL, Siemens, as					
		approved and directed by the Engineer Incharge					
		400 KVA	1.00	No		Each	
						Total	
-		External Electrical (Non-Schedule)					
1	N.S	Supply & installation of 11-KV Dropout Fuse assemblies Set i/c any accessories required at site. Complete in all respect as directed and					
		approved by the Engineer Incharge	2.00	No		Each	
2	N.S	Supply & Installation of 11KV Pin Insulator i/c any accessories					
		required at site. Complete in all respect as directed and approved					
		by the Engineer Incharge.	6.00	No		Each	
3	N.S	Supply & installation of Creosoted Wooden cross arm on steel structure pole with galvanized steel bracing & bolts i/c any					
		accessories required at site. Complete in all respect as directed and					
		approved by the Engineer Incharge.	4.00	No		Each	
4	N.S	Supply and installation of 70mm ² -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	6.00			Each	
		Engineer Incharge.	0.00				
				+		Total	
						iotai	

The Islamia University of Bahawalpur

Construction of Academic Block for South Punjab Institute of Agro-Industry & Enviornment at Baghdad-ul-Jadeed Campus

Estimate Based on MRS 1st Bi-Annual, 2023

ABSTRACT OF COST

Work No.3

A) **Schedule Items Civil Work** i) Rs. **Electrical Work** ii) Rs. **Plumbing Work** iii) Rs. IT Data Cabeling System iv) Rs. Total A Rs. Non-Schedule Items B) **Civil Work** i) Rs. ii) **Electrical Work** Rs. Total B Rs. C) External Work i) External Civil Work Rs. **External Plumbing Work** ii) Rs. **External Electrical Work** iii) Rs. External Electrical Work (N.S) vi) Rs. Total C Rs. Total (A+B+C) Rs. D) Add 03% Contingencies Rs. Total (A+B+C+D) Rs. Add 05% PST Rs. **Grand Total** Rs.

The Islamia University of Bahawalpur Construction of Academic Block for South Punjab Institute of Agro-Industry & Enviornment at Baghdad-ul-Jadeed Campus

		Baghdad-ul-Jadeed Can	iipus			
					MRS	Work No.3 Jan - Jun, 2023
No	Reff	Description	Quantity	Rate	Unit	Amount
1	3/21	Civil Work Excavation in foundation of building, bridges & other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in By Excavator (ii)ordinary soil	50743.20 Cft		%o Cft	
2	3/18	Dressing and levelling of earhtwork to designed section, etc. Ordinary or hard soil	15000.00 Cft		%o Cft	
3	26/43	Spraying anti termite proofing by using liquid FMC Biflex 2.5%EC Mixing Ratio 1:50=137-Sft or using liquid MIRAGE Ali Akbar /RANGERS Auriga 5% SC Mixing Ability-HEXTAR Ratio 1:110=205-Sft or any other equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge	25950.00 Sft		Per Sft	
4	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1:4:8	3750.00 Cft		% Cft	
5	6/11	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) i) Deformed bars (Grade-60)	112200.00 Kg		% Kg	
6	6/6	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizental shuttering) complete in all respects:- using harrow sand i) Type B (nominal mix 1: 1½: 3)	8685.00 Cft		Per Cft	
7	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:using harrow sand i) Type B (nominal mix 1: $1/_2$: 3) (G.Floor) ii) Type B (nominal mix 1: $1/_2$: 3) (1st Floor)	15500.00 Cft 8385.00 Cft		Per Cft Per Cft	
8 i)	3/15 3/15-a	Filling, watering & ramming earth under floors:- with surplus earth from foundation, etc.	16496.00 Cft		%o Cft	
ii)	3/15-b+ 3/17 a	with new earth excavated from outside,lead upto 1 mile	118014.50 Cft		%o Cft	
9	7/5	Pacca brick work in ground floor:- cement, sand mortar:- i) Ratio 1:5 ii) Ratio 1:3 (For 4.5" Th.Walls only) iii) First Floor Ratio 1:5 cement sand mortor	15500.00 Cft 2078.00 Cft 14500.00 Cft		% Cft % Cft % Cft	
10	7/4	Pacca brick work in foundation and plinth in:- cement sand mortor Ratio 1:6	3700.00 Cft		% Cft	
11	6/35	Providing and laying damp proof course of cement concrete 1:2: 4 (using cement, sand and shingle), including bitumen coating:- with 2 coats of bitumen: 1½" thick (40 mm)	300.00 Sft		% Sft	
12	11/10	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only,	05000.00			
		i) upto 20' height. 1:3	35663.00 Sft		% Sft	

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No	Reff	Description	Quantity	Rate	Unit	Amount
13	11/9	Cement plaster 1:4 upto 20' (6.00 mm) height:- i) ½" (13 mm) thick ii) Above 20'- 30' height iii) 3/4" (20 mm) thick iv) Above 20'-30' height	58500.00 Sft 7500.00 Sft 33260.00 Sft 8500.00 Sft		% Sft % Sft % Sft % Sft	
14	7/30	Supplying and filling sand under floor; or plugging in wells.	11500.00 Cft		% Cft	
15	6/2	Dry rammed brick or stone ballast, $1\frac{1}{2}$ " to 2"(40 mm to 50 mm) gauge.	10500.00 Cft		% Cft	
16	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.mbitumen coating sand blinded.	21500.00 Sft		% Sft	
17	9/45	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation/ Foam Board on roof or walls, Density 32-38Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water obsorbtion (1% by volume, cell structure clored cell) i/c cutting and placing in				
		position complete in all respect 1.50" Thick .	21500.00 Sft		% Sft	
18	26/37	Supplying and laying polythene sheet over D.P.C. under 'floors and on roofs, etc. 500 gauge (.005" thick)	21500.00 Sft		Per Sft	
19	6/16	Providing and fixing ornamental cement jali 2" (50 mm) thick (1: 2: 4), without steel.	2250.00 Sft		Per Sft	
20	10/40	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels. 1.5x3/8	5500.00 Rft		Per Rft	
21	10/15	Providing and laying topping of cement concrete 1:2:4,including surface finishing and dividing in panels:- 2"(50 mm) thick	10398.00 Sft		% Sft	
22	25/56	Providing and fixing 2 mm thick Double Glazed Aluminium Windows of anodize / powder coated partly fixed and party sliding using deluxe section of 100mm x 40mm x2 mm using frame (70501) at bottom, (70502) at Top & Side made of Pak. Cables/Alcop having Leaf Frame size 31mm x 60mm x2 mm (70506) at Top & Bottom, 35mm x 60mm x2 mm (70505) at center and 35mm x 60mm x2 mm(70503) at sides , fixing 5 mm				

No	Reff	Description	Quantity		Rate	Unit	Amount
		thick imported tinted double glass and air tight using double tape, chemical strips, Silicon using approved latches, wheels for channel, stopper, brush channel angle joint and hardware etc.(cost of Fly Proofing). Complete in all respect as approved and directed by the Engineer Incharge.	3450.00	Sft		Per Sft	
23	25/53	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1- 1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	1725.00	Sft		Per Sft	
24	6/34	Providing and fixing theremopore (foamed polythene) sheet in horizontal and vertical expansion joints: 11/2" thick thermopore sheet	500.00	Sft		Per Sft	
25	11/23	Distempering:-a) new surface:- 3 Coats (For Ceiling)	40975.00	Sft		%Sft	
26	13/46	Providing and applying Wall Putty of 2mm thickness over plaster surface (new surface) to prepare the surface even & smooth complete in all respects.(On Interior Walls/Members Only)	112653.00	Sft		%Sft	
27	13/31	Preparing surface and painting with emulsion paint:- 3 coats	86565.00	Sft		% Sft	
28	6/5	Cement concrete plain including placing, compacting finishing and curing complete (including screening and washing of stone aggregate): i) Ratio 1:2:4	6825.00	Cft		% Cft	
29	12/61	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by the Engineer Incharge. brass sliding bolt, 10" (250 mm) long	50.00	No		Each	
30	6/26	Providing and fixing 6 in(150 mm). wide curved sheet of required shape fixed on face of the construction joint with G.I.screw,1.5 in (40 mm) long to cover construction joints vertically:- G.I. sheet, 18 SWG	150.00	Rft		Per Rft	
31	12/7(b-ii)	Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bolt,lock and chowkats (frame), etc.) as approved and directed by the Engineer Incharge.b) Oak/Ash wood Door (iii) 1-1/2" thick (40 mm)					
			2350.00	Sft		Per Sft	
32	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. (Lead 366 kms From Sargodaha (or approved quarry) to site of work)	35500.00	Cft		% Cft	

No	Reff	Description	Quantity		Rate	Unit	Amount
33	12/7	Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels <i>i/c</i> the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bolt,lock and chowkats (frame), etc.) as approved and directed by the Engineer Incharge- Deodar Wood 2" thick (50 mm) (for Main Door)	120.00	Sft		Per Sft	
34	25/36	Providing and fixing collapsible gate made of 2"x2"x"¼" tee iron at top and bottom, channel iron 'verticals ¾"x¼"x1¼"x1/8" (20x6x6x3 mm) at 3" (75 mm) to 5" (125 mm) centre to centre (approximate) and flat iron crosses 3"x3/16" (75x5 mm), and best quality rollers at bottom of 3" (75 mm) diameter including holdfasts, handles 12" (300 mm) long of ¾"x1⁄4"x1/8" channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled, complete in working order.	75.00	Sft		Per Sft	
35	10/42	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed tiles	22500.00	04		Per Sft	
36	10/43	(ii) 600mmx 600 mm Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge.	33500.00	Sft		PerSit	
		(ii) 600mmx 600 mm	6850.00	Sft		Per Sft	
37	10/47	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities / Shelves / Treads/ Window Cills , having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortor i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge.					
		China Verona	2950.00	Sft		Per Sft	
38	10/48	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carborandam disc as approved and directed bv the Engineer Incharge.	750.00	Rft		Per Rft	
39	10/49	Extra cost for making hole in Marble slab for fixtures, Sink,burners, basin Vanities i/c cost of bevelling of internal edge as approved and directed by the Engineer Incharge.	40.00	No		Each	
40	10/50	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge (for podium, Stair steps, Risers) (i) 3/4" thick	3375.00	Sft		Per Sft	

41 10/24 Providing and laying superb quality Ceramic tile floors of Master brand of specified size, GlosyMatTexture of approved Color and Shade as per approved design with adhesive bond, over 3/4" (11/2) certains tand plaster i/ the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. 1450.00 Sft Per Sft 42 10/25 Providing and laying superb quality Ceramic tiles dado of Master brand of specified size, Glossy/MatTexture skirting/dado of Master brand of specified size, Glossy/MatTexture aspects as approved and directed by the Engineer Incharge. 6750.00 Sft Per Sft 43 10/18 Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone and wooden floor. 18,000.00 Sft % Sft 44 25/59 Providing and fixing X-9 'high stair railing comprising of non magnetic (304) Stain less steel 2'' dia pipe railing of 18 SWG welded with vertical posts of 2' dia stainless steel iorund' Squar pipe @ 2-1 200.00 Sft Per Sft 45 25/64 Providing and fixing false calling comprises of Gypsum board laminated sheet of size 2-22/2/3/3/3/Glo specified design a	No	Reff	Description	Quantity	/	Rate	Unit	Amount
42 10/25 Providing and laying superb quality Ceramic tiles dado of Master brand of specified size.Giossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the jointsi/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. 6750.00 Stt 43 10/18 Extra labour for each storey above ground, for mosaic.conglomerate, tiles, stone and wooden floor. 18,000.00 Stt % Stt 44 25/59 Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c" passed through unched holes in MS Patti of 1-14*x1/8" the cost of 1-14*x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. 9600.00 Stt Per Stt 45 25/64 Providing and fixing 2-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with werical posts of 2" dia stainless steel pipes of 1/2" dia passes through goite Sired on vertical post; of stainles steel with pass steel in all respects as approved and directed by the Engineer Incharge. 200.00 Stt Per Stt 46 9/48 Providing and fixing false ceiling comprises of Gypsum board laminated shee with Dist. Site 1-14*x1/8" in the steel with 4" c/c (made of Taiwan CKM or equivalant), hanging with G.I/Copper wire 16 SWG, G.I hook, Rawal Piug etc: complete in all respects as approved and dincted by the Engineer Incharge. 12500.00	41	10/24	brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as					
Master brand of specified size (cioscy/Matt/Texture skitting/dad of approved Color and Shade with adhesive bond over 1/2*thick (1.2) cernent plaster l/u the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. 6750.00 Sft Per Sft 43 10/18 Extra labour for each storey above ground, for mosaic.conglomerate, tiles, stone and wooden floor. 18,000.00 Sft % Sft 44 25/59 Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4* cic* passed through punched holes in MS Patti of 1-1/4*x1/8*' log*' cot passed through punched holes in MS Patti of 1-1/4*x1/8*' log*' cot passed through punched holes in MS Patti of 1-1/4*x1/8*' log*' cot passed through punched holes in MS Patti of 1-1/4*x1/8*' log*' cot passed through punched holes in MS Patti of 1.1/4*x1/8*' log*' cot passed through punched holes in MS Patti of 1.1/4*x1/8*' log*' cot fixed on alternate steps with 3' long steel screw and brass areaving upus, 3-Nos diagonal stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3' long steel screw and brass areaving upus, 3-Nos diagonal stainless steel pipes of 1/2' dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge. 200.00 Sft 46 9/48 Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2/2'x3' 3'x3'of specified design and thickness i/c cost of fixtures i, galvanized angle 1'' x 1'' at avall sides, galvanized tee 1''x 1'' are total 12500.00 Sft Per Sft			12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	1450.00	Sft		Per Sft	
43 10/18 Extra labour for each storey above ground, for mosaic, congtomerate, tiles, stone and wooden floor. 18,000.00 Sft 44 25/59 Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4 c/c ' passed through punched holes in MS Patti of 1-1/4*X1/8" i/c the cost of 1-1/4*X1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. 3600.00 Sft 45 25/64 Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs. 3-Nos diagonal stainless steel pipe of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel pipe of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge. 200.00 Sft 46 9/48 Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2/2'x3' 3'x3'of specified design and thickness i/c cost of fixtures i.e galvanized angle 1" x 1" at wall sides, galvanized tee 1¼" x 1* and 1½" x 1* both at 4" c/c (made of Taiwan CKM or equivalent), hanging with G./Copper wire 16 SWG, G.I. hook, Rawal Plug etc: complete in all respects as approved and directed by the Engineer Incharge. 12500.00 Sft 47 12/60 Providing and fixing 2" wide MS Chowkat singel/double rebate ma	42	10/25	Master brand of specified size, Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge.					
44 25/59 Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c' passed through punched holes in MS Patti of 1-1/4"x1/8" l/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and paining 3 coat complete in all respect as approved and directed by the Engineer Incharge. 3600.00 Sft Per Sft 45 25/64 Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainless approved and directed by the Engineer Incharge. 200.00 Sft 46 9/48 Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2*2/2/2*3/3*3/3° specified design and thickness i/c cost of fixtures i.e galvanized angle 1" x 1" at wall sides, galvanized tel 1%" x 1"and 1 ½" x 1" both at 4" c/c (made of Taiwan CKM or equivalent), hanging with G.ICOpper wire 16 SWG, G.I. hook, Rawal Plug etc: complete in all respects as approved and directed by the Engineer Incharge. 12500.00 Sft 47 12/60 Providing and fixing 2" wide MS Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. ftai 1. 1/4"x1/8" l/6 "long M.S. Flait 1*1/8" hold fast (G-Nos) weided/ screwed, punching of lock hole covered with MS Box, coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4), complete			12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	6750.00	Sft		Per Sft	
 Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (i) 3/8" Squar Bars 3600.00 Sft Per Sft 25/64 Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round' Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs. 3-Nos diagonal stainless steel post of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge. 9/48 Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2/x2/2/3/3 '33' of specified design and thickness i/c cost of fixtures i.e galvanized angle 1" x 1" at wall sides, galvanized tee 1¼" x 1"and 1 ½" x 1" both at 4' c/c (male of Taiwan CKM or equivalent), hanging with G.I/Copper wire 16 SWG, G.I hook, Rawal Plug etc: complete in all respects as approved and directed by the Engineer Incharge. 9 mm thick 12500.00 Sft Per Sft 47 12/60 Providing and fixing 2" wide MS Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with MS. flat 1- 1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock hole covered with MS Box, coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4), complete in all respect as approved and directed by Engineer Incharge. i) 15 " wide i) 10.50 " wide i) 10.50 " wide i) 10.50 " wide 	43	10/18		18,000.00	Sft		% Sft	
45 25/64 Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs, 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge. 200.00 Sft 46 9/48 Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2'/2'x3' 3'x3'of specified design and thickness i/c cost of fixtures i.e galvanized angle 1" x 1" at wall sides, galvanized tee 1¼" x 1"and 1½" x 1" both at 4' c/c (made of Taiwan CKM or equivalent), hanging with G.I/Copper wire 16 SWG, G.I hook, Rawal Plug etc: complete in all respects as approved and directed by the Engineer Incharge. 9 mm thick 12500.00 Sft 47 12/60 Providing and fixing 2" wide MS Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. ftat 1-1/4"x1/8" i/c folong M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock hole covered with MS Box, coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4), complete in all respect as approved and directed by Engineer Incharge. 128.00 Sft 47 10.50 " wide 128.00 Sft Per Sft	44	25/59	Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all					
 and a state of the sta			(i) 3/8" Squar Bars	3600.00	Sft		Per Sft	
 9/48 9/48 Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2'/2'x3'/ 3'x3'of specified design and thickness i/c cost of fixtures i.e galvanized angle 1" x 1" at wall sides, galvanized tee 11/4" x 1"and 1 ½" x 1" both at 4' c/c (made of Taiwan CKM or equivalent), hanging with G.I/Copper wire 16 SWG, G.I. hook, Rawal Plug etc: complete in all respects as approved and directed by the Engineer Incharge. 9 mm thick 12500.00 Sft Per Sft 47 12/60 Providing and fixing 2" wide MS Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1- 1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock hole covered with MS Box,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4), complete in all respect as approved and directed by Engineer Incharge. i) 15 " wide ii) 10.50 " wide 128.00 Sft Per Sft 	45	25/64	magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing					
 Providing and fixing false celling comprises of Gypsum board laminated sheet of size 2'x2'/2'x3' of specified design and thickness i/c cost of fixtures i.e galvanized angle 1" x 1" at wall sides, galvanized tee 1½" x 1"and 1½" x 1" both at 4' c/c (made of Taiwan CKM or equivalent), hanging with G.I/Copper wire 16 SWG, G.I hook, Rawal Plug etc: complete in all respects as approved and directed by the Engineer Incharge. 9 mm thick 12/60 Providing and fixing 2" wide MS Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock hole covered with MS Box,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge. i) 15 " wide ii) 10.50 " wide 128.00 Sft 			Engineer Incharge.	200.00	Sft		Per Sft	
of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1- 1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock hole covered with MS Box,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge. i) 15 " wide 128.00 Sft ii) 10.50 " wide 3250.00 Sft	46	9/48	laminated sheet of size $2'x2'/2'x3'/3'x3'$ of specified design and thickness i/c cost of fixtures i.e galvanized angle 1" x 1" at wall sides, galvanized tee $1'_4$ " x 1"and $1'_2$ " x 1" both at 4' c/c (made of Taiwan CKM or equivalent), hanging with G.I/Copper wire 16 SWG, G.I hook, Rawal Plug etc: complete in all respects as	12500.00	Sft		Per Sft	
	47	12/60	of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1- 1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock hole covered with MS Box,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge.	128.00	Sft		Per Sft	
			,					
48 12/67 Providing and fixing auotomatic hydraulic operated door closer imported heavy duty complete in all respect as approved and directed by the Engineer Incharge. 60.00 No Each	48	12/67	imported heavy duty complete in all respect as approved	60.00	No		Fach	

49 2582 PiF. Iron door comprising of specified leaves made of 1-1/4" 47 25.414 X310 ⁺ MS angle lon for teal frame, diagonal and horizontal braces duly welded with MS, sheet 15.8 WG if the cost of aliang both, twen both and painting 3-coats but excluding the cost of Chowkat complete in all respect as approved and directed by the Engineer incharge. 120.00 Sft Per Sft 50 18/23 Providing and flaving MS. Grating comprising of Angle Iron (rame base). To providing and flaving weather shield paint of approved quality on experison of the single set or complete in all respect. 60.00 Sft Per Sft 51 13/33 Providing and applying weather shield paint of approved quality on experison faving 1/4 Hick growe finish to cost of a SWG wire in shape of B placed horizontally and vertical by the Engineer incharge. 21900.00 Sft Per Sft 52 7/83 Providing and flaving Fair Face Guika cladding laid in (12) cost of a SWG wire in shape of B placed horizontally and vertical by the Engineer incharge. 21900.00 Sft P. Sft 53 1244 Proparing surface and Lacquar polish for even all verspect as approved and directed by the Engineer incharge. 80.00 No Each 7 Providing and flaving DF. Khas or equivalent) complete in all respect as approved and directed by the Engineer incharge. 80.00 No Each 7 N.S Pro	No	Reff	Description	Quantity	Rate Unit	Amount
frame size 1.00* x1 50* x3/i6* and 1/2* square bars divy welded @ 4* cc, including painting charges etc complete in all respect. 60.00 Stt Per Stt 51 13/33 Providing and applying weather shield paint of approved quality on extrans surface of building including preparation of surface, application of prime complete in all respect. New Surface 21900.00 Stt % Stt 52 7/38 Providing and laying Fair Face Gutka cladding laid in (12) cost of 8 SWG wire in shape of 8 placed horizontally and weitrally at 36* and 18* dc respectively loc utting charges as per approved drawing _complete in all respect as approved and directed by the Engineer Incharge. 33500.00 Stt P. Stt 53 12/44 Preparing surface and Lacquar polish to reveal wooden grains by application of multiple costs of wood sealer _complete in all respects as approved and directed by the Engineer Incharge. 800.00 Stt Per Stt 54 N.S Crivit Work (Non-Schedule) nall respect as approved by Engineer Incharge. 80.00 No Each 7 N.S Providing a fixing Looking Glass 5-mm thick best quality complete in all respect as approved by the Engineering incharge 80.00 No Each 8 N.S Providing a fixing Stel Floor Jail complete in all respect as approved by the Engineer Incharge. 80.00 No Each 7 N.S Providing a fixing Stel Floor Jail complete mall respect as per specification and as approved by the Engineer Incharge. 80.00<	49	25/62	x1-1/4" x3/16" MS angle iron for leaf frame, diagonal and horizontal braces duly welded with MS. sheet 18-SWG i/c the cost of sliding bolt, tower bolt and painting 3-coats but excluding the cost of Chowkat complete in all respect as approved and directed by the Engineer incharge.	120.00 Sft	Per S	ft
2 7/38 Providing and laying Fair Face Cutka cladding laid in (12) coment/ red posso motar having 1/4" thick grove finish l/c cost of 8 SWG wire in shape of 8 placed horizontally and a directed by the Engineer Incharge. 21900.00 Stt % Stt 52 7/38 Providing and laying Fair Face Cutka cladding laid in (12) coment/ red posso motar having 1/4" thick grove finish l/c cost of 8 SWG wire in shape of 8 placed horizontally and a directed by the Engineer Incharge. 33500.00 Stt P. Stt 53 12/44 Preparing surface and Lacquar polish to reveal wooden grains by application of multiple coats of wood sealer , sand papering with different no d sandpapers and Lacquar to make glossy surface finish l/c the cost of cotton, thinner, wood sealer complete in all respects as approved and directed by the Engineer Incharge. 6000.00 Stt Per Stt 1 N.S Civil Work (Non-Schedule) Total Total Total 2 N.S Providing and fixing UPVC Doors 38mm thickness l/c deluex matching color UPVC Frame (matt or glossy finish) having color (WhiteGray-Matthe Gray-Oakt Wood, Coffee Wood Honey Pine Wood-Mahagony-Mary Gold-Chocotale Brown-Honey) 625.00 Stt P/Stt 2 N.S Providing and Fixing Class 5-mm thick best quality.complete in all respect as approved by the Engineer Incharge. 234.56 St P/Stt 3 N.S Providing & Fixing Cabinet consisting of lamination board 34" thic	50	18/23	frame size 1.50" x 1.50" x 3/16" and 1/2" square bars duly welded @ 4" c/c, including painting charges etc	60.00 Sft	Per S	ft
a cernent / red poison motar having 1/4* thick groove finish /c cost of 8 SWG wine is hape of 8 placed horizontally and vertically at 36° and 18° c/c respectively i/c cutting charges as per approved drawing, complete in all respect as approved and directed by the Engineer Incharge. II: 2.1/4* X 3* X 3* 33500.00 Sft P. Sft 53 12/44 Preparing surface and Lacquar polish to reveal wooden grains by application of multiple costs of wood sealer , sand papering with different not sandpapers and Lacquar to make glossy surface finish i/c the cost of cotton, thinner, wood sealer complete in all respects as approved and directed by the Engineer Incharge. Matt Finish Per Sft 1 N.S Civil Work (Non-Schedule) Total 1 N.S P/F Handle Lock (Hluke/DAF/Rhas or equivalent) complete in all respect as approved by Engineer Incharge. 80.00 No Each 2 N.S P/F Handle Lock (Hluke/DAF/Rhas or equivalent) complete in all respect as approved by Engineer Incharge. 80.00 No Each 3 N.S Providing and fixing UPVC Doors 38m thick best quality.complete in all respect as approved by the Engineer Incharge. 24.4 N.S Providing Steel Floor Jali complete in all respect as approved by the Engineering incharge. 234.56 Sft P/Sft 3 N.S Providing A fixing Cabinet consisting of lamination board 3/4* x 3/4* including spirt polish for gola complete in all respects as per specification and as approved by the Engineerin incharge. 234.56 S	51	13/33	external surface of building including preparation of surface,	21900.00 Sft	% S	t
by application of multiple coats of wood sealer , sand papering with different no of sandpapers and Lacquar to make glossy surface finish with the cost of cotton, thinner, wood sealer complete in all respects as approved and directed by the Engineer Incharge. Matt Finish 6000.00 St Per Stt 1 N.S Civil Work (Non-Schedule) P/F Handle Lock (Hiluke/DAF/Khas or equivalent) complete in all respect as approved by Engineer Incharge. 80.00 No Each 2 N.S Providing and fixing UPVC Doors 38mm thickness i/c deluex matching color UPVC Frame (matt or glossy finish) having color (whileGray-Marble Gray-Oak Wood-Coffee Wood Honey Pine Wood-Mahagony-Marry Gold-Chocolate Brown-Honey Dew) i/c all accessories complete in all respect as approval by the drawings and as approved by the Engineer Incharge. 9/Stt 3 N.S Providing and fixing Steel Floor Jali complete in all respect as per specification and as approved by the Engineer Incharge. 234.56 Stt P/Stt 4 N.S Providing & Fixing Cabinet consisting of lamination board 3/4* thick for leaves, kail wood frame 2.50* x1*, Gola for leaf 3/4* x 3/4* including aprit polish for gola complete in all respect as aper design, drawing & pattern as approved by the engineer incharge. 1350.00 Stt P/Stt 6 N.S Providing & Fixing Cabinet consisting of lamination board 3/4* thick box and leaves, Patal wood frame 3* x 1*, Gloa for leaf 3/4* x 3/4* including signt polish for gola complete in all respects as per design, drawing & pattern as approved by the engineer incharge. 1350.00 Stt P/Stt			cement / red posso mortar having 1/4" thick groove finish i/c cost of 8 SWG wire in shape of 8 placed horizontally and vertically at 36" and 18" c/c respectively i/c cutting charges as per approved drawing , complete in all respect as approved and directed by the Engineer Incharge. ii. 2-1/4" x 3" x 9"	33500.00 Sft	P. S	it
1 N.S. Civil Work (Non-Schedule) 80.00 No Each 1 N.S. P/F Handle Lock (Hiluke/IDAF/Khas or equivalent) complete in all respect as approved by Engineer Incharge. 80.00 No Each Providing and fixing UPVC Doors 38mm thickness i/c deluex matching color UPVC Frame (matt or glossy finish) having color (whiteGray-Marble Gray-Oak Wood-Dard Oak Wood, Coffee Wood Honey Pine Wood-Mahagony-Marry Gold-Chocolate Brown-Honey Dew) i/c all accessories complete in all respect as approval by the 625.00 Sft P/Sft 3 N.S Providing & Fixing Looking Glass 5-mm thick best quality, complete in all respect as approved by the Engineer Incharge. 234.56 Sft P/Sft 4 N.S Providing and fixing Steel Floor Jali complete in all respect as per specifications and drawings and as approved by the Engineering incharge. 49.00 No Each 5 N.S Providing & Fixing Cabinet consisting of lamination board 3/4" thick for leaves, kail wood frame 2.50" x 1", Gola for leaf 3/4" x 3/4" including sprit polish for gola complete in all respects as per design, drawing & pattern as approved by the engineer incharge. 1350.00 Sft P/Sft 6 N.S 'Providing & Fixing Cabinet upper portion consisting of lamination board 3/4" thick box and leaves, Partal wood frame 3" x 1", Gola for 'leaf 3/4" x 3/4" including spirit polish for gola complete in all respects as per design, drawing & pattern as approved by the engineer incharge. 1350.00 Sft P/Sft		12/44	by application of multiple coats of wood sealer , sand papering with different no of sandpapers and Lacquar to make glossy surface finish i/c the cost of cotton, thinner, wood sealer complete in all respects as approved and directed by the Engineer Incharge. Matt	6000.00 Sft		
1N.SP/F Handle Lock (Hiluke/DÁF/Khas or equivalent) complete in all respect as approved by Engineer Incharge.80.00NoEach2N.SProviding and fixing UPVC Doors 38mm thickness i/c deluex matching color UPVC Frame (matt or glossy finish) having color (whiteGray-Marble Gray-Oak Wood- Dard Oak Wood, Coffee Wood Honey Pine Wood-Mahagony-Marry Gold-Chocolate Brown-Honey Dew) i/c all accessories complete in all respect as approval by the guality.complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.625.00SftP/Sft3N.SProviding and fixing Steel Floor Jali complete in all respect as per specification and as approved by the Engineer incharge.234.56SftP/Sft4N.SProviding and fixing Cabinet consisting of lamination board 3/4" thick for leaves, kail wood frame 2.50" x 1", Gola for 'leaf 3/4" x 3/4" including sprit polish for gola complete in all respects as per design, drawing & pattern as approved by the engineer incharge.49.00No5N.SProviding & Fixing Cabinet upper portion consisting of lamination board 3/4" thick box and leaves, Partal wood frame 3" x 1", Gola for 'leaf 3/4" x 3/4" including sprit polish for gola complete in all respects as per design, drawing & pattern as approved by the Engineer Incharge.1350.00SftP/Sft6N.SProviding & Fixing Cabinet upper portion consisting of lamination board 3/4" thick box and leaves, Partal wood frame 3" x 1", Gola for 'leaf 3/4" x 3/4" including sprit polish for gola complete in all respects as per design, drawing & pattern as approved by the Engineer Incharge.250.00SftP/Sft			Civil Work (Non-Schedule)		Tota	1
and ching color UPVC Frame (matt or glossy finish) having color (whiteGray-Marble Gray-Oak Wood- Dard Oak Wood, Coffee Wood Honey Pine Wood-Mahagony-Marry Gold-Chocolate Brown-Honey Dew) ic all accessories complete in all respect as approval by the guality.complete in all respect as approval by the engineer Incharge.625.00 SftP/Sft3N.SProviding & Fixing Looking Glass 5-mm thick best quality.complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.234.56 SftP/Sft4N.SProviding and fixing Steel Floor Jali complete in all respect as per specification and as approved by the Engineering Incharge.49.00 NoEach5N.SProviding & Fixing Cabinet consisting of lamination board 3/4" thick for leaves, kail wood frame 2.50" x 1", Gola for 'leaf 3/4" x 3/4" including sprit polish for gola complete in all respects as per design, drawing & pattern as approved by the engineer incharge. (Down portion)P/Sft6N.S'Providing & Fixing Cabinet upper portion consisting of lamination board 3/4" thick box and leaves, Partal wood frame 3" x 1", Gola for 'leaf 3/4" x 3/4" including siprit polish for gola complete in all respects as per design, drawing & pattern as approved by the Engineer Incharge. (Upper Portion)250.00 SftP/Sft	1	N.S	P/F Handle Lock (Hiluke/DAF/Khas or equivalent) complete in	80.00 No	Eacl	1
quality,complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.234.56 SftP/Sft4N.SProviding and fixing Steel Floor Jali complete in all respect as per specification and as approved by the Engineering Incharge.49.00 NoEach5N.SProviding & Fixing Cabinet consisting of lamination board 3/4" thick for leaves, kail wood frame 2.50" x 1", Gola for 'leaf 3/4" x 3/4" including sprit polish for gola complete in all respects as per design, drawing & pattern as approved by the engineer incharge. (Down portion)1350.00 SftP/Sft6N.S'Providing & Fixing Cabinet upper portion consisting of lamination board 3/4" thick box and leaves, Partal wood frame 3" x 1", Gola for 'leaf 3/4" x 3/4" including siprit polish for gola complete in all respects as per design, drawing & pattern as approved by the Engineer Incharge. (Upper Portion)250.00 SftP/Sft	2	N.S	matching color UPVC Frame (matt or glossy finish) having color (whiteGray-Marble Gray-Oak Wood- Dard Oak Wood, Coffee Wood Honey Pine Wood-Mahagony-Marry Gold-Chocolate Brown-Honey	625.00 Sft	P/S	Sft
per specification and as approved by the Engineering Incharge.49.00 NoEach5N.SProviding & Fixing Cabinet consisting of lamination board 3/4" thick for leaves, kail wood frame 2.50" x 1", Gola for 'leaf 3/4" x 3/4" including spit polish for gola complete in all respects as per design, drawing & pattern as approved by the engineer incharge. (Down portion)1350.00 SftP/Sft6N.S'Providing & Fixing Cabinet upper portion consisting of lamination board 3/4" thick box and leaves, Partal wood frame 3" x 1", 	3	N.S	quality, complete in all respect as per specifications and	234.56 Sft	P/S	Sft
6 N.S 'Providing & Fixing Cabinet upper portion consisting of lamination board 3/4" including spirit polish for gola complete in all respects as per design, drawing & pattern as approved by the engineer incharge. 1350.00 Sft P/Sft 6 N.S 'Providing & Fixing Cabinet upper portion consisting of lamination board 3/4" thick box and leaves, Partal wood frame 3" x 1", Gola for 'leaf 3/4" x 3/4" including siprit polish for gola complete in all respects as per design, drawing & pattern as approved by the Engineer Incharge. (Upper Portion) 250.00 Sft P/Sft	4	N.S	per specification and as approved by the Engineering	49.00 No	Ea	ch
board 3/4" thick box and leaves, Partal woodframe 3" x 1",Gola for 'leaf 3/4" x 3/4" including siprit polish for gola completein all respects as per design, drawing & pattern as approved bythe Engineer Incharge. (Upper Portion)250.00 SftP/Sft	5	N.S	thick for leaves, kail wood frame 2.50" x 1", Gola for 'leaf 3/4" x 3/4" including sprit polish for gola complete in all respects as per design, drawing & pattern as approved by the engineer incharge.	1350.00 Sft	P/S	Sft
	6	N.S	board 3/4" thick box and leaves, Partal wood frame 3" x 1", Gola for "leaf 3/4" x 3/4" including siprit polish for gola complete in all respects as per design, drawing & pattern as approved by	250.00 Sft	P/S	Sft
	\square					

No	Reff	Description	Quantity	Rate	Unit	Amount
1	24/3	IT DATA CABELING SYSTEM Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. i) 3/4" i/d (20 mm) ii) 1" i/d (25 mm) iii) 1.50" i/d (40 mm) iv) 2" i/d (50 mm)	1350.00 M 1350.00 M 450.00 M 400.00 M		Per M Per M Per M Per M	
2	24/104	P/F PVC concealed Switch kit Box i/c the cost of screws complete as approved and directed by the Engineer Incharge i) Small ii) Large	200.00 No 240.00 No		Each Each	
3	24/106 24/131	Supply, Installation and commissioning of wiring with 4-pair data Cable, 23 AWG UL/EN listed cable * Conforming to following standards: TIA/EIA 568 / ISO/IEC 11801, in prelaid conduit / cable tray from including all accessories, Manufacturer/OEM Authorization, Make: Schneider / i-connect UK/3M Corning USA/ D-Link/ Pollo Australian or equivalent complete in all respect as approved and directed by Engineer Incharge. a) UTP (Unshielded Twisted pair) (i) CAT-6 (Min.1G @ 250MHz or higher) (ii) CAT-6A (Min.1G/ 10G @ 500MHz or higher) Supply, Installation and commissioning of Simple type, Dual Shutter Face Plates having fully populated I/O: Option 1:RJ-11 with RJ45/8P8C I/Os supporting either Cat6 or Cat6a (i) Single I/O	1600.00 M 1600.00 M 200.00 No		Per M Per M Each	
		(ii) Double I/O	240.00 No		Each	
					Total	
1	24/3	Electrical Work Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries,and repairing surface, etc., complete with all specials. i) 3/4" i/d (20 mm) ii) 1" i/d (25 mm) iii) 1.50" i/d (40 mm) iv) 2" i/d (50 mm)	2310.00 M 2500.00 M 500.00 M 450.00 M		Per M Per M Per M Per M	
2	24/6 ii	Supply and erection of PVC pipe for recessed wiring main and submain) purpose, i/c bends, specials etc in floor, walls or trenches: 3" i/d (80 mm)	450.00 M		Per M	
3	24/10	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only). 250/440 volts, PVC insulated: i) 3/0.74 mm (3/0.029") ii) 7/0.74 mm (7/0.029") iii) 7/0.91 mm (7/0.029") iii) 7/0.91 mm (7/0.036") iv) 7/1.12 mm (7/0.044") v) 7/1.63 mm (7/0.064") vi) 19/1.32 mm (19/0.052") vii) 19/1.63 mm (19/0.064")	16750.00 M 5500.00 M 2500.00 M 3200.00 M 1800.00 M 1975.00 M 1220.00 M		Per M Per M Per M Per M Per M Per M	

No	Reff	Description	Quanti	ty	Rate	Unit	Amount
4	24/13	Supply and erection of copper conductor cables for service					
		connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for					
		cable only):- PVC insulated, PVC sheathed 4 core, 660/1100					
		volt non armoured cable:-					
		i) 7/1.63 mm (7/0.064")	250.00	M		Per M	
		ii) 19/1.32 mm (19/0.052")	200.00	М		Per M	
5	24/30	Supply and erection of ceiling rose, bakelite.	50.00	No		Each	
6	24/103	P/F PVC double layer Switch kit Faceplate with specified					
		switch holes i/c the cost of switches / sockets / dimmer made					
		of Hi-Life / Bush / Schenider, screws complete as approved					
		and directed by the Engineer Incharge					
		a) One way Gange Switch					
		Small					
		i) 02 Gange	10.00	No		Each	
		ii) 03 Gange	10.00	No		Each	
		iii) Three pin Light Plug 10/13 Amp	300.00	No		Each	
		iv) Fan Dimmer	120.00	No		Each	
		v) Three Pin Power Plug 15-32 Amp Large	180.00	No		Each	
		i) 04 Gange	85.00	No		Each	
		ii) 05 Gange	50.00	No		Each	
		iii) 06 Gange	140.00	No		Each	
						20011	
7	24/102	Providing and fixing Copper winded Exhaust fan with louver					
		and shutter made of Pak/Younas/G.F.C. i/c the cost of					
		necessary cable and hardware for connection from ceiling rose					
		complete as approved and directed by Engineer Incharge.					
		a) Plastic body					
		i) 12" dia	25.00	No		Each	
	04/00	Sumpling Installation and comissioning of MCD (Ministure					
8	24/86	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND					
		FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN					
		GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid					
		DBs and Panels i/c the cost of screwes, necessary w wire					
		complete in all respect as approved and directed by the					
		Engineer Incharge					
		Single Pole					
		6-40 Amp (6 KA)	400.00	No		Each	
9	24/87	Supplying ,Installation and commissioning of MCCB (Moulded					
		Case Circuit Breaker) of specified rating made of LEGRAND					
		FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI					
		JAPAN/SIEMEN/ABB SWITZERLAND (with fixed					
		Thermal-Magnetic Trip) in prelaid DBs and Panels					
		i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge					
		Tripple Pole					
		i) 15-100 Amp(18 KA)	25.00	No		Each	
		ii) 125-250 Amp(18 KA)	25.00	No		Each	
		iii) 300-630 Amp(36 KA)	2.00	No		Each	
10	24/88	Supplying,Installation and commissioning of MCCB (Moulded					
	a-x	Case Circuit Breaker) of specified rating made of LEGRAND					
		FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI					
		JAPAN/ABB SWITZERL(with adjustable Thermal-Magnetic					
		Trip) in prelaid DBs and Panels i/c the cost of screws,					
		necessary wire complete in all respect as approved and					
		directed by the Engineer Incharge					
		Tripple Pole With Adjustable Thermal-Magnetic Trip					
		/Electronic Trip (60-100%)	1 00	No		Each	
		630-1600 Amp(50 KA)	1.00	No		Each	

No	Reff	Description	Quantity	Rate	Unit	Amount
11	24/94	Providing and fixing DB/Panel accessories of required rating and size i/c copper screws of approved brand Complete in all respect as approved and directed by the Engineer Incharge i) Selector Switch	4.00 No		Each	
		 ii) Current Transformer Coil (Make: Metelx/Fico) iii) Digital Voltmeter (0-600 Volt) iv) Digital Ammeter (0-9999 Amp) v) LED Phase Indicator 	3.00 No 2.00 No 2.00 No 6.00 No		Each Each Each Each	
12	24/90	vi) Exhaust Fan with Louvers (Make: Imported/Plastim) P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated	2.00 No		Each	
		Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately) i) 6" Deep 75~100A ii) 12" Deep 125~150A	30.00 Cf 10.00 Cf		Per Cft Per Cft	
13	24/91 i-b	P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity ,Door Earthing, Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). LT Switchboards				
		3.00 Ft deep 1600~2000A	160.00 Cf	t	Per Cft	
14	24/104	P/F PVC concealed Switch kit Box i/c the cost of screws complete as approved and directed by the Engineer Incharge i) Small ii) Large	620.00 No 275.00 No		Each Each	
					Total	
1	N.S	Electrical Work (Non-Schedule) Supply & installation of LED 24W Down Light (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)	300.00 No	5	Each	
2	N.S	Supply & installation of LED 600 x 600mm Ceilling Panel Light 36W (220V~, CW or WW) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips RC0488 or Equivalent)	400.00 No	5	Each	
3	N.S	Supply & installation of LED search light 100W (220V~, CW or WW) with fitting arrangement for installation on walls, parapet, pole or etc. i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips BVP 151 or Equivalent)	12.00 No	5	Each	
4	N.S	Providing & Fixing of LED Wall Light 15 Watt 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. (WL008C OVAL Philips)	50.00 No	5	Each	
5	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)	90.00 No	þ	Each	

No	Reff	Description	Quantity	Rate Unit	Amount
6	N.S	Supply & installation of PVC Fan Box with iron bar i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (GM, Bita or equivalent)	120.00 No	Each	
7	N.S	Supply & installation of Ceiling Fans, 56" sweep copper winding i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Royl Fan/Deluxe, Indus/Supreme, Pak Fan/Deluxe or equivalent)	120.00 No	Each	
8	N.S	Supply & installation of 2' x 2' False Ceiling Fan 18" 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)	100.00 No	Each	
9	N.S	Supply & installation of Wall Bracket Fan 24" (99.99% Copper) <i>i/c</i> 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)	9.00 No	Each	
10	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, 1½" i/d GI pipe 5' long, GI tee & plug for watering also includs 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	Each	
				Total	
1	19/23	Plumbing Work Providing and fixing BATHROOM ACCESSORIES (7-piece set) MASTER BRAND - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge. i) Plastic soap dish ii) Plastic toilet paper holder iii) Plastic tower rail iii) Plastic shelf 60x13 cm (24:x5") with bracket and railing	68.00 No 30.00 No 10.00 No 15.00 No	Each Each Each Each Each	
2	19/1	iv) Looking glass with plastic frame Providing and fitting glazed earthen ware water closet European type, excluding seat and cover:- coloured	14.00 No 17.00 No	Each	
3	19/2	Providing and fixing, double seat and cover only. Bakelite	17.00 No	Each	
4	19/4	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. coloured	36.00 No	Each	
5	19/7	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.			
		i) white, with pedestal ii) Under Counter Vanity Basin	6.00 No 42.00 No	Each Each	
6	19/8	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe and waste coupling.	15.00 No	Each	

No	Reff	Description	Quantity	Rate Ur	it Amount
7	19/52	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open wall shower, Muslim shower,waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge.			
		(i) 3 No Tee Stop Cock (ii) Lever Type Basin Mixer (iii) Double Bib Cock (iv) Muslim shower	40.00 No 42.00 No 17.00 No 17.00 No	Ea Ea Ea Ea	ch ch
8	23/47	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex /Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned).			
		PN-20 pipe (i) (3/4") 25 mm (ii) (1") 32 mm (iii) (1-1/4") 40 mm (iv) (1-1/2") 50 mm (v) (2") 63 mm	2500.00 Rft 4000.00 Rft 1000.00 Rft 350.00 Rft 350.00 Rft	Per Per Per Per	Rft Rft Rft
9	23/46	Providing and fixing CP heavy duty brass Ball valve with CP handle of specified diameter made of Faisal/Sonex / Master best quality or equivalent complete in all respect as approved and directed by the Engineer Incharge. i) 1" dia	10.00 No	Ea	ch
10	19/47	 ii) 1-1/4" dia iii) 1-50" dia iv) 2" dia Providing, fixing, testing and commissioning of µ-PVC (Unplasticized polyvinyl Chloride) Nikasi/ waste pipe make of dadex /Popular/Beta/BBJ plain /socket ended conforming to code EN-1401 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge. 	5.00 No 8.00 No 6.00 No	Ea Ea	ch
		Type (SDR 41/SN-4) i) 3"(85 mm) ii) 4"(110 mm) iii) 6" (160 mm)	500.00 Rft 3350.00 Rft 500.00 Rft	Per Per Per	Rft
11	19/49	Providing, laying, testing and commissioning underground Yellow Polyethelene flexible gas pipe Tubing of required IPS(Iron Pipe Size) in the trenches, made of (Dadex/ Popular / Beta/ BBJ) for Gas supply i/c the cost of solvent and specials complete as approved and directed by the Engineer Incharge.			
		SDR-11 (ii) 1" (ii) 2" (ii) 1-1/2"	800.00 Rft 500.00 Rft 700.00 Rft	Per Per Per	Rft
12	19/48	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized polyvinyl Chloride) Nikasi/ waste pipe Fittings make of dadex /Popular/Beta/BBJ conforming to code EN-1401 ncluding the cost of Solvents complete in all respect as approved and directed by the Engineer Incharge. (a) P-Trap			
		(i) 4" dia (b) Vent Cowel	150.00 No	Ea	ch
		(i) 3" dia	10.00 No	Ea	ch

No	Reff	Description	Quantit	y	Rate	Unit	Amount
13	19/13	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete.	36.00	No		Each	
14	21/3	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.					
		ii) 12 " i/d	500.00	Rft		Per Rft	
15	19/27	Providing and fixing chromium plated bib cock:- 1.5 cm (½")	17.00	No.		Each	
16	19/42	Providing and fitting chromium plated or oxidised, gas cock 6mm (1/4") Two way	5.00	No.		Each	
						Total	
1	3/42	External Plumbing Work Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- 0 ft. to 7.0 ft. (0 to 2.10 m) depth	16340.00	Cft		%o Cft	
2	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1:4:8	600.00	Cft		% Cft	
3	7/4	Pacca brick work in foundation & plinth:- cement, sand mortar:- Ratio 1:4	2000.00	Cft		% Cft	
4	11/9	Cement plaster 1:3 upto 20' (6.00 mm) height:- i) 3/4" thick ii) ½" thick	2400.00 2427.00	Sft Sft		% Sft % Sft	
5	3/44	Excavation of trenches in all kinds of soil, except cutting 'rock, for water supply pipe lines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, levelling the beds of trenches to correct grade and cutting pits for joints, etc	7650.00	Cft		%o Cft	
6 7	21/16 24/42	Providing and fixing 6" thick R.C.C. manhole cover with tee shaped C.I. frame of 22" I/d (frame weighing 37.324 Kg. or one maund as per StandardDrawing STD/PD No. 6, of 1977, complete in all respect. Making connection for new watersupply lines with the running main, including excavation of trench and refilling, complete, but excluding cost of pipe and specials, etc. Diameter of	41.00	No.		Each	
		running main: i) upto 6" i/d (150 mm) ii) upto 8" i/d (200 mm)	2.00 2.00	Con Con		P.Con P.Con	
8	23/43	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working presure pipe in trenches. complete in all respects PN-20 (SDR-9) 3" (90mm)	500.00	Rft		Per Rft	
						Total	
1	7/30	External Civil Work Supplying and filling sand under floor; or plugging in wells.	2400.00	Cft		% Cft	
2	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1:6:12	3336.00	Cft		% Cft	

No	Reff	Description	Quantity	Rate Unit	Amount
3	10/41 6/51A	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion <i>i/c</i> grouting with sand in joints <i>i/c</i> finishing to require slope. Complete in all respect. (50% Grey / 50% Coloured) 60mm thick Providing and fixing precast Edge Kerb Stone (4"to 6" thick), of 3500 PSI Compressive Strength, embeded in PCC 1:2:4 over lean concrete 1:4:8 etc complete in all respect. A) With Painting	15960.00 Sft	Per Sft	
		(i) 14" high	1500.00 Rft	Rft	
				Total	
1	3/1-b	External Electrical Work Earthwork excavation underessed lead upto a single throw of Kassi, phaorah or shovel:- In ordinary soil.	4500.00 Cft	%o Cft	
2	24/12	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 600/1000 volts grade cable, in prelaid G.I. pipe/M.S. conduits/PVC pipe/G.I. wire/trenches etc (rate for cable only):- 240 mm sq (37/0.114)	300.00 M	Per M	
3	24/158	Supply, installation, testing, commissioning and termination of 8.7/15kV,AL/XLPE/SWA/PVC three Core (MV cables) along with cable glands, in already installed cable trench/cable ladder/cable tray/duct bank. (Armoured) 70mm sq 95 mm sq	300.00 M 200.00 M	Per M Per M	
4	24/105	Supply, insatllation, commissioning and testing of oil cooled type, Step down Power Transformer of specified rating,11/0.415 kV, <i>i/c</i> the cost of lifting hooks, thermometers, LT & HT bushing 5-steps, tap changer, imported double float buchholz relay, 2 earthing terminals, roller wheels, connecting terminals for cables M.S box on transformer in order to cover complete L.T side, all necessary materials required for connections on H.T & L.T side, rated voltage 11000/415/240 V impedance 6.25% or as specified by WAPDA/IEC system earth: Delta / Star, neutral solidly earthed, <i>i/c</i> Wapda testing charges, complete in all respects made of PEL, Siemens, as approved and directed by the Engineer Incharge 400 KVA			
			1.00 No	Each	
				Total	
1	N.S	External Electrical (Non-Schedule) Supply & installation of 11-KV Dropout Fuse assemblies Set i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	1.00 No	Each	
2	N.S	Supply & Installation of 11KV Pin Insulator i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	3.00 No	Each	
3	N.S	Supply & installation of Creosoted Wooden cross arm on steel structure pole with galvanized steel bracing & bolts i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	2.00 No	Each	
4	N.S	Supply and installation of 70mm ² -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.	3.00 No	Each	
				Total	

Construction of Girls Hostel # 1 at Baghdad-ul-Jadeed Campus

Estimate Based on MRS Jan-Jun, 2023

ABSTRACT OF COST

		Work No. 4
A)	<u>Schedule Items</u>	
i.	Civil Works	Rs.
ii.	Plumbing Works	Rs.
iii.	Electrical Works	Rs.
	Total of "A"	Rs.
B)	Non-Schedule Items	
i.	Civil Works	Rs.
ii.	Electrical Works	Rs.
	Total of "B"	<u>Rs.</u>
C)	External Work	
i.	External Civil Work	Rs.
ii.	External Plunmbing Work	Rs.
iii.	External Electrical Work	Rs.
iv.	External Electrical Work (N.	S) <u>Rs.</u>
	Total of "C"	<u></u>
	Total (A+B+C)	<u>Rs.</u>
D)	Add 03% Contingencies	Rs.
	Total (A+B+C+D)	<u></u>
	Add 5% PST	<u>Rs.</u>
	Grand Total	<u>Rs.</u>

Construction of Girls Hostel # 1 at Baghdad-ul-Jadeed Campus

		Construction of Girls Hostel # 1 at Bagndad	ai ouucou cum		Work No. 4
				M	RS Jan-Jun, 2023
No.	Reff.	Description	Quantity	Rate Unit	Amount
1	3/21 b (ii)	Civil Work Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead 'upto one chain (30 m) and lift upto 5 ft. (1.5 m). By Excavator (ii) In ordinary soil.	97485.25 Cft	%o Cf	t
2	3/18	Dressing and levelling of earhtwork to designed section, etc. Ordinary or hard soil	25000.00 Cft	%o Cf	t
3	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): i) Ratio 1: 2: 4 (For Flooring) ii) Ratio 1:4:8	5500.00 Cft 500.00 Cft	% Cft % Cft	
4	6/3	Cement concrete brick or stone ballast $1\frac{1}{2}$ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1: 4:8	4650.00 Cft	% Cft	
5	26/43	Spraying anti termite proofing by using liquid FMC Biflex 2.5%EC Mixing Ratio 1:50=137-Sft or using liquid MIRAGE Ali Akbar /RANGERS Auriga 5% SC Mixing Ability-HEXTAR Ratio 1:110=205-Sft or any other equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all	35000.00 Sft	Per Sf	
		respect .as approved by the Engineer Incharge			
6	.,	Pacca brick work in foundation and plinth in:-C/S mortar:Ratio 1:6	31500.00 Cft	% Cft	
7	6/36 a- ii	Providing and laying damp proof course of cement concrete 1:2: 4 (using cement, sand and shingle), including bitumen coating:-with 1 coat bitumen and 1 coat polythene sheet 500 gauge. 2" thick	4700.00 Sft	% Sft	
8	6/38 a- ii-b	Providing and laying vertical damp proof course with cement sand cement sand plaster and bitumen coating:- with one coat of bitumen and one coat of polythene sheet 500 gauge: Ratio 1:3 ¾ " thick (20 mm)	3150.00 Sft	% Sft	
9	3/15	Filling, watering and ramming earth under floors:- i) with surplus earth from foundation, etc. ii) with new earth excavated from outside,lead upto One (1) Mile	97500.00 Cft 27500.00 Cft	%0 Cf %0 Cf	
10		 Compaction of earthwork (soft, ordinary or hard soil) :- a) Mixing, moistening earth to optimum moisture content in layers for compaction, etc. complete. b) Compaction by rolling with animal driven roller/hand rammed:soft or sandy soil 	128500.00 Cft	%o Cf	t
11	7/5	Pacca brick work in Cement, sand mortar:- Ratio 1:5 i) Ground Floor (7/5-i) ii) First Floor (7/5-i) + (7/6-i) ii) Second Floor	24500.00 Cft 23550.00 Cft 3400.00 Cft	% Cft % Cft % Cft	
12	7/5	Pacca brick work in Cement, sand mortar:- Ratio 1:4 i) Ground Floor (for 4.5" thick wall) ii) First Floor ii) Second Floor	700.00 Cft 980.00 Cft 850.00 Cft	% Cft % Cft % Cft	
13	11/10	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. Ratio 1:3	29500.00 Sft	% Sft	

	" 26/37	Cement plaster 1:4 upto 20' (6.00 m) height:- i) ½" (13 mm) thick (11/9-b) ii) 3/4" (20 mm) thick iii) 3/4" (20 mm) thick 20' to 30' height iii) 3/4" (20 mm) thick 30' to 40' height	66500.00 S 46700.00 S 23600.00 S		% Sft	
15	" 26/37	ii) 3/4" (20 mm) thick iii) 3/4" (20 mm) thick 20' to 30' height	46700.00 S		70 OIL	
15	" 26/37	iii) 3/4" (20 mm) thick 20' to 30' height			% Sft	
15	" 26/37		23000.00 3		% Sft	
			12500.00 S	ft	% Sft	
16	6/12	Supplying and laying polythene sheet over D.P.C. under				
16	6/12	floors and on roofs, etc. 500 gauge (.005" thick)	29500.00 S	ft	Per Sft	
		Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars i) Deformed Bar 60-Grade	71415.00 K	g	% Kg	
17	6/6	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects Type B (nominal mix1:1½:3) using harrow sand				
		i) Ground Floor (6/6(a-i)2 ii) First Floor (6/6(a-i)2+6/6-d)	8195.00 C 7750.00 C		Per Cft Per Cft	
18	7/30	Supplying and filling sand under floor; or plugging in wells	53580.00 C	ft	% Cft	
19	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.	12000.00 C	ft	% Cft	
20	9/45	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation/Foam Board on roof or walls, Density 32-38Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water obsorbtion (1% by volume, cell structure clored cell) i/c cutting and placing in position complete in all respect 1.5" thick	13500.00 S	ft	% Sft	
21	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.mbitumen coating sand blinded. (add 6% on composite rate) first floor	13500.00 S	ft	% Sft	
22		P/F 1-1/2" thick Solid Flush Door comprising of 2.5 mm thick Commercial ply compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges, Painting charges, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.	2750.00 S	ft	Per Sft	
23		Rehandling of earthwork plus additional lead or part thereof :-Upto a lead of 500 ft. (150 m).	18500.00 C	ft	%o Cft	
24	25/51	Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour , using delux section of M/s Al-Cop or Pakistan 'Cables, having chowkat frame of size 40 x 100 mm (1½" x '4") and leaf frame of 60x40mm (2½"x1½") wide all of 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.	400.00 S	ft	Per Sft	

No.	Reff.	Description	Quantity	Rate	Unit	Amount
25	25/52	Providing and fitting all types of glazed Aluminium Windows				
		of anodised bronze colour partly fixed and partly sliding using				
		delux sections of M/s Al-Cop or Pakistan 'Cables having				
		frame size of 100 x 20 mm (4 "x $\frac{3}{4}$ ") and 'leaf frame sections				
		of 50 x 20 mm (2"x¾"), all of including 5 'mm thick imported tinted glass with rubber gasket using approved standard latches				
		hardware etc., as approved by the Engineer. 1.60 mm Thickness	3350.00	Sft	Per Sft	
26	25/53	Providing and fixing <u>Aluminum Fly Screen</u> comprising of				
	20/00	Fiber/ Aluminum wireguaze (Malasian) fixed in aluminum				
		frame of approved manu facturer brownze Colour/powder				
		coated of size $1-1/2$ "x1/2" and 1.6 mm thick with rubber				
		gasket i/c cost of Hard wares as approved and directed by				
		the engineer incharge.	1675.00	Sft	Per Sft	
		5 5				
27	10/18	Extra labour for each storey above ground, for mosaic, tiles,				
		conglomerate,stone and wooden floor.(1st Floor Labour Only)	18500.00	Sft	% Sft	
	0=110					
28	25/10 +11	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders,				
	Ŧ11	'tanks, etc., including cutting, drilling, revitting, handling,				
		assembling and fixing, including erection in position.	890.00 H	≺g	% Kg	
		5 5, 5 1		5	5	
29	11/23	Distempering:-a) new surface:- 3 Coats (For Ceiling)	30000.00	Sft	%Sft	
30	13/46	Providing and applying Wall Putty of 2mm thickness over plastered surface (new surface) to prepare the surface even and				
		smooth complete in all respects.(On Interior Walls/Members				
		Only)	87000.00	Sft	%Sft	
31	13/31	Preparing surface & painting with 3 coats Emulsion Paint	87000.00	Sft	% Sft	
		complete in all respects				
32	13/5	Painting new surface: Preparing surface and Painting of	4800.00	Sft	% Sft	
-		Doors and Windows any type (including edges):- 3 coats				
33	13/33	Providing and Applying Weather Shield Paint of approved				
		quality on external surface of building including preparation				
		of surface, application of primer complete in all respect: new surface 2 coats				
		i) upto 20' height	17800.00	Sft	% Sft	
	+13/41	,		Sft	% Sft	
	"	iii) 30' to 40 height		Sft	% Sft	
		,				
34	12/7-a	Providing and fixing 1st class solid wood wrought joinery in				
		panelled or panelled and glazed doors and windows of specified				
		thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of				
		Tower bolt and handles complete in all respect (Excluding the				
		cost of sliding bolt,lock and chowkats (frame), etc.) as approved				
		and directed by the Engineer Incharge				
		Incharge (i) 2" thick (50 mm) For Main Enterance Door	120.00	Sft	Per Sft	
35	13/44	Preparing surface and Lacquar polish to reveal				
		wooden grains by application of multiple coats of wood sealer , sand papering with different no of sandpapers and				
		Lacquar to make glossy surface finish i/c the cost of				
		cotton, thinner, wood sealer complete in all respects as				
		approved and directed by the Engineer Incharge.				
		Glossy Finish (For Main Enterance Door)	250.00	Sft	Per Sft	
	40/45					
36	10/15	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- 3" thick	3200.00	Sft	% Sft	
		nordening surface ministring and dividing in patiels 3 littlek	0200.00	on	70 OIL	

38 39	a b 10/40 9/15	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by the Engineer Incharge. Iron Sliding Bolt, 12" (300 mm) long Brass Sliding Bolt 18" (450 mm) long (Main Enterance Door)	90.00			
39	b 10/40 9/15	approved and directed by the Engineer Incharge. Iron Sliding Bolt, 12" (300 mm) long	00.00			
39	b 10/40 9/15	Iron Sliding Bolt, 12" (300 mm) long	00.00			
39	b 10/40 9/15		00.00			
39	10/40 9/15	Brass Sliding Bolt 18" (450 mm) long (Main Enterance Door)		No	Each	
39	9/15		2.00	No	Each	
		Providing and fixing marble strip of any shade for dividing				
		the mosaic flooring into panels Size 1½"x3/8" (40x10mm)	1650.00	Rft	Per Rft	
40	10/11	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	20.00	No	Each	
	10/41	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 (50% Grey / 50% Coloured) 60 mm thick	5000.00	Sft	P/Sft	
41	6/27-ii	Providing and fixing 6 in(150 mm). wide Curved Sheet of required shape fixed on face of the Construction Joint with G.I.screw,1.5 in (40 mm) long to cover construction joints vertically:- G.I. sheet, 18 SWG	550.00	Rft	Per Rft	
42	9/12	Two coats of bitumen laid hot using 34 lbs. per %Sft, or 1.72 Kg per square metre over roof and blinded with sand at one Cft. per %Sft. (0.003 cu.m per sq.m)	13500.00	Sft	% Sft	
43	6/31	Providing embeding 10" (250 mm) wide ¼" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.	180.00	Rft	Per Rft	
44	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. Lead 366 Km from Sargodha (or approved quarry to site of work)	22500.00	Cft	% Cft	
45	10/42	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed tiles (ii) 600mmx 600 mm	26800.00	Sft	Per Sft	
46	10/43	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge.				
		(ii) 600mmx 600 mm	3500.00	Sft	Per Sft	
47	10/47	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities / Shelves / Treads/ Window Cills , having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortor i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge.				
		China Verona	1700.00	Sft	Per Sft	
48	10/48	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carborandam disc as approved and directed by the Engineer Incharge.	500.00	Rft	Per Rft	
49	10/49	Extra cost for Making Hole in Marble slab for fixtures, Sink,burners, basin Vanities i/c cost of bevelling of internal edge as approved and directed by the Engineer Incharge.	40.00	No	Each	

	Reff.	Description	Quantity	Rate Unit	Amount
50	10/50	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge (for podium, Stair steps, Risers) (i) 3/4" thick	2250.00 Sft	Per Sft	
51	10/24	Providing and laying superb quality Ceramic Tile Floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	2550.00 Sft	Per Sft	
52	10/25	Providing and laying superb quality Ceramic Tiles Dado of Master brand of specified size,Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	7300.00 Sft	Per Sft	
53	25/59	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge.			
		(i) 3/8" Squar Bars	3250.00 Sft	Per Sft	
54	25/64	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs, 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the	425.00 Sft	Per Sft	
55	12/62	Providing and fixing almirah shutter comprising of 3/4" thick both side Laminated/Glossy MDF (Karachi) sheet with 1"x3/4"deodar wood golla all around the leaf fixed on (3"x1") Kail wood frame i/c the cost of 1/2" full brass hinges, C.P.handles, catchers, screws, and rawal plugs, polishing/ paint ing 3 coat to gola & frame i/c the cost of locking arrangement complete in all respect as approved and directed by Engineer Incharge. (for Rooms)	1750.00		
			4750.00 Sft	Per Sft	
56	9/48	Providing and fixing False Ceiling comprises of Gypsum board laminated sheet of size 2'x2'/2'x3'/ 3'x3'of specified design and thickness i/c cost of fixtures i.e galvanized angle 1" x 1" at wall sides, galvanized tee 1¼" x 1"and 1 ½" x 1" both at 4' c/c (made of Taiwan CKM or equivalent), hanging with G.I/Copper wire 16 SWG, G.I hook, Rawal Plug etc: complete in all respects as approved and directed by the Engineer Incharge. 9 mm thick	1500.00 Sft	Per Sft	
57	12/17	Providing and fixing 2" wide MS Chowkat Singel/Double Rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock hole covered with MS Box,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge.			
		i) 15 " wide	120.00 Sft	Per Sft	
		ii) 10.50 " wide iii) 5.5 " wide	1750.00 Sft 750.00 Sft		
58	12/67	Providing and fixing Auotomatic Hydraulic Operated Door Closer imported heavy duty complete in all respect as			
		approved and directed by the Engineer Incharge.	8.00 No	Each	

No.	Reff.	Description	Quantity		Rate	Unit	Amount
59		P/F Iron Door comprising of specified leaves made of 1-1/4" x1-1/4" x3/16" MS angle iron for leaf frame, diagonal and horizontal braces duly welded with MS. sheet 18-SWG i/c the cost of sliding bolt, tower bolt and painting 3-coats but excluding the cost of Chowkat complete in all respect as approved and directed by the Engineer incharge. Double Leaf	80.00	Sft		Per Sft	
60	18/23	Providing and fixing M.S Grating comprising of Angle Iron frame size $1.50" \times 1.50" \times 3/16"$ and $1/2"$ square bars duly welded @ 4" c/c, including painting charges etc complete in all respect.	200.00	Sft		Per Sft	
61	7/38	Providing and laying fair face Gutka cladding laid in (1:2) cement / red posso mortar having 1/4" thick groove finish i/c cost of 8 SWG wire in shape of 8 placed horizontally and vertically at 36" and 18" c/c respectively i/c cutting charges as per approved drawing excluding carriage charges complete in all respect as approved and directed by the Engineer Incharge. 2-1/4" x 3" x 9"	22750.00	Sft		Per Sft	
62	12/58	Providing and fixing ornamental wooden architrave 3" x (1½" tapered to ¼") all along the door frame complete in all respects Deodar wood architrave	1020.00	Sft		Per Sft	
						Total	
1	N.S	Civil Work (Non-Schedule) Structural excavation in any kind of soil above / below water level for levelling and grading of building, for raft / foundations and other structures upto any depth, and disposal of unsuitable / surplus excavated material outside the project premises at any lead, including restoration of any damages during excavation is the responsibility of contractor complete in all respects as per Specifications and as per approval of The Engineer.	28503.35	Cft		Per Cft	
2	N.S	Supplying, filling select fill material as specified in the drawing including all lead and lift dressing watering and compacting to produce in situ dry density not less than 95% modified AASHTO or as directed by the engineer	69171.20	Cft		Per Cft	
3	N.S	Providing and fixing UPVC Doors 38mm thickness i/c deluex matching color UPVC Frame (matt or glossy finish) having color (whiteGray-Marble Gray-Oak Wood- Dard Oak Wood, Coffee Wood Honey Pine Wood-Mahagony-Marry Gold-Chocolate Brown-Honey Dew) i/c all accessories complete in all respect as approval by the Engineer Incharge.	750.00	Sft		Per Sft	
4	N.S	Providing & Fixing Cabinet consisting of lamination board 3/4" thick for leaves, kail wood frame 2.50" x 1", Gola for 'leaf 3/4" x 3/4" including sprit polish for gola complete in all respects as per design, drawing & pattern as approved by the engineer incharge. (Down portion)	450.00	Sft		P/Sft	
5	N.S	Providing & Fixing Cabinet upper portion consisting of lamination board 3/4" thick box and leaves, Partal wood frame 3" x 1", Gola for 'leaf 3/4" x 3/4" including siprit polish for gola complete in all respects as per design, drawing & pattern as approved by the Engineer Incharge. (Upper Portion)	250.00	Sft		P/Sft	
6	N.S	Supply & installation Burner 36 Nozel with casing & round iron plate (pan) Complete in all respect and approved by Engineer Incharge.	5.00	No		Each	

No.	Reff.	Description	Quantit	у	Rate	Unit	Amount
7	N.S	Supply & installation Burner 24 Nozel with casing Complete					
		in all respect and approved by Engineer Incharge.	1.00	No		Each	
8	N.S	Supply & installation Tandoor large size dia (25 Roti) complete in all respect and approved by Engineer inch.	1.00	No		Each	
			1.00	NU		Laci	
9	N.S	Providing and fixing Steel Floor trap Jali complete in all					
		respect as per specification and as approved by the Engineering Incharge.	60.00	No		Each	
		Lingineering monarge.	00.00	NU		Laci	
10	N.S	Providing & Fixing Looking Glass 5-mm thick best					
	11.0	quality, complete in all respect as per specifications and					
		drawings and as approved by the Engineer Incharge.	265.00	Sft		Per Sft	
						Total	
		Plumbing Work					
1	3/44	Excavation of trenches in all kinds of soil, except cutting					
		rock, for watersupply pipelines upto 5 ft. (1.5 m) depth					
		from ground level, including trimming, dressing sides, leveling the beds of trenches to correct grade and cutting					
		pits for joints, etc. complete in all respects.	8500.00	Cff		%oCft	
			0000.00	Un		700011	
2	3/42	Earthwork excavation in open cutting for sewers and					
		manholes as shown in drawings including shuttering and					
		timbering, dressing to correct section and dimensions					
		according to templates and levels, and removing surface					
		water, in all types of soil except shingle, gravel and rock:-					
		0 ft. to 7.0 ft. (0 to 2.10 m) depth	10720.00	Cft		%oCft	
3	19/23	Providing and fixing BATHROOM ACCESSORIES (7-piece set)					
Ũ		i) Plastic soap dish	16.00	No		Each	
		ii) Plastic toilet paper holder	8.00	No		Each	
		iii) Plastic tower rail	16.00	No		Each	
		iii) Plastic shelf 60x13 cm (24:x5") with bracket and railing	4.00	No		Each	
		iv) Looking glass with plastic frame	4.00	No		Each	
4	19/1	Providing and fitting glazed earthen ware water closet European type,					
4	13/1	excluding seat and cover:-					
		coloured	10.00	No		Each	
5	19/2	Providing and fixing, double seat and cover only. Bakelite	10.00	No		Each	
Ŭ			10.00			Laon	
6	19/4	Providing and fitting glazed earthen ware water closet, squatter type					
		(Orisa pattern), combined with foot rest.					
		coloured	18.00	No		Each	
7	19/7	Providing and fitting glazed earthen ware wash hand basin 56x40 cm					
		(22"x16") including bracket set, waste pipe and waste coupling, etc.i) white, with pedestal	6.00	No		Each	
		ii) Under Counter Vanity Basin	24.00	No		Each	
8	19/8	Providing and fixing stainless steel sink with drain board, size 120x60					
		cm (48"x24") including bracket set, waste pipe and waste coupling.	4.00	No		Each	
	10/50	Droviding and fiving OD both Doors Oct and					
9	19/52	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tee stop cocks, lever type					
		Basin Mixer, double Bib Cock, open wall shower, Muslim					
		shower, waste coupling and bottle trap etc. complete in all respect					
		as approved and directed by the Engineer incharge.					
		(i) 3 No Tee Stop Cock	90.00	No		Each	
		(ii) Lever Type Basin Mixer	24.00	No		Each	
		(iii) Double Bib Cock	6.00	No		Each	
		(iv) Muslim shower	10.00	No		Each	
		v) Open Type Wall Shower	20.00	No		Each	
					1		

No.	Reff.	Description	Quantit	y	Rate	Unit	Amount
10	23/47	P/laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex/Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge. PN-20 pipe (i) (3/4") 25 mm (ii) (1") 32 mm (iii) (1-1/4") 40 mm (iv) (1-1/2") 50 mm	4000.00 3500.00 1000.00 500.00	Rft Rft Rft		Per Rft Per Rft Per Rft Per Rft	
11	23/46	(v) (2") 63 mm Providing and fixing CP heavy duty brass Ball valve with CP handle of specified diameter made of Faisal/Sonex / Master best quality or equivalent complete in all respect as approved and	500.00	Rft		Per Rft	
		directed by the Engineer Incharge. i) 1" dia ii) 1-1/4" dia iii) 1.50" dia iv) 2" dia	8.00 4.00 4.00 2.00	No No No No		Each Each Each Each	
12	19/47	Providing, fixing, testing and commissioning of μ -PVC (Unplasticized polyvinyl Chloride) Nikasi/ waste pipe make of dadex /Popular/Beta/BBJ plain /socket ended conforming to code EN-1401 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.					
		Type (SDR 41/SN-4) i) 3"(90 mm) ii) 4"(110 mm) iii) 6" (160 mm)	500.00 1200.00 600.00	Rft Rft Rft		Per Rft Per Rft Per Rft	
13	19/50	Providing, laying, testing and commissioning underground Yellow Polyethelene flexible gas pipe Tubing of required IPS(Iron Pipe Size) in the trenches, made of (Dadex/ Popular / Beta/ BBJ) for Gas supply i/c the cost of solvent and specials complete as approved and directed by the Engineer Incharge. SDR-11					
		(ii) 1" (iii) 1.50"	1350.00 500.00	Rft Rft		Per Rft Per Rft	
14	19/49	Providing, fixing, testing and commissioning of μ-PVC (a) P-Trap (i) 4" dia	45.00	No		Each	
		(b) Vent Cowel (i) 3" dia	15.00	No		Each	
15 16	19/13 21/1	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. Providing and laying R.C.C. pipe, moulded with cement concrete	18.00	No		Each	
.0	£ 1/ 1	1:11/2:3. with spiaot socket or collar ioint. etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" i/c 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.9" i/d	500.00	Dtt		D#	
17	19/27	Providing and fixing chromium plated bib cock:- 1.5 cm (½")	500.00 17.00	Rft No.		Rft Each	
18		Providing and fitting chromium plated or oxidised, gas cock				_451	
		6mm (1/4") Two way	5.00	No.		Each	
						Total	

No.	Reff.	Description	Quantity	Rate	Unit Amount	_
		Electrical Work				
1	24/3	Supply and erection of PVC pipe for wiring recessed in walls,				
		including inspection boxes, pull boxes, hooks, cutting				
		jharries,and repairing surface, etc., complete with all specials.				
		i) 3/4" i/d (20 mm)	2250.00 M		Per M	
		ii) 1" i/d (25 mm)	2300.00 M		Per M	
		iii) 1.50" i/d (40 mm)	250.00 M		Per M	
		iv) 2" i/d (50 mm)	450.00 M		Per M	
2	24/6	Supply and erection of PVC pipe for recessed wiring main and				
	ii	submain) purpose, i/c bends, specials etc in floor, walls or				
		trenches:				
		3" i/d (80 mm)	800.00 M		Per M	
			000.00 11			
3	24/10	Supply and erection of single core PVC insulated copper				
5	24/10					
		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")	13500.00 M		Per M	
		ii) 7/0.74 mm (7/0.029")	5852.00 M		Per M	
		iii) 7/0.91 mm (7/0.036")	2550.00 M		Per M	
		iv) 7/1.12 mm (7/0.044")	3000.00 M		Per M	
		v) 7/1.63 mm (7/0.064")	1600.00 M		Per M	
		vi) 19/1.32 mm (19/0.052")	2100.00 M		Per M	
		vii) 19/1.63 mm (19/0.064")			Per M	
		VII) 19/1.03 IIIII (19/0.004)	1000.00 M		Perivi	
4	24/42	Cumuly and exaction of company conductor achieve for comvice				
4	24/13	Supply and erection of copper conductor cables for service				
		connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for				
		cable only):- PVC insulated, PVC sheathed 4 core, 660/1100				
		volt non armoured cable:-				
		i) 7/1.63 mm (7/0.064")	300.00 M		Per M	
		ii) 19/1.32 mm (19/0.052")	285.00 M		Per M	
5	24/30	Supply and erection of ceiling rose, bakelite.	100.00 No		Each	
6	24/103	P/F PVC double layer Switch kit Faceplate with specified				
		switch holes i/c the cost of switches / sockets / dimmer made				
		of Hi-Life / Bush / Schenider, screws complete as approved				
		and directed by the Engineer Incharge				
		a) One way Gange Switch				
		Small				
		i) 02 Gange	12.00 No		Each	
		ii) 03 Gange				
			12.00 No		Each	
		iii) Three pin Light Plug 10/13 Amp	300.00 No		Each	
		iv) Fan Dimmer	90.00 No		Each	
		v) Three Pin Power Plug 15-32 Amp	120.00 No		Each	
		Large				
		i) 04 Gange	50.00 No		Each	
		ii) 05 Gange	50.00 No		Each	
		iii) 06 Gange	120.00 No		Each	
		·				
7	24/104	P/F PVC concealed Switch kit Box i/c the cost of screws				
•	,	complete as approved and directed by the Engineer Incharge				
		i) Small	534.00 No		Each	
		ii) Large	220.00 No		Each	
		··· /··· g·	220.00 110			
8	24/102	Providing and fixing Copper winded Exhaust fan with louver				
		and shutter made of Pak/Younas/G.F.C. i/c the cost of				
		necessary cable and hardware for connection from ceiling rose				
		complete as approved and directed by Engineer Incharge.				
		a) Plastic body				
		i) 12" dia	35.00 No		Each	
			50.00 NO			_

No.	Reff.	Description	Quantity	Rate Unit	Amount
9	24/86	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary w wire complete in all respect as approved and directed by the			
		Engineer Incharge Single Pole 6-40 Amp (6 KA)	550.00 No	Each	
10		Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge Tripple Pole			
		i) 15-100 Amp(18 KA) ii) 125-250 Amp(18 KA)	40.00 No 40.00 No	Each Each	
11	24/88	 iii) 300-630 Amp(36 KA) Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/ABB SWITZERL(with adjustable Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, 	4.00 No	Each	
		necessary wire complete in all respect as approved and directed by the Engineer Incharge Tripple Pole With Adjustable Thermal-Magnetic Trip			
		/Electronic Trip (60-100%) 300-1000 Amp(36 KA)	2.00 No	Each	
12		 Providing and fixing DB/Panel accessories of required rating and size i/c copper screws of approved brand Complete in all respect as approved and directed by the Engineer Incharge i) Selector Switch ii) Current Transformer Coil (Make: Metelx/Fico) iii) Digital Voltmeter (0-600 Volt) iv) Digital Ammeter (0-9999 Amp) v) LED Phase Indicator vi) Exhaust Fan with Louvers (Make: Imported/Plastim) 	4.00 No 3.00 No 2.00 No 2.00 No 6.00 No 2.00 No	Each Each Each Each Each Each	
13	24/90	 P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately) i) 6" Deep 75~100A ii) 12" Deep 125~150A 	50.00 Cft 20.00 Cft	Per Cft Per Cft	
14	24/91 i-b	P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity ,Door Earthing, Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). LT Switchboards			
		3.00 Ft deep 1600~2000A	180.00 Cft	Per Cft	

No.	Reff.	Description	Quantity	Rate	Unit	Amount
1	N.S	Electrical Work (Non-Schedule) Supply & installation of LED 24W Down Light (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)	225.00 No		Each	
2	N.S	Supply & installation of LED 600 x 600mm Ceilling Panel Light 36W (220V~, CW or WW) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips RC048B or Equivalent)	50.00 No		Each	
3	N.S	Supply & installation of LED search light 100W (220V~, CW or WW) with fitting arrangement for installation on walls, parapet, pole or etc. i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips BVP 151 or Equivalent)	10.00 No		Each	
4	N.S	Providing & Fixing of LED Wall Light 15 Watt 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. (WL008C OVAL Philips)	70.00 No		Each	
5	N.S	Supply & installation of Wall Mounted LED Batten Light 20W (220V~, 6500K) Size 4 Feet long, i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Slimline or Equivalent)	340.00 No		Each	
6	N.S	Supply & installation of PVC Fan Box with iron bar i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (GM, Bita or equivalent)	90.00 No		Each	
7		Supply & installation of Ceiling Fans, 56" sweep copper winding i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Royl Fan/Deluxe, Indus/Supreme, Pak Fan/Deluxe or equivalent) Supply & installation of 2' x 2' False Ceiling Fan 18" swipe	90.00 No		Each	
		(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)	25.00 No		Each	
9	N.S	Supply & installation of Wall Bracket Fan 24" (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		Each	
10	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, 1¼" i/d GI pipe 5' long, GI tee & plug for watering also includs 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.	2.00 No		Each	
					Total	

No.	Reff.	Description	Quantity	,	Rate	Unit	Amount
1	7/30	External Civil Work Supplying and filling sand under floor; or plugging in wells.	1600.00	Cft		% Cft	
2	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1:6:12	1800.00	Cft		% Cft	
3	10/41	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	3000.00	Sft		Per Sft	
4	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	100.00	Cft		% Cft	
5	6/6	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizental shuttering) complete in all respects Type C (nominal mix 1: 2: 4)	100.00	Cft		Per Cft	
6	6/52	Providing and fixing precast Edge Kerb Stone (4"to 6" thick), of 3500 PSI Compressive Strength, embeded in PCC 1:2:4 over lean concrete 1:4:8 etc complete in all respect. With Painting 14" High (Main Path to Enterance)	400.00	Rft		Per Rft	
		External Plumbing Work				Total	
1	3/42	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- 0 ft. to 7.0 ft. (0 to 2.10 m) depth	7500.00	Cft		%o Cft	
2	7/4	Pacca brick work in foundation & plinth:- cement, sand mortar:- Ratio 1:4	650.00	Cft		% Cft	
3 4		Cement plaster 1:3 upto 20' (6.00 mm) height:- i) 3/4" thick ii) ½" thick Excavation of trenches in all kinds of soil, except cutting	1250.00 1250.00	Sft Sft		% Sft % Sft	
		rock, for water supply pipe lines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, levelling the beds of trenches to correct grade and cutting pits for joints, etc	3500.00	Cft		%o Cft	
5	21/16	Providing and fixing cover with tee shaped C.I. frame of 22" I/d (frame weighing 37.324 Kg. or one maund as per Standard Drawing STD/PD No. 6, of 1977, complete in all respect.	20.00	No.		Each	
6	23/42	Making connection for new watersupply lines with the running main, including excavation of trench and refilling, complete, but excluding cost of pipe and specials, etc. Diameter of running main: i) upto 6" i/d (150 mm) ii) upto 8" i/d (200 mm)	1.00 2.00	Con Con		P.Con P.Con	
7	23/43	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working presure pipe in trenches. complete in all respects PN-20 (SDR-9) 3" (90mm)	250.00	Rft		Per Rft	
H						Total	

No.	Reff.	Description	Quantity	,	Rate	Unit	Amount
1	3/1-b	External Electrical Work					
		Earthwork excavation underessed lead upto a single throw of	3500.00	Cft		%o Cft	
		Kassi, phaorah or shovel:- In ordinary soil.					
2	24/13						
	d	Supply and erection of copper conductor cables for service					
		connection, in prelaid pipe/G.I. wire/trenches, etc. (rate					
		for cable only: PVC insulated, PVC sheathed 4 Core,					
		600/1000 volt armoured cable	175.00	М		Per M	
		150 mm (37/0.093)					
						Total	
		External Electrical (Non-Schedule)					
1	N.S	Supply and installation of 70mm ² -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	4.00	No		Each	
		Engineer Incharge.	4.00	NU		Total	
						iotai	

Construction of Girls Hostel # 2 at Baghdad-ul-Jadeed Campus

Estimate Based on MRS Jan-Jun, 2023

ABSTRACT OF COST

		Work No. 5
A)	Schedule Items	
i.	Civil Works	Rs.
ii.	Plumbing Works	Rs.
iii.	Electrical Works	Rs.
	Total of "A"	Rs.
B)	Non-Schedule Items	
i.	Civil Works	Rs.
ii.	Electrical Works	Rs.
	Total of "B"	Rs.
C)	External Work	
i.	External Civil Work	<u>Rs.</u>
ii.	External Plunmbing Work	<u>Rs.</u>
iii.	External Electrical Work	<u>Rs.</u>
iv.	External Electrical Work (N.S)	Rs.
	Total of "C"	Rs.
	Total (A+B+C)	Rs.
D)	Add 03% Contingencies	Rs.
	Total (A+B+C+D)	Rs.
	Add 5% PST	Rs.
	Grand Total	Rs.

Construction of Girls Hostel # 2 at Baghdad-ul-Jadeed Campus

Work No. 5
MRS Jan-Jun, 2023

						MR	WORK NO. 5 S Jan-Jun, 2023
No.	Reff.	Description	Quantity	'	Rate	Unit	Amount
1	3/21 b (ii)	Civil Work Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead 'upto one chain (30 m) and lift upto 5 ft. (1.5 m). By Excavator (ii) In ordinary soil.	97485.25	Cft		%o Cft	
2	3/18	Dressing and levelling of earhtwork to designed section, etc. Ordinary or hard soil	25000.00	Cft		%o Cft	
3	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): i) Ratio 1: 2: 4 (For Flooring)	5500.00	Cft		% Cft	
		ii) Ratio 1:4:8	500.00	Cft		% Cft	
4	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1: 4:8	4650.00	Cft		% Cft	
5		Spraying anti termite proofing by using liquid FMC Biflex 2.5%EC Mixing Ratio 1:50=137-Sft or using liquid MIRAGE Ali Akbar /RANGERS Auriga 5% SC Mixing Ability-HEXTAR Ratio 1:110=205-Sft or any other equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge	35000.00	Sft		Per Sft	
6	7/4 (i)	Pacca brick work in foundation and plinth in:-C/S mortar: Ratio 1:6	31500.00	Cft		% Cft	
7	6/36 a- ii	Providing and laying damp proof course of cement concrete 1:2: 4 (using cement, sand and shingle), including bitumen coating:-with 1 coat bitumen and 1 coat polythene sheet 500 gauge. 2" thick	4700.00	Sft		% Sft	
8	6/38 a- ii-b	Providing and laying vertical damp proof course with cement sand cement sand plaster and bitumen coating:- with one coat of bitumen and one coat of polythene sheet 500 gauge: Ratio 1:3 ¾ " thick (20 mm)	3150.00	Sft		% Sft	
9	3/15	Filling, watering and ramming earth under floors:- i) with surplus earth from foundation, etc. ii) with new earth excavated from outside,lead upto One (1) Mile	97500.00 27500.00	Cft Cft		%o Cft %o Cft	
10		 Compaction of earthwork (soft, ordinary or hard soil) :- a) Mixing, moistening earth to optimum moisture content in layers for compaction, etc. complete. b) Compaction by rolling with animal driven roller/hand rammed:soft or sandy soil 	128500.00	Cft		%o Cft	
11		Pacca brick work in Cement, sand mortar:- Ratio 1:5 i) Ground Floor (7/5-i) ii) First Floor (7/5-i) + (7/6-i) ii) Second Floor	24500.00 23550.00 3400.00	Cft Cft Cft		% Cft % Cft % Cft	
12		Pacca brick work in Cement, sand mortar:- Ratio 1:4 i) Ground Floor (for 4.5" thick wall) ii) First Floor ii) Second Floor	700.00 980.00 850.00	Cft Cft Cft		% Cft % Cft % Cft	
13	11/10	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. Ratio 1:3	29500.00	Sft		% Sft	

	" 26/37	Cement plaster 1:4 upto 20' (6.00 m) height:- i) ½" (13 mm) thick (11/9-b) ii) 3/4" (20 mm) thick iii) 3/4" (20 mm) thick 20' to 30' height iii) 3/4" (20 mm) thick 30' to 40' height	66500.00 S 46700.00 S 23600.00 S		% Sft	
15	" 26/37	ii) 3/4" (20 mm) thick iii) 3/4" (20 mm) thick 20' to 30' height	46700.00 S		70 OIL	
15	" 26/37	iii) 3/4" (20 mm) thick 20' to 30' height			% Sft	
15	" 26/37		23000.00 3		% Sft	
			12500.00 S	ft	% Sft	
16	6/12	Supplying and laying polythene sheet over D.P.C. under				
16	6/12	floors and on roofs, etc. 500 gauge (.005" thick)	29500.00 S	ft	Per Sft	
		Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars i) Deformed Bar 60-Grade	71415.00 K	g	% Kg	
17	6/6	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects Type B (nominal mix1:1½:3) using harrow sand				
		i) Ground Floor (6/6(a-i)2 ii) First Floor (6/6(a-i)2+6/6-d)	8195.00 C 7750.00 C		Per Cft Per Cft	
18	7/30	Supplying and filling sand under floor; or plugging in wells	53580.00 C	ft	% Cft	
19	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.	12000.00 C	ft	% Cft	
20	9/45	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation/Foam Board on roof or walls, Density 32-38Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water obsorbtion (1% by volume, cell structure clored cell) i/c cutting and placing in position complete in all respect 1.5" thick	13500.00 S	ft	% Sft	
21	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.mbitumen coating sand blinded. (add 6% on composite rate) first floor	13500.00 S	ft	% Sft	
22		P/F 1-1/2" thick Solid Flush Door comprising of 2.5 mm thick Commercial ply compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges, Painting charges, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.	2750.00 S	ft	Per Sft	
23		Rehandling of earthwork plus additional lead or part thereof :-Upto a lead of 500 ft. (150 m).	18500.00 C	ft	%o Cft	
24	25/51	Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour , using delux section of M/s Al-Cop or Pakistan 'Cables, having chowkat frame of size 40 x 100 mm (1½" x '4") and leaf frame of 60x40mm (2½"x1½") wide all of 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.	400.00 S	ft	Per Sft	

No.	Reff.	Description	Quantity	Rate	Unit	Amount
25	25/52	Providing and fitting all types of glazed Aluminium Windows				
		of anodised bronze colour partly fixed and partly sliding using				
		delux sections of M/s Al-Cop or Pakistan 'Cables having				
		frame size of 100 x 20 mm (4 "x $\frac{3}{4}$ ") and 'leaf frame sections				
		of 50 x 20 mm (2"x¾"), all of including 5 'mm thick imported tinted glass with rubber gasket using approved standard latches				
		hardware etc., as approved by the Engineer. 1.60 mm Thickness	3350.00	Sft	Per Sft	
26	25/53	Providing and fixing <u>Aluminum Fly Screen</u> comprising of				
	20/00	Fiber/ Aluminum wireguaze (Malasian) fixed in aluminum				
		frame of approved manu facturer brownze Colour/powder				
		coated of size $1-1/2$ "x1/2" and 1.6 mm thick with rubber				
		gasket i/c cost of Hard wares as approved and directed by				
		the engineer incharge.	1675.00	Sft	Per Sft	
		5 5				
27	10/18	Extra labour for each storey above ground, for mosaic, tiles,				
		conglomerate,stone and wooden floor.(1st Floor Labour Only)	18500.00	Sft	% Sft	
	05/10					
28	25/10 +11	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders,				
	Ŧ11	'tanks, etc., including cutting, drilling, revitting, handling,				
		assembling and fixing, including erection in position.	890.00 H	≺g	% Kg	
		5 5, 5 1		5	5	
29	11/23	Distempering:-a) new surface:- 3 Coats (For Ceiling)	30000.00	Sft	%Sft	
30	13/46	Providing and applying Wall Putty of 2mm thickness over plastered surface (new surface) to prepare the surface even and				
		smooth complete in all respects.(On Interior Walls/Members				
		Only)	87000.00	Sft	%Sft	
31	13/31	Preparing surface & painting with 3 coats Emulsion Paint	87000.00	Sft	% Sft	
		complete in all respects				
32	13/5	Painting new surface: Preparing surface and Painting of	4800.00	Sft	% Sft	
-		Doors and Windows any type (including edges):- 3 coats				
33	13/33	Providing and Applying Weather Shield Paint of approved				
		quality on external surface of building including preparation				
		of surface, application of primer complete in all respect: new surface 2 coats				
		i) upto 20' height	17800.00	Sft	% Sft	
	+13/41	,		Sft	% Sft	
	"	iii) 30' to 40 height		Sft	% Sft	
		,				
34	12/7-a	Providing and fixing 1st class solid wood wrought joinery in				
		panelled or panelled and glazed doors and windows of specified				
		thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of				
		Tower bolt and handles complete in all respect (Excluding the				
		cost of sliding bolt,lock and chowkats (frame), etc.) as approved				
		and directed by the Engineer Incharge				
		Incharge (i) 2" thick (50 mm) For Main Enterance Door	120.00	Sft	Per Sft	
35	13/44	Preparing surface and Lacquar polish to reveal				
		wooden grains by application of multiple coats of wood sealer , sand papering with different no of sandpapers and				
		Lacquar to make glossy surface finish i/c the cost of				
		cotton, thinner, wood sealer complete in all respects as				
		approved and directed by the Engineer Incharge.				
		Glossy Finish (For Main Enterance Door)	250.00	Sft	Per Sft	
	40/45					
36	10/15	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- 3" thick	3200.00	Sft	% Sft	
		nordening surface infisiting and dividing in patiels 3 littler	0200.00	on	70 OIL	

38 39	a b 10/40 9/15	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by the Engineer Incharge. Iron Sliding Bolt, 12" (300 mm) long Brass Sliding Bolt 18" (450 mm) long (Main Enterance Door)	90.00			
39	b 10/40 9/15	approved and directed by the Engineer Incharge. Iron Sliding Bolt, 12" (300 mm) long	00.00			
39	b 10/40 9/15	Iron Sliding Bolt, 12" (300 mm) long	00.00			
39	b 10/40 9/15		00.00			
39	10/40 9/15	Brass Sliding Bolt 18" (450 mm) long (Main Enterance Door)		No	Each	
39	9/15		2.00	No	Each	
		Providing and fixing marble strip of any shade for dividing				
		the mosaic flooring into panels Size 1½"x3/8" (40x10mm)	1650.00	Rft	Per Rft	
40	10/11	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	20.00	No	Each	
	10/41	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 (50% Grey / 50% Coloured) 60 mm thick	5000.00	Sft	P/Sft	
41	6/27-ii	Providing and fixing 6 in(150 mm). wide Curved Sheet of required shape fixed on face of the Construction Joint with G.I.screw,1.5 in (40 mm) long to cover construction joints vertically:- G.I. sheet, 18 SWG	550.00	Rft	Per Rft	
42	9/12	Two coats of bitumen laid hot using 34 lbs. per %Sft, or 1.72 Kg per square metre over roof and blinded with sand at one Cft. per %Sft. (0.003 cu.m per sq.m)	13500.00	Sft	% Sft	
43	6/31	Providing embeding 10" (250 mm) wide ¼" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.	180.00	Rft	Per Rft	
44	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. Lead 366 Km from Sargodha (or approved quarry to site of work)	22500.00	Cft	% Cft	
45	10/42	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed tiles (ii) 600mmx 600 mm	26800.00	Sft	Per Sft	
46	10/43	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge.				
		(ii) 600mmx 600 mm	3500.00	Sft	Per Sft	
47	10/47	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities / Shelves / Treads/ Window Cills , having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortor i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge.				
		China Verona	1700.00	Sft	Per Sft	
48	10/48	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carborandam disc as approved and directed by the Engineer Incharge.	500.00	Rft	Per Rft	
49	10/49	Extra cost for Making Hole in Marble slab for fixtures, Sink,burners, basin Vanities i/c cost of bevelling of internal edge as approved and directed by the Engineer Incharge.	40.00	No	Each	

	Reff.	Description	Quantity	Rate Unit	Amount
50	10/50	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge (for podium, Stair steps, Risers) (i) 3/4" thick	2250.00 Sft	Per Sft	
51	10/24	Providing and laying superb quality Ceramic Tile Floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	2550.00 Sft	Per Sft	
52	10/25	Providing and laying superb quality Ceramic Tiles Dado of Master brand of specified size,Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	7300.00 Sft	Per Sft	
53	25/59	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge.			
		(i) 3/8" Squar Bars	3250.00 Sft	Per Sft	
54	25/64	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs, 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the	425.00 Sft	Per Sft	
55	12/62	Providing and fixing almirah shutter comprising of 3/4" thick both side Laminated/Glossy MDF (Karachi) sheet with 1"x3/4"deodar wood golla all around the leaf fixed on (3"x1") Kail wood frame i/c the cost of 1/2" full brass hinges, C.P.handles, catchers, screws, and rawal plugs, polishing/ paint ing 3 coat to gola & frame i/c the cost of locking arrangement complete in all respect as approved and directed by Engineer Incharge. (for Rooms)	1750.00		
			4750.00 Sft	Per Sft	
56	9/48	Providing and fixing False Ceiling comprises of Gypsum board laminated sheet of size 2'x2'/2'x3'/ 3'x3'of specified design and thickness i/c cost of fixtures i.e galvanized angle 1" x 1" at wall sides, galvanized tee 1¼" x 1"and 1 ½" x 1" both at 4' c/c (made of Taiwan CKM or equivalent), hanging with G.I/Copper wire 16 SWG, G.I hook, Rawal Plug etc: complete in all respects as approved and directed by the Engineer Incharge. 9 mm thick	1500.00 Sft	Per Sft	
57	12/17	Providing and fixing 2" wide MS Chowkat Singel/Double Rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock hole covered with MS Box,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge.			
		i) 15 " wide	120.00 Sft	Per Sft	
		ii) 10.50 " wide iii) 5.5 " wide	1750.00 Sft 750.00 Sft		
58	12/67	Providing and fixing Auotomatic Hydraulic Operated Door Closer imported heavy duty complete in all respect as			
		approved and directed by the Engineer Incharge.	8.00 No	Each	

No.	Reff.	Description	Quantity		Rate	Unit	Amount
59		P/F Iron Door comprising of specified leaves made of 1-1/4" x1-1/4" x3/16" MS angle iron for leaf frame, diagonal and horizontal braces duly welded with MS. sheet 18-SWG i/c the cost of sliding bolt, tower bolt and painting 3-coats but excluding the cost of Chowkat complete in all respect as approved and directed by the Engineer incharge. Double Leaf	80.00	Sft		Per Sft	
60	18/23	Providing and fixing M.S Grating comprising of Angle Iron frame size $1.50" \times 1.50" \times 3/16"$ and $1/2"$ square bars duly welded @ 4" c/c, including painting charges etc complete in all respect.	200.00	Sft		Per Sft	
61	7/38	Providing and laying fair face Gutka cladding laid in (1:2) cement / red posso mortar having 1/4" thick groove finish i/c cost of 8 SWG wire in shape of 8 placed horizontally and vertically at 36" and 18" c/c respectively i/c cutting charges as per approved drawing excluding carriage charges complete in all respect as approved and directed by the Engineer Incharge. 2-1/4" x 3" x 9"	22750.00	Sft		Per Sft	
62	12/58	Providing and fixing ornamental wooden architrave 3" x (1½" tapered to ¼") all along the door frame complete in all respects Deodar wood architrave	1020.00	Sft		Per Sft	
						Total	
1	N.S	Civil Work (Non-Schedule) Structural excavation in any kind of soil above / below water level for levelling and grading of building, for raft / foundations and other structures upto any depth, and disposal of unsuitable / surplus excavated material outside the project premises at any lead, including restoration of any damages during excavation is the responsibility of contractor complete in all respects as per Specifications and as per approval of The Engineer.	28503.35	Cft		Per Cft	
2	N.S	Supplying, filling select fill material as specified in the drawing including all lead and lift dressing watering and compacting to produce in situ dry density not less than 95% modified AASHTO or as directed by the engineer	69171.20	Cft		Per Cft	
3	N.S	Providing and fixing UPVC Doors 38mm thickness i/c deluex matching color UPVC Frame (matt or glossy finish) having color (whiteGray-Marble Gray-Oak Wood- Dard Oak Wood, Coffee Wood Honey Pine Wood-Mahagony-Marry Gold-Chocolate Brown-Honey Dew) i/c all accessories complete in all respect as approval by the Engineer Incharge.	750.00	Sft		Per Sft	
4	N.S	Providing & Fixing Cabinet consisting of lamination board 3/4" thick for leaves, kail wood frame 2.50" x 1", Gola for 'leaf 3/4" x 3/4" including sprit polish for gola complete in all respects as per design, drawing & pattern as approved by the engineer incharge. (Down portion)	450.00	Sft		P/Sft	
5	N.S	Providing & Fixing Cabinet upper portion consisting of lamination board 3/4" thick box and leaves, Partal wood frame 3" x 1", Gola for 'leaf 3/4" x 3/4" including siprit polish for gola complete in all respects as per design, drawing & pattern as approved by the Engineer Incharge. (Upper Portion)	250.00	Sft		P/Sft	
6	N.S	Supply & installation Burner 36 Nozel with casing & round iron plate (pan) Complete in all respect and approved by Engineer Incharge.	5.00	No		Each	

No.	Reff.	Description	Quantit	у	Rate	Unit	Amount
7	N.S	Supply & installation Burner 24 Nozel with casing Complete					
		in all respect and approved by Engineer Incharge.	1.00	No		Each	
8	N.S	Supply & installation Tandoor large size dia (25 Roti) complete in all respect and approved by Engineer inch.	1.00	No		Each	
			1.00	NU		Laci	
9	N.S	Providing and fixing Steel Floor trap Jali complete in all					
		respect as per specification and as approved by the Engineering Incharge.	60.00	No		Each	
		Lingineering monarge.	00.00	NU		Laci	
10	N.S	Providing & Fixing Looking Glass 5-mm thick best					
	11.0	quality, complete in all respect as per specifications and					
		drawings and as approved by the Engineer Incharge.	265.00	Sft		Per Sft	
						Total	
		Plumbing Work					
1	3/44	Excavation of trenches in all kinds of soil, except cutting					
		rock, for watersupply pipelines upto 5 ft. (1.5 m) depth					
		from ground level, including trimming, dressing sides, leveling the beds of trenches to correct grade and cutting					
		pits for joints, etc. complete in all respects.	8500.00	Cff		%oCft	
			0000.00	on		700011	
2	3/42	Earthwork excavation in open cutting for sewers and					
		manholes as shown in drawings including shuttering and					
		timbering, dressing to correct section and dimensions					
		according to templates and levels, and removing surface					
		water, in all types of soil except shingle, gravel and rock:-					
		0 ft. to 7.0 ft. (0 to 2.10 m) depth	10720.00	Cft		%oCft	
3	19/23	Providing and fixing BATHROOM ACCESSORIES (7-piece set)					
Ũ		i) Plastic soap dish	16.00	No		Each	
		ii) Plastic toilet paper holder	8.00	No		Each	
		iii) Plastic tower rail	16.00	No		Each	
		iii) Plastic shelf 60x13 cm (24:x5") with bracket and railing	4.00	No		Each	
		iv) Looking glass with plastic frame	4.00	No		Each	
4	19/1	Providing and fitting glazed earthen ware water closet European type,					
4	13/1	excluding seat and cover:-					
		coloured	10.00	No		Each	
5	19/2	Providing and fixing, double seat and cover only. Bakelite	10.00	No		Each	
Ŭ			10.00			Laon	
6	19/4	Providing and fitting glazed earthen ware water closet, squatter type					
		(Orisa pattern), combined with foot rest.					
		coloured	18.00	No		Each	
7	19/7	Providing and fitting glazed earthen ware wash hand basin 56x40 cm					
		(22"x16") including bracket set, waste pipe and waste coupling, etc.i) white, with pedestal	6.00	No		Each	
		ii) Under Counter Vanity Basin	24.00	No		Each	
8	19/8	Providing and fixing stainless steel sink with drain board, size 120x60					
		cm (48"x24") including bracket set, waste pipe and waste coupling.	4.00	No		Each	
	10/50	Droviding and fiving OD both Doors Oct and					
9	19/52	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tee stop cocks, lever type					
		Basin Mixer, double Bib Cock, open wall shower, Muslim					
		shower, waste coupling and bottle trap etc. complete in all respect					
		as approved and directed by the Engineer incharge.					
		(i) 3 No Tee Stop Cock	90.00	No		Each	
		(ii) Lever Type Basin Mixer	24.00	No		Each	
		(iii) Double Bib Cock	6.00	No		Each	
		(iv) Muslim shower	10.00	No		Each	
		v) Open Type Wall Shower	20.00	No		Each	
					1		

No.	Reff.	Description	Quantity	y	Rate	Unit	Amount
10	23/47	P/laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex/Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge. PN-20 pipe (i) (3/4") 25 mm (ii) (1") 32 mm (iii) (1-1/4") 40 mm (iv) (1-1/2") 50 mm	4000.00 3500.00 1000.00 500.00	Rft Rft Rft		Per Rft Per Rft Per Rft Per Rft	
11	23/46	(v) (2") 63 mm Providing and fixing CP heavy duty brass Ball valve with CP handle of specified diameter made of Faisal/Sonex / Master best quality or equivalent complete in all respect as approved and	500.00	Rft		Per Rft	
		directed by the Engineer Incharge. i) 1" dia ii) 1-1/4" dia iii) 1.50" dia iv) 2" dia	8.00 4.00 4.00 2.00	No No No No		Each Each Each Each	
12	19/47	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized polyvinyl Chloride) Nikasi/ waste pipe make of dadex /Popular/Beta/BBJ plain /socket ended conforming to code EN- 1401 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.					
		Type (SDR 41/SN-4) i) 3"(90 mm) ii) 4"(110 mm) iii) 6" (160 mm)	500.00 1200.00 600.00	Rft Rft Rft		Per Rft Per Rft Per Rft	
13	19/50	Providing, laying, testing and commissioning underground Yellow Polyethelene flexible gas pipe Tubing of required IPS(Iron Pipe Size) in the trenches, made of (Dadex/ Popular / Beta/ BBJ) for Gas supply i/c the cost of solvent and specials complete as approved and directed by the Engineer Incharge. SDR-11					
		(ii) 1" (iii) 1.50"	1350.00 500.00	Rft Rft		Per Rft Per Rft	
14	19/49	Providing, fixing, testing and commissioning of μ-PVC (a) P-Trap (i) 4" dia	45.00	No		Each	
		(b) Vent Cowel (i) 3" dia	15.00	No		Each	
15 16	19/13 21/1	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. Providing and laying R.C.C. pipe, moulded with cement concrete	18.00	No		Each	
10	21/1	1:1½:3. with spidot socket or collar ioint. etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" i/c carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes	E00.00	D#		D#	
17	19/27	where necessary, finishing and testing, etc., complete. 9" i/d Providing and fixing chromium plated bib cock:- 1.5 cm (½")	500.00 17.00	Rft No.		Rft Each	
17		Providing and fitting chromium plated or oxidised, gas cock	17.00	140.		Lacii	
.0	10/72	6mm (1/4") Two way	5.00	No.		Each	
						Total	

No.	Reff.	Description	Quantity	Rate	Unit Amount	_
		Electrical Work				
1	24/3	Supply and erection of PVC pipe for wiring recessed in walls,				
		including inspection boxes, pull boxes, hooks, cutting				
		jharries,and repairing surface, etc., complete with all specials.				
		i) 3/4" i/d (20 mm)	2250.00 M		Per M	
		ii) 1" i/d (25 mm)	2300.00 M		Per M	
		iii) 1.50" i/d (40 mm)	250.00 M		Per M	
		iv) 2" i/d (50 mm)	450.00 M		Per M	
2	24/6	Supply and erection of PVC pipe for recessed wiring main and				
	ii	submain) purpose, i/c bends, specials etc in floor, walls or				
		trenches:				
		3" i/d (80 mm)	800.00 M		Per M	
			000.00 11			
3	24/10	Supply and erection of single core PVC insulated copper				
5	24/10					
		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")	13500.00 M		Per M	
		ii) 7/0.74 mm (7/0.029")	5852.00 M		Per M	
		iii) 7/0.91 mm (7/0.036")	2550.00 M		Per M	
		iv) 7/1.12 mm (7/0.044")	3000.00 M		Per M	
		v) 7/1.63 mm (7/0.064")	1600.00 M		Per M	
		vi) 19/1.32 mm (19/0.052")	2100.00 M		Per M	
		vii) 19/1.63 mm (19/0.064")			Per M	
		VII) 19/1.03 IIIII (19/0.004)	1000.00 M		Perivi	
4	04/40	Cumuly and exaction of company conductor achieve for comvice				
4	24/13	Supply and erection of copper conductor cables for service				
		connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for				
		cable only):- PVC insulated, PVC sheathed 4 core, 660/1100				
		volt non armoured cable:-				
		i) 7/1.63 mm (7/0.064")	300.00 M		Per M	
		ii) 19/1.32 mm (19/0.052")	285.00 M		Per M	
5	24/30	Supply and erection of ceiling rose, bakelite.	100.00 No		Each	
6	24/103	P/F PVC double layer Switch kit Faceplate with specified				
		switch holes i/c the cost of switches / sockets / dimmer made				
		of Hi-Life / Bush / Schenider, screws complete as approved				
		and directed by the Engineer Incharge				
		a) One way Gange Switch				
		Small				
		i) 02 Gange	12.00 No		Each	
		ii) 03 Gange				
			12.00 No		Each	
		iii) Three pin Light Plug 10/13 Amp	300.00 No		Each	
		iv) Fan Dimmer	90.00 No		Each	
		v) Three Pin Power Plug 15-32 Amp	120.00 No		Each	
		Large				
		i) 04 Gange	50.00 No		Each	
		ii) 05 Gange	50.00 No		Each	
		iii) 06 Gange	120.00 No		Each	
		·				
7	24/104	P/F PVC concealed Switch kit Box i/c the cost of screws				
•	,	complete as approved and directed by the Engineer Incharge				
		i) Small	534.00 No		Each	
		ii) Large	220.00 No		Each	
		··· /··· g·	220.00 110			
8	24/102	Providing and fixing Copper winded Exhaust fan with louver				
		and shutter made of Pak/Younas/G.F.C. i/c the cost of				
		necessary cable and hardware for connection from ceiling rose				
		complete as approved and directed by Engineer Incharge.				
		a) Plastic body				
		i) 12" dia	35.00 No		Each	
			50.00 NO	•		_

No.	Reff.	Description	Quantity	Rate Unit	Amount
9	24/86	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary w wire complete in all respect as approved and directed by the			
		Engineer Incharge Single Pole 6-40 Amp (6 KA)	550.00 No	Each	
10		Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge Tripple Pole			
		i) 15-100 Amp(18 KA) ii) 125-250 Amp(18 KA)	40.00 No 40.00 No	Each Each	
11	24/88	 iii) 300-630 Amp(36 KA) Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/ABB SWITZERL(with adjustable Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, 	4.00 No	Each	
		necessary wire complete in all respect as approved and directed by the Engineer Incharge Tripple Pole With Adjustable Thermal-Magnetic Trip			
		/Electronic Trip (60-100%) 300-1000 Amp(36 KA)	2.00 No	Each	
12		 Providing and fixing DB/Panel accessories of required rating and size i/c copper screws of approved brand Complete in all respect as approved and directed by the Engineer Incharge i) Selector Switch ii) Current Transformer Coil (Make: Metelx/Fico) iii) Digital Voltmeter (0-600 Volt) iv) Digital Ammeter (0-9999 Amp) v) LED Phase Indicator vi) Exhaust Fan with Louvers (Make: Imported/Plastim) 	4.00 No 3.00 No 2.00 No 2.00 No 6.00 No 2.00 No	Each Each Each Each Each Each	
13	24/90	 P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately) i) 6" Deep 75~100A ii) 12" Deep 125~150A 	50.00 Cft 20.00 Cft	Per Cft Per Cft	
14	24/91 i-b	P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity ,Door Earthing, Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). LT Switchboards			
		3.00 Ft deep 1600~2000A	180.00 Cft	Per Cft	

No.	Reff.	Description	Quantity	Rate	Unit	Amount
1	N.S	Electrical Work (Non-Schedule) Supply & installation of LED 24W Down Light (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)	225.00 No		Each	
2	N.S	Supply & installation of LED 600 x 600mm Ceilling Panel Light 36W (220V~, CW or WW) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips RC048B or Equivalent)	50.00 No		Each	
3	N.S	Supply & installation of LED search light 100W (220V~, CW or WW) with fitting arrangement for installation on walls, parapet, pole or etc. i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips BVP 151 or Equivalent)	10.00 No		Each	
4	N.S	Providing & Fixing of LED Wall Light 15 Watt 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. (WL008C OVAL Philips)	70.00 No		Each	
5	N.S	Supply & installation of Wall Mounted LED Batten Light 20W (220V~, 6500K) Size 4 Feet long, i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Slimline or Equivalent)	340.00 No		Each	
6	N.S	Supply & installation of PVC Fan Box with iron bar i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (GM, Bita or equivalent)	90.00 No		Each	
7		Supply & installation of Ceiling Fans, 56" sweep copper winding i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Royl Fan/Deluxe, Indus/Supreme, Pak Fan/Deluxe or equivalent) Supply & installation of 2' x 2' False Ceiling Fan 18" swipe	90.00 No		Each	
		(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)	25.00 No		Each	
9	N.S	Supply & installation of Wall Bracket Fan 24" (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		Each	
10	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, 1¼" i/d GI pipe 5' long, GI tee & plug for watering also includs 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.	2.00 No		Each	
					Total	

No.	Reff.	Description	Quantity	,	Rate	Unit	Amount
1	7/30	External Civil Work Supplying and filling sand under floor; or plugging in wells.	1600.00	Cft		% Cft	
2	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1:6:12	1800.00	Cft		% Cft	
3	10/41	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	3000.00	Sft		Per Sft	
4	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	100.00	Cft		% Cft	
5	6/6	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizental shuttering) complete in all respects Type C (nominal mix 1: 2: 4)	100.00	Cft		Per Cft	
6	6/52	Providing and fixing precast Edge Kerb Stone (4"to 6" thick), of 3500 PSI Compressive Strength, embeded in PCC 1:2:4 over lean concrete 1:4:8 etc complete in all respect. With Painting 14" High (Main Path to Enterance)	400.00	Rft		Per Rft	
-		External Plumbing Work				Total	
1	3/42	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- 0 ft. to 7.0 ft. (0 to 2.10 m) depth	7500.00	Cft		%o Cft	
2	7/4	Pacca brick work in foundation & plinth:- cement, sand mortar:- Ratio 1:4	650.00	Cft		% Cft	
3 4		Cement plaster 1:3 upto 20' (6.00 mm) height:- i) 3/4" thick ii) ½" thick Excavation of trenches in all kinds of soil, except cutting	1250.00 1250.00	Sft Sft		% Sft % Sft	
		rock, for water supply pipe lines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, levelling the beds of trenches to correct grade and cutting pits for joints, etc	3500.00	Cft		%o Cft	
5	21/16	Providing and fixing cover with tee shaped C.I. frame of 22" I/d (frame weighing 37.324 Kg. or one maund as per Standard Drawing STD/PD No. 6, of 1977, complete in all respect.	20.00	No.		Each	
6	23/42	Making connection for new watersupply lines with the running main, including excavation of trench and refilling, complete, but excluding cost of pipe and specials, etc. Diameter of running main: i) upto 6" i/d (150 mm) ii) upto 8" i/d (200 mm)	1.00 2.00	Con Con		P.Con P.Con	
7	23/43	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working presure pipe in trenches. complete in all respects PN-20 (SDR-9) 3" (90mm)	250.00	Rft		Per Rft	
H						Total	

No.	Reff.	Description	Quantity		Rate	Unit	Amount
1	3/1-b	External Electrical Work					
		Earthwork excavation underessed lead upto a single throw of	3500.00	Cft		%o Cft	
		Kassi, phaorah or shovel:- In ordinary soil.					
2	24/13						
	d	Supply and erection of copper conductor cables for service					
		connection, in prelaid pipe/G.I. wire/trenches, etc. (rate					
		for cable only: PVC insulated, PVC sheathed 4 Core,					
		600/1000 volt armoured cable	175.00	М		Per M	
		150 mm (37/0.093)					
						Total	
		External Electrical (Non-Schedule)					
1	N.S	Supply and installation of 70mm ² -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	4.00	Nia		Each	
		Engineer Incharge.	4.00	INO			
						Total	

The Islamia Aniversity of Bahawalpur Construction of New Academic Block at Bahawalnagar Campus Estimate Based on MRS Junuary to June, 2023 BWN

Estimate

A)	Civil Work	
I	Schedule Items	Rs.
П	Non-Schedule Items	Rs.
	Total of Civil Work:	Rs.
B)	Electrical Work	
I	Schedule Items	Rs.
П	Non-Schedule Items	Rs.
	Total of Electrical Work	Rs.
C)	Plumbing Work	
I	Schedule Items	Rs.
II	Non-Schedule Items	Rs.
	Total of Plumbing Work	Rs.
D)	IT DATA CABELING SYSTEM	
I	Schedule Items	Rs.
	Total of IT DATA CABELING SYSTEM	Rs.
		-
	Total of (A,B,C)) KS
	Add 5 % Punjab Sales Tax	
	Add 3 % Contingency Charges	
	Grand Total	

Project Director/Coordinator

The Islamia University of Bahawalpur Construction of New Academic Block at Bahawalnagar Campus Estimate (MRS Junuary to June, 2023 BWN)

				,		Work No.06
No.	Description	Ref.	Quantity	Rate	Unit	Amount
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead 'upto one chain (30 m) and lift upto 5 ft. (1.5 m) By Excavator. In ordinary soil.	3/21.2aii	61202.17 Cft		%o Cft	
2	Spraying termite proofing by using liquid FMC / Biflex/ Terminex Exin /Ms Hextaror equivalent @ specified suspension concente rate (SC),Mixing Ability-HEXTAR with Ratio (1:250)=540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contract or for 10-years complete in all respect.as approved by the Engineer Incharge.	26/43	76466.96 Sft		P/ Sft	
3	Supplying and laying polythene sheet over D.P.C. under 'floors and on roofs, etc. 500 gauge (.005" thick)	26/37 -ii	117465.10 Sft		Per Sft	
4	Dry rammed brick or stone ballast 1.5" to 2"guage	6/2	26233.37 Cft		% Cft	
5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1:4:8 ii) Ratio 1:2:4	6/5-i 6/5-f	8181.67 Cft 12482.61 Cft		% Cft % Cft	
6	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) i) 60-Grade	6/12-c	284842.54 Kg		% Kg	
7	Providing and laying reinforced cement concrete (includingprestressed concrete), using Ordinary Portland Cement / Sulphateresisting cement / Slag cement as may be required; coarse sand andscreened graded and washed aggregate, in required shape and design,including forms, moulds, shuttering, lifting, compacting,curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- (2) Type B (nominal mix 1: 1½: 3)	6/6-aiii- 2b	25108.00 Cft		Per Cft	
8	Two coats of bitumen laid hot using 34 lbs. per %Sft, or 1.72 Kg per square meter over roof and blinded with sand at one Cft. per %Sft. (0.003 cu.m per sq.m)	9/12	35879.00 Sft		% Sft	

		1			1	Work No.06
No.	Description	Ref.	Quantity	Rate	Unit	Amount
9	Providing and laying reinforced cement concrete (includingprestressed concrete), using Ordinary Portland Cement / Sulphateresisting cement / Slag cement as may be required; coarse sand andscreened graded and washed aggregate, in required shape and design,including forms, moulds, shuttering, lifting, compacting,curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-					
	(a) (i) Reinforced cement concrete in roof slab, beams, extra. columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Type B (nominal mix 1: 1½: 3)	6/6-ai-2c				
	i) Ground Floor (1: 1½: 3)		23289.14 Cft		Per Cft	
	ii) First Floor+2nd floor (1: 1½: 3)	6/6-ai- 2c+d	25550.87 Cft		Per Cft	
10	Filling, watering and ramming earth under floors:- with surplus earth from foundation, etc.	3/15i.	20400.72 Cft		%o Cft	
11	Filling, watering and ramming earth under floors:- with new earth excavated from outside, lead up to one chain (30 m) including transportation of earth lead up to 5 mile	3/15- ii+17abc	241756.83 Cft		%o Cft	
12	Supplying and filling sand under floor; or plugging in wells.	7/30	13583.98 Cft		% Cft	
13	Pacca brick work in foundation and plinth in:- Cement, sand mortar:- Ratio 1:4	7/4-i	19100.95 Cft		% Cft	
14	Providing and laying damp proof course of cement concrete1:2: 4(using cement, sand and shingle), including bitumencoating :(a) with one coat bitumen and one coat polythene sheet 500gauge i) 1 ¹ / ₂ " thick (40 mm)	6/36.a, i	1908.68		% Sft	
15	Pacca brick work in Cement, sand mortar:- Ratio 1:4		Sft			
	i) Ground Floor	7/5-i	22603.52 Cft		% Cft	
	ii) First Floor	7/5-i+6i	24580.02 Cft		% Cft	
	iii) 2nd Floor	7/5-i+6ii	4355.49 Cft		% Cft	
16	Extra for pacca brick work in staining of wells or any other circular masonry.	7/10	10719.21 Cft		% Cft	
17	Providing and fixing mild steel chowkat of doors, windows, C.window, etc. including holdfast, making and threading holes for hinges, etc. complete: M.S. angle iron 1½"x 1½"x ½" (40x40x6 mm) welded with M.S. flat 2"x ¼"	12/15- a	5188.00 Sft		Per Sft	
18	Cement plaster Ratio (1:4) Upto 20' heights a)1/2" Thick	11/9-b	116213.65 Sft		% Sft	
	Cement plaster Ratio (1:4) Upto 20' height b) 3/4" Thick	11/9-c	46382.32 Sft		% Sft	
	ii) 3/4"Upto 20' to 30' heights	11/9c+11 /28	11417.58 Sft		% Sft	

		1				Work No.06
	Description	Ref.	Quantity	Rate	Unit	Amount
19	3/8" thick cement plaster under soffit of RCC roof slabs Ratio 1:3 upto 20' height i) Ground Floor	11/10-b	31455.29 Sft		% Sft	
	ii) First Floor	11/10-b +11/28	31675.15 Sft		% Sft	
20	First class brick walling laid in 1:3 cement sand mortar, reinforced with 1" (25 mm) wide 18 gauge hoop iron:- 4½" (113 mm) thick walling with hoop iron, bonding 12" (300 mm) apart. i) Ground Floor +Ist Floor	7/21-ii	10719.21 Sft		% Sft	
21	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation/Foam Board on roof or walls,Density32-38Kg/M,compressive strength250-400kpa,R-value 5 per inch thickness and water absorption (1% by volume, cell structure colored cell) i/c cutting and placing in position. complete in all respect. 1.5" thick	9/45b	27779.84		% Sft	
22	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof 'slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.mbitumen coating sand blinded.	9/5.	27779.84		% Sft	
23	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1: 4: 8	6/3b	2670.13 Cft		% Cft	
24	Providing and fixing terrace railing of 2" (50 mm) i/d conduit pipe 16 SWG, welded with 5/8"x5/8" (16x16 mm) square bar 2.75 ft. (838 mm) high fixed at 5" (125 mm) centre to centre, in reinforced cement concrete slab with suitable arrangement, complete in all respects, as per design and drawing.	25/35	701.00 Rft		P/Rft	
25	Providing and fixing stair railing of 2½" (63 mm) i/d G.I. pipe, welded with 5/8"x5/8" (16x16 mm) square M.S. bars 2'-9" (838 mm) high, fixed in each step, complete in all respects, including painting, polishing three coats.	25/39	350.22 Rft		P/Rft	
26	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- 0 ft. to 7.0 ft. (0 to 2.10 m) depth	3/42-i	16518.84 Cft		%o Cft	
27	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels. Size 11⁄2" x 3/8" (40 x 10 mm)	10/40- a	2622.00 Rft		P/Rft	
28	Providing and laying topping of cement concrete 1:2:4,including surface finishing and dividing in panels:- 11/2"(40 mm) thick	10/15-c	9573.00 Sft		% Sft	
29	Preparing surface and painting with emulsion paint:- new surface 3 coats	13/31	179344.09 Sft		% Sft	
30	Extra for making and finishing benching floor manhole chamber, with 1/8" thick work in cement finish	21/9	108.42 Sft		% Sft	

						Work No.06
No.	Description	Ref.	Quantity	Rate	Unit	Amount
31	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.	25/10+ 25/11	16381.50 Kg		% Kg	
32	Preparing surface and painting of doors and windows any type (including edges):- new surface 3 coats	13/5-c i+ii+ii	310.94 Sft		% Sft	
33	P/F3/4"dia heavy duty sliding bolt of specified material i/c thecost of hardware complete in all respect as approved and directed by the Engineer Incharge.					
	i) Brass ,12" (300 mm) long	12/61- B-ii	111.00 No		Each	
	ii) 10" (250 mm) long	12/61- B-i	103.00 No		Each	
34	Second class tile roofing consisting of 4" (100 mm) earth and 1" (25 mm) mud plaster with Gobri leaping over ½" (13 mm) thick cement plaster 1:6 with 34 lbs. per %Sft or 1.72 Kg/sq.m of hot bitumen coating sand blinded, provided over one layer of 12"x6"x2" (300x150x50 mm) tiles laid in 1:6 cement mortar, including 1:2 cement pointing underneath of tiles complete including curing, etc.	9/2	930.06		% Sft	
35	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	9/15	Sft 35.00		Each	
36	Providing and fixing theremopore (foamed polythene) sheet in horizontal and vertical expansion joints: 1" (25 mm) thick thermopore sheet	6/35.a	No 1536.00 Sft		Per Sft	
37	Providing and fixing 6 in(150 mm). wide curved sheet of required shape fixed on face of the construction joint with G.I.screw,1.5 in (40 mm) long to cover construction joints vertically:- G.I. sheet, 18 SWG	6/27-ii	1212.68 Rft		Per Rft	
38	Providing and layingTuffpavers,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	10/41.b	11423.00 Sft		Per Sft	
39	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:new surface, 2 coats	13/33.A,i +ii	46004.83 Sft		% Sft	
40	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick(1:3)cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge.Full body Glazed tiles.600mmx 600 mm					
41	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (a) 3/8" Squar Bars	10/42aii 25/59.i	53027.47 Sft 4477.56		Per Sft	

					1	Work No.06
No.	Description	Ref.	Quantity	Rate	Unit	Amount
42	Providing and fixing 2 mm thick Double glazed aluminium windows of anodized / powder coated bronze colour partly fixed and party sliding using deluxe section of 100mm x 40mm x2 mm using frame (70501) at bottom, (70502) at Top & Side made of Pakistan Cables/Alcop having Leaf Frame size 31mm x 60mm x2 mm (70506) at Top & Bottom, 35mm x 60mm x2 mm (70505) at center and 35mm x 60mm x2 mm(70503) at sides , fixing 5 mm thick imported tinted double glass and air tight using double tape, chemical strips, Silicon using approved latches, wheels for channel, stopper, brush channel angle joint and hardware etc (excluding the cost of Fly Proofing). Complete in all respect as approved and directed by the Engineer Incharge.	25/56.	4477.56 Sft		Per Sft	
43	Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour/powder coated of size 1-1/2"x1/2" and 1.6 mm thick with rubber gasket i /c cost of Hardwares as approved and directed by the engineer incharge complete in all respect.	25/53.	2238.78		Per Sft	
44	Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bolt,lock and chowkats (frame), etc.) as approved and directed by the Engineer Incharge.b) Oak/Ash wood Door (iii) 1-1/2" thick (40 mm)	12/7.b.iii	4306.00		Per Sft	
45	Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as perapproved design with adhesive bond, over 3/4" thick(1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge.12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	10/24.i	Sft		Per Sft	
46	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy/Matt/Texture skirting / dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cemen tplaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer	10/24.1	2804.00 Sft		Per Sft	
47	Incharge.12"x18"/12"x24"/10"x24" /8"x24"/12"x36" Providing embeding 10" (250 mm) wide ¼" (6 mm)	10/25.i	8620.00 Sft		Per Sft	
40	thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.	6/31.	350.00 P/Rft		Per Rft	
48	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed ,complete in all respect as approved and directed by the Engineer Incharge.3/4" thick	10/50.i	1742.00 Sft		Per Sft	

No.	Description	Ref.	Quantity	Rate	Unit	Work No.0 Amount
49	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carbor and amdisc as approved and directed by the Engineer Incharge.		450.00 Rft		Per Rft	
50	Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2'/2'x3'/3'x3' of specified designand thickness i/c cost of fixtures i.egalvanized angle1"x1"at wall sides,galvanized tee 1¼"x1" and 1½"x1" both at 4' c/c (made of Taiwan CKM or equivalent) ,hanging with G.I /Copper wire16SWG ,G.I hook, Rawal Plug etc:complete in all respects as approved and directed by the Engineer Incharge.9mm thick	9/48.iii	2500.00		Per Sft	
51	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all	10/43.a.ii	Sft			
	respect as approved and directed by the Engineer Incharge.a) Full body Glazed Tile 600mmx 600 mm		10500.00 Sft		Per Sft	
52	Preparing surface and Lacquar polish to reveal wooden grains by application of multiple coats of wood sealer , sand papering with different no of sandpapers and Lacquar to make glossy surface finish i/c the cost ofcotton, thinner, wood sealer complete in all respects as approved anddirected by the Engineer Incharge.(ii) Glossy Finish	13/44.ii	9500.00 Sft		Per Sft	
53	First class teak wood wrought joinery in doors and windows, etc. panelled, panelled and glazed or fully glazed and fixed in position, including chowkat, holdfast,tower bolt, chocks, rubber stop, cleats/G.I. clamps,chords with hooks, nails, screws, etc. complete (excluding sliding bolt and lockiii) 1½" (40 mm) thick					
- 4	Description and each time well with a flower thick was	12/3.iii	350.00 Sft		Per Sft	
54	Providing and applying wall putty of 2mm thick ness over plaster ed surface(new surface) to prepare the surface even and smooth complete in all respect.	13/46	179344.09 Sft		P/Sft	
55	Providing and fixing Vin board cabinet 3/4" thick with drawers 3"deep in 'Kitchen including termite proofing & polishing with synthetic enamel as specified, with hinges,screws etc., complete in all respects	12/59				
	i) 2' deep,without back ii)2' deep,with back		100.00 125.00 Sft		P/Sft P/Sft Total	
	Civil Work (Non Shedule Item)				Total	
1	Construction of Fiber Glass 3/4" thick Dom on already prepared rigid circular base of 1st Floor as per drawing & approved by the Engineer Incharge.	NS	1350.00 Sft		Per Sft	
2	Providing & Fixing uPVC door 1.25" thick wooden colour i/c hinges kik plate, door handle with locking arrangement complete in all respects.	NS	1067.50 Sft		Per Sft	
3	Subsequent carriage of crushed stone aggregate total distance from Sargodha to Bahawalnagar IUB Campus at site of work average 278 KM	NS	110714.77		%Cft	

No. Description Ref. Quantity Rate Unit Amount Electrical Work (Schedule Items) Crit Total Total Total 1 Supply and erection of PVC pipe for wiring recessed in wells. Including inspection backs, pull boxes, hosts, cutting jharries and repaining surface, etc., complete with all specials. 24/3-4 24/3-7 24/3-7 Per Rit ii) 1' tid (25 mm) 24/3-4 24/3-7 78,7 Per Rit iii) 1.5' tid (40 mm) 24/3-4 1550.00 Rit Per Rit iii) 1.5' tid (40 mm) 24/3-4 1550.00 Rit Per Rit iii) 1.5' tid (40 mm) 24/3-4 1550.00 Rit Per Rit iii) 1.5' tid (40 mm) 24/3-4 1550.00 Rit Per Rit iii) 70.74 mm (7/0.020°) 24/10-4 1881.00 Per Rit iii) 70.74 mm (7/0.020°) 24/10-4 1884.00 Per Rit iii) 70.91 mm (7/0.041°) 24/10-4 1880.00 Per Rit supply and erection of copper conductor cables for services cornection. In preliad pupe(3.1. werehenches, etc. (rate for cable only)) 16 mm (7/0.041°) 3 Supply and erection of copper conductor cables for services cornecond, in preliad pupe(3.1. werehenches, etc. (rate for cable only))							Work No.06
Electrical Work (Schedule Items) Total 1 Supply and erection of PVC (pipe for wring recessed in walls, including inspection boxes, pull boxes, hooks, cutting iherrises and repairing surface, etc., complete with all specials. 24/3-1 24/509.57 Per Rft ii) 1*1/d (25 mm) 24/3-ii 24/3-ii 24/509.57 Per Rft iii) 1.5*1/d (40 mm) 24/3-ii 24/3-ii 27/547.33 Per Rft v) 2*1/d (50 mm) 24/3-viii 1550.00 Per Rft 2 Supply and erection of single core PVC insulated cooper conductor cables in periad PVC pipe/M.S. conduttor antipe, in periad PVC insulated io 30:07 4mm (7/0.039') 24/10-viii 7851.00 Per Rft iii) 7/0.74 mm (7/0.039') 24/10-viii 7851.00 Per Rft Rft v) 7/1.12 mm (7/0.036') 24/10-viii 18800.00 Per Rft supply and erection of single core PVC insulated, PVC sheathed cooper conductor, cables for services connection, in preliad ippe/G.I. wrietherohes, etc. (rate for cable only) 24/10-viii 18800.00 Per Rft 4 Supply and erection of copper conductor cables for services connection, in preliad ippe/G.I. wrietherohes, etc. (rate for cable only/PC insulated, PVC sheathed coce, e00/100 vint on armound cable: 240 mm sq. (37/0.114) 24/13-viiii 24/13-viiiii 5 Supply and erection of copp	No.	Description	Ref.	Quantity	Rate	Unit	Amount
Electrical Work (Schedule Items) Supply and reaction of PVC pipe for wing recessed in walls, including inspection boxes, pould boxes, hoods, authing harrises, and repairing 24/3-1 24/50.67 Per Rtt ii) 1*/id (25 mm) 24/3-i 24/3-3 37547.33 Per Rtt iii) 1.5* 'id (40 mm) 24/3-i 24/3-i 7557.73 Per Rtt iii) 1.5* 'id (40 mm) 24/3-i 7550.00 Per Rtt iv) 2* 'id (50 mm) 24/1-i 7850.00 Per Rtt 2 Supply and erection of single core PVC insulated composition (10, 029*) 24/10-ii 7851.00 Per Rtt iv) 7.0.74 mm (70.029*) 24/10-ii 7861.00 Per Rtt iv) 7.1.12 mm (70.041*) 24/10-ii 7861.00 Per Rtt v) 7.1.12 mm (70.044*) 24/10-ii 8314.00 Per Rtt 3 Supply and erection of single core PVC insulated: Rtt Per Rtt iv) 7.1.12 mm (70.044*) 24/10-iv 1869.00 Per Rtt 3 Supply and erection of copper conductor: 68041100 voits grade cober on policy: PVC insulated; run for cobine only: P/C insulated; run for cobine only: P/C insulated; run for cobine only: iv) 71.1.2 mm (70.064*) 24/10-iv 1869.00 Per Rtt 3 Supply and erection of copper conductor cables in run for cobine only: P/C instand copper conduct				Cft			
1 Supply and erection of PVC pipe for wining recessed in walls, including inspection boxes, pull boxes, hooks, cutting iherrises and repairing surface, etc., complete with all specials. 24/3-i 25/5-47.33 Per Rt ii) 1.5 ⁻¹ i/d (40 mm) 24/3-i 24/3-i 1550.00 Per Rt Rt Per Rt ii) 1.5 ⁻¹ i/d (40 mm) 24/3-vi 1550.00 Per Rt Rt Per Rt iii) 7.0 ⁻¹ d mm (7/0.029 ⁻¹) 24/10-vi 18649.00 Per Rt Rt iii) 7/0.74 mm (7/0.029 ⁻¹) 24/10-vi 18649.00 Per Rt Rt iii) 7/0.74 mm (7/0.036 ⁺¹) 24/10-vi 18649.00 Per Rt Rt iii) 7/0.74 mm (7/0.044 ⁺¹) 24/10-vi 18649.00 Per Rt iii) 7/0.74 mm (7/0.044 ⁺¹) 24/10-vi 18649.00 Per Rt iii) 7/1.12 mm (7/0.044 ⁺¹) 24/10-vi 18649.00 Per Rt iiiiiiiiiii 16 malf eleef.iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii		Electrical Work (Schodula Itama)				Total	
recessed in walls, including inspection boxes, pull boxes, hooks, outing james, and repairing 24/3-i 1500.00 Per Rt iii) 1.5' iid (40 mm) 24/3-i 1550.00 Per Rt Rt Image: and the per Rt 2 Supply and erection of single core PVC insulated copper conductor cables, in preliaid PVC pipe/M.S. condult/G.1 pipe/wooden strip batten/wooden 24/10-ii 79851.00 Per Rt i) 70.74 mm (7/0.029') 24/10-ii 38314.00 Per Rt Rt ii) 7/0.91 mm (7/0.036') 24/10-ii 38314.00 Per Rt Rt yoy and erection of single core PVC insulated, inper 40.000 volts grade cable, in preliaid pPC 1.0000 volts grade cable, in preliaid pPC 1.00000 volts grade cable, in preliaid pPC 1.000000 volts grade cable, in preliaid pPC 1.000000 volts grade cable, in preliaid pPC 1.00000000000000000000000000000	1						
boxes, hooks, cutting inarries, and repairing surface, complete with all specials.24/3-24/50,57Per Rtii) 1.5' l/d (40 mm)24/3-ii37547.33 RT RtPer Rtiii) 1.5'' l/d (40 mm)24/3-vi10500.00 RT RtPer Rtiii) 1.5'' l/d (40 mm)24/3-vi10500.00 RtPer Rtiii) 1.5'' l/d (40 mm)24/3-vi1550.00 RtPer Rtiii) 1.5'' l/d (40 mm)24/3-vi1550.00 RtPer Rtiii) 1.5'' l/d (40 mm)24/3-vi1550.00 RtPer Rtiii) 7.0'' d more conductor cables in prelial PVC pipelM.S. condult/G1 pipe/wooden strip batten/wooden cabies only, 220/44/ 0x08, PVC insulated. (i) 300.74 mm (70.029')24/10-ii79851.00 RtPer Rtiii) 7.0.94 mm (70.029')24/10-ii79851.00 RtPer RtPer Rtiii) 7.0.94 mm (70.036')24/10-vi18649.00 RtPer Rtiii) 7.0.94 mm (70.044')24/10-vi18649.00 RtPer Rtiii) 1.6'' mm (70.044')24/10-vi18649.00 RtPer Rtiii) 1.6'' mm (70.044')24/12-vi14750.00 RtPer Rtiiii wirterches, etc. (rate for cable only) viot non amound cable-: 240 mm sq (370.114)24/13-ci656.00 RtPer Rtiiii wirterches, etc. (rate for cable only): PVC shathed 4 one, 660/100 vot non amound cable-: virefrenches, etc. (rate for cable only): PVC insulted.PVC shathed 4 one, 660/100 vot non amound cable-: Viot	•						
i) 3/4" lid (20 mm)24/3-lid24/3-lid24/3-lid24/3-lidPer Ritii) 11" lid (25 mm)24/3-lid37547.33 87647.33Per Ritiii) 1.5" lid (40 mm)24/3-vid10500.00 RitPer Ritiv) 2" lid (50 mm)24/3-vid10500.00 RitPer Rit2Supply and erection of single core PVC insulated conduitor cables, in preliad PVC pipe/M.S. conduitor (3) pipe/woden strip batten/woden cables only). 250/44 0 visit pip batten/woden cables only). 250/44 0 visit pip batten/woden cables only). 250/44 0 visit pip batten/woden RitPer Ritii) 7/0.74 mm (7/0.028")24/10-vid78851.00 RitPer Ritiii) 7/0.91 mm (7/0.036")24/10-vid18649.00 RitPer Ritv) 7/1.12 mm (7/0.044")24/10-vid18649.00 RitPer Rit3Supply and erection of single core PVC insulated coables only bipe/G.1. wire/trenches, etc. (rate for cable only) i) 16 mm (7/0.044")24/10-vid18640.00 Rit4Supply and erection of copper conductor cables for services conduits/ PVC pipe/G.1. wire/trenches, etc. (rate for cable only) i) 16 mm (7/0.044")24/13-cid255.00 RitPer Rit5Supply and erection of copper conductor cables realied nulp/VC insulated vore, 600/100 volts realied service connection, in preliad pipe/G.1. wire/trenches, etc. (rate for cable only) i) 16 mm (7/0.054")Per RitPer Rit6Supply and erection of copper conductor cables realied nulp/VC insulated to reable only). PVC realied regit/VC insulated to reable only. PVC realied regit/VC insulated to reable only. PVC realied regit/VC insulated							
ii) 1* i/ i/ 2 mm Rt Per Rt iii) 1.5* i/ d (40 mm) 24/3-ii 37547.33 Rt Per Rt iii) 1.5* i/ d (40 mm) 24/3-v 10500.00 Rt Per Rt v) 2* i/d (50 mm) 24/3-v 1550.00 Rt Per Rt 2 Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. condult/G1 pipe/wooden strip batter/wooden casing an capping/G1. wire/frenches (rate for cables only). 250/440 volts, PVC insulated: 24/10-ii 78851.00 Rt Per Rt ii) 7/0.74 mm (7/0.029") 24/10-ii 78851.00 Rt Per Rt iii) 7/0.91 mm (7/0.036") 24/10-ii 18649.00 Rt Per Rt iv) 7/1.12 mm (7/0.044") 24/10-ii 18649.00 Rt Per Rt 3 Supply and erection of single core PVC insulated copper conductor, 680/1100 volts grade cable, in prelaid G1, pipe/M.S. conduits/ PVC pipe/G1.wire/trenches, etc (rate for cable only) 24/12-iv 14750.00 Rt Per Rt 4 Supply and erection of copper conductor cables for services connection, in prelaid pipe/G1. wire/trenches, etc. (rate for cable only) 24/13-c 656.00 Rt Per Rt 5 Supply and erection of copper conductor cables for service connection, in prelaid pipe/G1. wire/trenches, etc. (rate for cable only): PVC insulated.PVC sheathed 4 core, 660/100 volt non armoured cable 240 mm sq. (37/0.114) 24/13-c 656.00 Rt Per Rt 6 Supply and erection							
ii) 1* i/d (25 mm)24/3-ii37547.33 Rft Rft 1550.00Per Rft Per Rftiii) 1.5* i/d (40 mm)24/3-v10500.00 RftPer Rft Rft2Supply and erection of single core PVC insulated coopper conductor cables, in prelat PVC pipe/M.S. condult/0.15 pipe/woden strip batter/wooden cables only. 250/440 volts, PVC insulated: i) 3/0.74 mm (3/0.029")24/10-ii79851.00 RftPer Rft Rftiii) 7/0.74 mm (7/0.029")24/10-ii38314.00 RftPer Rft Rftiii) 7/0.91 mm (7/0.036")24/10-vi18649.00 RftPer Rft Rft3Supply and erection of single core PVC insulated. PVC sheathed copper conductor, 680/1100 volts grade cable, in prelat GL, pipe/M.S. condults/ PVC pipe/G.I. wire/trenches, etc. (rate for cable only) i) 16 fm (r/0.064")24/10-vi18649.00 Rft4Supply and erection of single core PVC insulated. roable only/PVC insulated, CL, wire/trenches, etc. (rate for cable only) i) 16 fm (r/0.064")24/12-vi14750.00 RftPer Rft5Supply and erection of copper conductor cables for services cable only/PVC insulated, CL, wire/trenches, etc. (rate for cable only) ive/trenches, etc. (rate for cable only). PVC insulated. PVC sheathed 4 core, 600/100 with non amored cable:- cable only/PVC insulated, PVC sheathed 4 core, 600/100 with non amored cable:- cable only/PVC insulated, PVC sheathed 4 core, 600/100 with non amored cable:- cable only/PVC insulated, PVC sheathed 4 core, 600/100 with non amored cable:- cable only/PVC insulated, PVC sheathed 4 core, 600/100 with non amored cable:- cable only/PVC insulated, PVC sheathed 4 core, 600/100 with non amored cable:- cable in all respects as approved and dire		i) 3/4" i/d (20 mm)	24/3-i			Per Rft	
iii) 1.5" lid (40 mm) 24/3-v Rt 10500.00 Rt Per Rt Rt iv) 2" lid (50 mm) 24/3-vi 1550.00 Rt Per Rt 2 Supply and erection of single core PVC insulated copper conductor cables, in preliaid PVC pipe/M.S. conduit/G.1 pipe/wooden strip batten/wooden casing an capping/G.1. Wire/trenches (rafe for cables only). 250/440 volts, PVC insulated: 24/10-ii 79851.00 Rt Per Rt ii) 7/0.74 mm (7/0.029") 24/10-ii 38314.00 Rt Per Rt iii) 7/0.91 mm (7/0.036") 24/10-ii 18849.00 Rt Per Rt v) 7/1.12 mm (7/0.044") 24/10-vi 18849.00 Rt Per Rt 3 Supply and erection of single core PVC insulated, PVC sheathed copper conductor cables for services connection, in prelaid GLI. pipe/M.S. conduits PVC pipe/G.1. wire/trenches, etc. (rate for Cable only) 24/12-vi 18750.00 Rt Per Rt 4 Supply and erection of copper conductor cables for services connection, in prelaid GLI wire/trenches, etc. (rate for cable only) 24/13.c 656.00 Rt Per Rt 5 Supply and erection of button holder.bakelite large size 24/13.c 24/13.c 656.00 Rt Per Rt 6 Supply and erection of button holder.bakelite large size 24/30 36.00 No Each No No 7 Supply and erection of button holder.bakelite large size 24/30 36.00 No Each No No 8 PyP floor mounted Electri		ii) 1" i/d (25 mm)	24/3-ii			Per Rft	
iv) 2" id (50 mm) Rft Per Rft iv) 2" id (50 mm) 24/3-vi 1555.00 Rft Per Rft iv) 2" id (50 mm) Rft Per Rft iv) 20140 volts, PVC insulated: Per Rft Per Rft iv) 30.74 mm (3/0.029") 24/10-iv 79851.00 Rft Per Rft iv) 7/0.74 mm (7/0.036") 24/10-iv 18649.00 Rft Per Rft iv) 7/1.12 mm (7/0.034") 24/10-iv 18600.00 Rft Per Rft 3 Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 660/1100 volts grade cable, in preliat G.I. pipe/M.S. conduits/ PVC pipe/G.I. wire/trenches, etc (rate for cable only) 24/12-iv 14750.00 Rft Per Rft 4 Supply and erection of copper conductor cables for services comection, in preliad pipe/G.I. wire/trenches, etc. (rate for cable only) 24/13-c 656.00 Rft Per Rft 5 Supply and erection of copper conductor cables for service connection, in preliad pipe/G.I. wire/trenches, etc. (rate for cable only): - PVC insulated, PVC shashed 4 core, 660/1100 volt non ammored cable: - 24/30 M 24/13-c 656.00 Rft 6 Supply and erection of copier conductor cables for service connection, in preliad pipe/G.I. wire/trenches, etc. (rate for cable only): - PVC insulated, PUC							
iv) 2" Vid (50 mm) 24/3-vi Rt 1550.00 Rt Per Rt 2 Supply and erection of single core PVC insulated conduit(S1 pipe/woden strip batten/woden cables only). 250/44 0v08. PVC insulated: 24/10-ii Rt i) 3/0.74 mm (3/0.029") 24/10-ii 79851.00 Rt Per Rt ii) 7/0.74 mm (7/0.036") 24/10-ii 38314.00 Rt Per Rt iii) 7/0.74 mm (7/0.044") 24/10-ii 38314.00 Rt Per Rt iii) 7/0.74 mm (7/0.044") 24/10-ii 8649.00 Rt Per Rt iii) 7/0.91 mm (7/0.044") 24/10-ii 8649.00 Rt Per Rt iii) 7/0.94 mm (7/0.044") 24/10-vi Rt Rt Per Rt 3 Supply and erection of single core PVC insulated, PVC sheathed coper conductor cables for services connection, in preliad pipe/G.I. wire/trenches, etc. (rate for cable only) Per Rt Per Rt 4 Supply and erection of copper conductor cables for services connection, in preliad pipe/G.I. wire/trenches, etc. (rate for cable only) 24/13.c 656.00 Rt Per Rt 5 Supply and erection of copper conductor cables for service connection, in preliad pipe/G.I. wire/trenches, etc. (rate for cable only):-PVC multities of the cable only:-PVC heathed 4 core, 600/100 volt non amored cable:- vic rifts and rifts, fabricated with 145WC M.S sheet (fndoor/Outdoor Type),derusting, zinc Phosphated, finish with e		iii) 1.5" i/d (40 mm)	24/3-v			Per Rft	
2 Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.1 pipe/wooden strip batten/wooden casing an capping/G.1. wire/trenches (rate for cables only). 250/440 volts, PVC insulated: i) 3/0.74 mm (3/0.029") Rt Per Rt ii) 7/0.74 mm (7/0.039") 24/10-ii 38314.00 Rt Per Rt iii) 7/0.91 mm (7/0.036") 24/10-ii 18849.00 Rt Per Rt iii) 7/1.12 mm (7/0.044") 24/10-ii 18649.00 Rt Per Rt 3 Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 660/1100 volts grade cable, in prelaid G.I. pipe/M.S. conduits/ PVC pipe/G.I. wire/trenches, etc (rate for cable only) 24/12-ii 14750.00 Rt Per Rt 4 Supply and erection of copper conductor cables for services connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)PVC insulated, PVC sheathed 4 core, 600/1000 volt non armored cable:- '71.63 mm (7/0.064") 24/13.c 666.00 Rt Per Rt 5 Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulate, PVC sheathed 4 core, 660/1100 volt non armored cable:- '71.63 mm (7/0.064") 24/13.c 666.00 Rt Per Rt 6 Supply and erection of button holder bakelite large size (rdoor/Udtoor Type, derusting, zince flows for services connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulate, PVC sheathed 4 core, 600/1100 volt non armored cable:- '71.63 mm (7/0.064") 24/30 No			04/0	-		D D#	
2 Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batter/wooden cables only). 250/440 volts, PVC insulated: i) 3/0.74 mm (3/0.029") 24/10-i 79851.00 Rft Per Rft ii) 7/0.74 mm (7/0.029") 24/10-iii 38314.00 Rft Per Rft iii) 7/0.91 mm (7/0.036") 24/10-iii 188649.00 Rft Per Rft iii) 7/0.91 mm (7/0.044") 24/10-iii 18800.00 Rft Per Rft 3 Supply and erection of single core PVC insulated. PVC sheathed copper conductor, 660/1100 volts grade cable, in prelaid G.I. pipe/M.S. conduits/ PVC pipe/G.I. wire/trenches, etc (rate for cable only) 24/12-iv 14750.00 Rft Per Rft 4 Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)PVC insulated. PVC sheathed core, 600/100 volt non ammored cable:- 71.03 mm (70.064") 24/13-c 656.00 Rft Per Rft 5 Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core, 600/100 volt non ammored cable:- 71.03 mm (70.044") 24/13-c 656.00 Rft Per Rft 6 Supply and erection of button holder bakelite large size (ndoor/Voltoor Type)-qloued, indication lights, thinbles, Copper Comb, Wing, Netural & Earth Bar, glands, Current Transformers of specified capacity ,Door Earthing, Brass glands, bus		iv) 2° i/d (50 mm)	24/3-1			Per Rft	
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) 30.74 mm (30.029")24/10-ii 79851.00 RtPer Rttii) 7/0.74 mm (37.029")24/10-ii 83314.00Per Rttiii) 7/0.91 mm (7/0.036")24/10-ii 844.008849.00 Rtiii) 7/0.91 mm (7/0.036")24/10-ii 844.00Rtiii) 7/0.91 mm (7/0.044")24/10-ii 16800.00Per Rttiii) 7/0.91 mm (7/0.044")24/10-ii 16800.00Per Rttiii) 7/0.91 mm (7/0.064")24/10-ii 16800.00Per Rttiiii for more conductor, 660/1100 volts grade cable, in prelaid G.I. pipe/M.S. conduits/ PVC pipe/G.I. wire/trenches, etc. (rate for cable only)24/12-iv 14/750.00iiii for more connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)PVC insulated, PVC sheathed 4 core, 600/1000 volt non armoured cable:-: 240 mm sq. (37/0.114)24/13.ciiii for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core, 680/1100 volt non armored cable:- 7/1.83 mm (7/0.064")24/13.ciiii for wire/tenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core, 680/1100 volt non armored cable:- 7/1.83 mm (7/0.064")24/13.ciiiii wire/tenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core, 680/1100 volt non armored cable:- 7/1.83 mm (7/0.064")24/13.ciiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	2	Supply and erection of single core PVC insulated		rut.			
casing an capping/G1. Wire/trenches (rate for cables only), 250/440 volts, PVC insulated: 1) 30.74 mm (30.029')24/10-ii79851.00 RtPer Rftii) 7/0.74 mm (7/0.029')24/10-iii38314.00Per Rftiii) 7/0.91 mm (7/0.036')24/10-iii18649.00Per Rftiii) 7/0.91 mm (7/0.036')24/10-iii18649.00Per Rftiv) 7/1.12 mm (7/0.044'')24/10-iv18680.00Per Rft3Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 660/1100 volts grade cable, in prelaid G1, pipe/M.S. conduits /PVC pipe/G1. Wire/trenches, etc (rate for cable only)24/12-iv14750.00Per Rft4Supply and erection of copper conductor cables for services connection, in prelaid pipe/G1. Wire/trenches, etc. (rate for cable only)PVC insulated, PVC sheathed 4 core, 680/1000 volt non armoured cable: - 240 mm sq (37/0.114)24/13.c656.00Per Rft5Supply and erection of copper conductor cables for service connection, in prelaid pipe/G1. wire/trenches, etc. (rate for cable only): - PVC insulated, PVC sheathed 4 core, 680/100 volt non armored cable: - 71.63 mm (7/0.064'')24/13.c656.00Per Rft6Supply and erection of button holder.bakelite large size (indoor/Outdoor Type), derusting, zinc Phosphated, finish with electric static powder coating in approved colour it the cost of Lock, Indication lights, thimbles, Qapands, Current Transformers of specified capacity p.Door Earthing, Brass glands, bus bars.controles competein all respects as approved and directed by the Engineer Incharge (Braekers with Be Paid Separately).3.00 FI deep 2500-3200A (4.5'x7'x3')24/13.c6 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
cables only). 250/440 volts, PVC insulated: i) 3/0.74 mm (3/0.029")24/10-ii79851.00 RtPer Rftii) 7/0.74 mm (7/0.029")24/10-iii38314.00 RtPer Rftiii) 7/0.91 mm (7/0.036")24/10-iii38649.00 RtPer Rftiv) 7/1.12 mm (7/0.044")24/10-ivi18649.00 RtPer Rft3Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 660/1100 volts grade cable, in prelaid G.I. pipe/M.S. conduits/ PVC pipe/C.I. wire/trenches, etc (rate for cable only) i) 16 mm (7/0.064")24/12-ivi14750.00 Rft4Supply and erection of copper conductor cables for services connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)PVC insulated, PVC sheathed 4 core, 600/1100 volt volt non armoured cable: 240 mm sq. (37/0.114)24/13.c656.00 RftPer Rft5Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core, 660/1100 volt non armored cable:- 71.63 mm (7/0.064")24/13.c656.00 RftPer Rft6Supply and erection of button holder.bakelite large size (Indoor/Outdoor Type), derusting, zinc Phosphated, finish with electro static powder coating in approved colour if the cost Static powder coating in							
i)3/0.74 mm (3/0.029")24/10-ii78851.00 Rt 38314.00 RtPer Rtii)7/0.74 mm (7/0.036")24/10-ii38314.00 RtPer Rtiii)7/0.91 mm (7/0.036")24/10-ii18649.00Per Rtiii)7/1.12 mm (7/0.044")24/10-ii18649.00Per Rt3Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 680/1100 volts grade cable, in prelaid G1. pipe/M.S. conduits/ PVC pipe/G1. wire/trenches, etc (rate for cable only)24/12-ii14750.00 RtPer Rt4Supply and erection of copper conductor cables for services connection, in prelaid pipe/G1. wire/trenches, etc. (rate for cable only)PVC insulated, PVC sheathed 4 core, 600/1000 volt non armoured cable:-:-240 mm sq (37/0.114)24/13-c656.00 RtPer Rt5Supply and erection of copper conductor cables for services connection, in prelaid pipe/G1. wire/trenches, etc. (rate for cable only): PVC insulated, PVC sheathed 4 core, 600/1000 volt non armoured cable:- 71.63 mm (70.064")Per Rtt24/13-c6Supply and erection of button holder.bakelite large size (Indor/Outdoor Type), derusting, zinc Phosphated, finish with electro static powder coating in approved colour it che cost of Lock, Indicatin lights, thimbles, Query caper Cambel 3.Per Rtt7Supply and erection of specified capacity _Door Earthing, Brass glands, bus bars.controles competein in all respects as approved and directed by the Engineer Incharge (Braekers will be Paid Separately).3.00 Ft deep 2500-3200A (4.5'x7'x3')24/13-c8Pyt.floor Termer Transformers of specified capacity Door Earthing, B		0 11 0 X					
RftPer Rftii) 7/0.74 mm (7/0.029")24/10-ii38314.00Per Rftiii) 7/0.91 mm (7/0.036")24/10-iv18649.00RftPer Rftiv) 7/1.12 mm (7/0.044")24/10-iv18649.00RftPer Rft3Supply and erection of single core PVC insulated, pripe/G.1. wire/trenches, etc (rate for cable only)24/10-iv18600.00Per Rft4Supply and erection of copper conductor cables for services connection, in prelaid G.I. pipe/G.I. wire/trenches, etc. (rate for cable only)PVC insulated, PVC sheathed 4 core, 600/1000 volt non armoured cable: 240 mm sq. (37/0.114)24/12-iv14750.00Per Rft5Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only): - PVC insuleted, PVC sheathed 4 core, 600/1100 volt non armored cable:- 71.63 mm (7/0.064")Per Rft24/13-c656.00Per Rft6Supply and erection of button holder.bakelite large size for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only): - PVC insuleted, PVC sheathed 4 core, 660/1100 volt non armored cable:- 71.63 mm (7/0.064")Per Rft24/30-1250.00Each7Supply and erection of button holder.bakelite large size (Indoor/Outdoor Type), derusting, zinc Phosphated, finish with electric static powder coatin grapproved colour if the cost of Lock, Indicatin lights, thimbles, Copper Comb, Wing, Netural & Earth Bar, glands, Current Transformers of specified capacity ,Door Earthing, Brass glands, bus bars, controles complete in all respects as approved and directed by the Engineer Incharge (Breakres will be Paid Separately).			24/10-i	79851 00		Per Rft	
iii) 7/0.91 mm (7/0.036") Per Rft iii) 7/0.91 mm (7/0.036") 24/10-iv 18649.00 Rtt Per Rft 3 Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 660/1100 volts grade cable, in preliaid G.I. pipe/M.S. condults/ PVC pipe/G.I. wire/trenches, etc (rate for cable only) 24/12-iv 14750.00 Rt Per Rft 4 Supply and erection of copper conductor cables for services connection, in preliad pipe/G.I. wire/trenches, etc, (rate for cable only)PVC insulated, PVC sheathed 4 core, 600/1000 volt non armoured cable 240 mm sq. (37/0.114) 24/12-iv 14750.00 Rt Per Rft 5 Supply and erection of copper conductor cables for service connection, in preliad pipe/G.I. wire/trenches, etc. (rate for cable only)PVC insulated, PVC sheathed 4 core, 600/100 volt non armored cable- 7/1.63 mm (7/0.064") 24/13-c 656.00 Rtt Per Rft 6 Supply and erection of button holder bakelite large size vire/trenches, etc. (rate for cable only): - PVC insulated, PVC sheathed 4 core, 600/1100 volt non armored cable- 7/1.63 mm (7/0.064") 24/33-i 1250.00 Rt Per Rft 6 Supply and erection of button holder.bakelite large size vire/trenches, etc. (rate for cable only): - Sheat (Indoor/Outdoor Type), derusting, zine Phosphated, finish with electro static powder coating in approved colour if the cost of Lock, Indication lights, thimbles, Copper Comb, Wing, Netural & Earth Bar, glands, Current Transformers of specified capatity _Door Earthing, Brass glands, bus bars, controles complete in all respects as approved and directed by the E-engineer Incharge (Breakers wilbe Pel		1) 0.0.74 mm (0.0.020)	24/10-1			I GI I MI	
 iii) 7/0.91 mm (7/0.036") iv) 7/1.12 mm (7/0.044") 3 Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 660/1100 volts grade cable, in prelaid G.I. pipe/M.S. conduits/ PVC pipe/G.I. wire/trenches, etc (rate for cable only) i) 16 mm (7/0.064") 4 Supply and erection of copper conductor cables for services connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)PVC insulated, PVC sheathed 4 core, 600/1000 volt non armoured cable:-:- 240 mm sq. (37/0.114) 24/13.c 5 Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core, 660/1100 volt non armored cable:- 7/1.43 mm (7/0.044") 6 Supply and erection of button holder.bakelite large size definition with elector static power conduct or cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core, 660/1100 volt non armored cable:- 7/1.43 mm (7/0.044") 7 Supply and erection of button holder.bakelite large size depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type), derusting, zinc Phosphated, finish with elector static power coating in approved colour i/c the cost of Lock, Indication lights, thimbles, Copper Comb, Wiring, Netural & Earth Bar, glandS, Current Transformers of specified capacity ,Door Earthing, Brass glands, bus bars, controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Pati generate), 3.00 Ft deep 2500-3200A (4.5'x7'x3') 24/91.i.b, ii. 94.50 Per Ctt 		ii) 7/0.74 mm (7/0.029")	24/10-iii			Per Rft	
iv) 7/1.12 mm (7/0.044*) Rft Per Rft 3 Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 660/1100 volts grade cable, in preliad GL, pige/MLS, condults/ PVC pipe/G.I. wire/trenches, etc (rate for cable only) 24/12-iv 14750.00 Per Rft 4 Supply and erection of copper conductor cables for services connection, in preliad pipe/G.I. wire/trenches, etc. (rate for cable only)PVC insulated, PVC sheathed 4 core, 600/1000 24/13.c 656.00 Per Rft 5 Supply and erection of copper conductor cables for service connection, in preliad pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core, 660/1100 volt non armored cable:- 7/1.63 mm (7/0.064*) 24/13.c 656.00 Per Rft 6 Supply and erection of button holder.bakelite large size (finds with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands, Current Transformers of specified capacity Door Earthing, Bras glands, bus bars, controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).3.00 Ft deep 2500-3200A (4.5'x7'x3') 24/91.i.b, i. 94.50 Per Cft							
iv) 7/1.12 mm (7/0.044") 24/10-v 16800.00 Per Rft 3 Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 660/1100 volts grade cable, in prelaid G.I. pipe/M.S. conduits/ PVC pipe/G.I. wire/trenches, etc. (rate for cable only)PVC insulated, PVC sheathed 4 oce, 660/1000 volt non armoured cable:-: 240 mm sq. (37/0.114) 24/12-iv 14750.00 Per Rft 4 Supply and erection of copper conductor cables connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)PVC insulated, PVC sheathed 4 oce, 660/1000 volt non armoured cable:-: 240 mm sq. (37/0.114) 24/13.c 656.00 Per Rft 5 Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only): PVC insulated, PVC sheathed 4 core, 660/1100 volt non armored cable:- 7/1.63 mm (7/0.064") 24/13- c.vii 1250.00 Rft Per Rft 6 Supply and erection of button holder.bakelite large size (Indoor/Outdoor Type).derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity .Door Earthing, Brass glands,bus bars.controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).3.00 Ft deep 2500~3200A (4.5'x7'x3') 24/91.i,b, i. 94.50 Per Cft		iii) 7/0.91 mm (7/0.036")	24/10-iv			Per Rft	
3 Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 660/1100 volts grade cable, in prelaid G.I. pipe/M.S. conduits/ PVC pipe/G.I. wire/trenches, etc (rate for cable only) Rft 4 Supply and erection of copper conductor cables for services connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)PVC insulated, PVC sheathed 4 core, 600/1000 volt non armoured cable:-: 240 mm sq. (37/0.114) 24/13.c 656.00 Rft Per Rft 5 Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core, 660/1000 volt non armored cable:- 7/1.63 mm (7/0.064*) 24/13.c 656.00 Rft Per Rft 6 Supply and erection of button holder.bakelite large size (Indoor/Outdoor Type), derusting, zinc Phosphated, finish with electro stice powder coating in approved colour <i>i/c</i> the cost of Lock, Indication lights, thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands, Current Transformers of specified capacity , Door Earthing, Brass glands, bus bars, controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).3.00 Ft deep 2500~3200A (4.5'X7'x3') 24/91.i.b, i. 94.50 Per Cft		iv) 7/1 12 mm (7/0 044")	24/10-v			Per Rft	
PVC sheathed copper conductor, 660/1100 volts grade cable, in prelaid G.I. pipe/M.S. conduits/ PVC pipe/G.I. wire/trenches, etc (rate for cable only) i) 16 mm (7/0.064")24/12-iv14750.00 RftPer Rft4Supply and erection of copper conductor cables for services connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)PVC insulated, PVC sheathed 4 core, 600/1000 volt non armoured cable: 240 mm sq (37/0.114)24/13.c656.00Per Rft5Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC Insulated, PVC sheathed 4 core, 660/100 volt non armored cable:- 7/1.63 mm (7/0.064")24/13.c656.00Per Rft6Supply and erection of button holder.bakelite large size (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electric static powder coating in approved colour i/c the cost of Lock, Indication lights, thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands, Current Transformers of specified capacity ,Door Earthing, Brass glands, bus bars, controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).3.00 Ft deep 2500~3200A (4.5'x7'x3')24/91.i.b. i.94.50Per Cft		(v) //1.12 mm (//0.044)	2-1/10 1			1 OF FRIC	
grade cable, in preiaid G.I. pipe/M.S. conduits/ PVC pipe/G.I. wire/trenches, etc (rate for cable only) Per Rft i) 16 mm (7/0.064") 24/12-iv 14750.00 Per Rft 4 Supply and erection of copper conductor cables for services connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)PVC insulated, PVC sheathed 4 core, 600/1000 volt non armoured cable: 240 mm sq. (37/0.114) 24/13.c 656.00 Per Rft 5 Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core, 660/1100 volt non armored cable:-711.63 mm (7/0.064") 24/13.c 656.00 Per Rft 6 Supply and erection of button holder.bakelite large size 24/39-i 1092.00 Each 7 Supply and erection of ceiling rose, bakelite. 24/30 36.00 Each 8 P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type), derusting, zinc Phosphated, finish with electro static powder coating in approved colour <i>i/c</i> the cost of Lock, Indication lights, thimbles, Copper Comb, Wing, Netural & Earth Bar, glands, Current Transformers of specified capacity , Door Earthing, Brass glands, bus bars, controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).3.00 Ft deep 2500-3200A (4.5'x7'x3') 24/91.i.b. ii. 94.50 Per Cft </td <td>3</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	3						
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 7 Supply and erection of ceiling rose, bakelite. 8 P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type), derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands, Current Transformers of specified capacity, Door Earthing, Brass glands, bus bars, controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).3.00 Ft deep 2500~3200A (4.5'x7'x3') 8 No 8 24/30 36.00 No 8 Each No 94.50 94.50 	_		0.4/00.1				
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 8 P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type), derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands, Current Transformers of specified capacity, Door Earthing, Brass glands, bus bars, controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).3.00 Ft deep 2500~3200A (4.5'x7'x3') 24/91.i,b, ii. 94.50 	7	Supply and erection of ceiling rose. bakelite.	24/30			Each	
depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity ,Door Earthing, Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).3.00 Ft deep 2500~3200A (4.5'x7'x3')24/91.i,b, ii.94.50Per Cft				No			
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finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity ,Door Earthing, Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).3.00 Ft deep 2500~3200A (4.5'x7'x3') ii. 94.50 Per Cft							
colour i/c the cost of Lock, Indication lights, thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands, Current Transformers of specified capacity ,Door Earthing, Brass glands, bus bars, controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).3.00 Ft deep 2500~3200A (4.5'x7'x3') ii. 94.50 Per Cft							
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complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).3.00 Ft deep 2500~3200A (4.5'x7'x3')24/91.i,b, ii.94.50Per Cft							
the Engineer Incharge (Breakers will be Paid Separately).3.00 Ft deep 2500~3200A (4.5'x7'x3')24/91.i,b, ii.94.50Per Cft							
Separately).3.00 Ft deep 2500~3200A (4.5'x7'x3') ii. 94.50 Per Cft							
				94 50		Per Off	
				Cft			

						Work No.06
No.	Description	Ref.	Quantity	Rate	Unit	Amount
9	Supplying,Installation and commissioning of MCCB (MouldedCase Circuit Breaker) of specified rating made of LEGRANDFRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKIJAPAN/ABB SWITZERL(with adjustable Thermal-MagneticTrip) in prelaid DBs and Panels i/c the cost of screws,necessary wire complete in all respect as approved anddirected by the Engineer InchargeTripple Pole With Adjustable Thermal- Magnetic Trip/Electronic Trip (60-100%)630-1600 Amp(50 KA)	24/88 a.x	1.00 No		Each	
10	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. There Pole i-300-630 Amp(36 KA)	24/87.a.x	18.00		Each	
	ii-125-250Amp(25KA)	24/87.a.vi	18.00		Each	
	Providing and fixing DB/Panel accessories of required rating and size i/c copper screws of approved brand Complete in all respect as approved and directed by the Engineer Incharge. Selector Switch Current Transformer Coil (Make: Metelx/Fico) Digital Voltmeter (0-600 Volt) Digital Ammeter (0-9999 Amp) LED Phase Indicator Push Button ON/OFF (Make: Schneider/Himal/Eqv.) Auxiliary Contactor. (Make: Schneider/ Terasaki/ABB) Control MCB S/P 6A (Make: Schneider/ Terasaki/ABB) Exhaust Fan with Louvers (Make: Imported/Plastim) Temperature Regulator 0~60C	24/94 i iii iv v vi vii vii xi xii No	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00		Each Each Each Each Each Each Each Each	
12	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).6" 75~100A	24/90-a.ii	45.00		Cft	
13	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. There Pole 15-100 Amp (10 KA,15KA)	24/87-a-ii	Cft 18.00		Each	
			No			

No. Description Ref. Quantity Rate Unit Amount 14 Suppling installation and comissioning of specified raing made of LEGRANAY/SERNEN GERNAAV/TERASAKI JAPAN/ ABB SWITZENAND (predicab Das and Panels & the cost of screwes, necessary wire complete in all respect as approved and directed by the Engineer incharge 6 d Anny (6 KA) 24/85 +4 540.00 Each P/F PVC double layer Switch kit Faceplate with specifica Switch holes: Vice cost of switchers' sockets / dimmer made of H-Life / Bush / Schenkier, screws complete as approved and directed by the Engineer incharge 75.00 Each 16 Incharge One way Gange Switch Small 33 Gange Three pin Light Plug 10/13 Amp Three Pin Power Plug 15-32 Amp Large (A Gange d Gange 75.00 Each 18 Incharge (A Gange d Gange 105.00 Each 19 Incharge (A Gange d Gange 105.00 Each 10 Starting Coper winde Ehast far with tower and antoward for onceally well screaser y cobin and mode of ParVonauC F. We to cot of onceaser y cobin and mode of ParVonauC F. We to cot of onceaser y cobin and proved and directed by the Engineer incharge 24/104 24/100 Each 10 Prover Plug Coper winde Ehast far with tower and antoward for onceaser y cobin and mode of ParVonauC F. We to cot of onceaser y cobin and mode of ParVonauC F. We to cot of onceaser y cobin and prespect and frecto on PV proper precreseed within main andsubmanin							Work No.06
(Ministrice Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE US A / SCH-NEDDER State	No.	Description	Ref.	Quantity	Rate	Unit	Amount
/ dimmer made of H-Life / Bush / Schenider, sorws complete as approved and directed by the Engineer Incharge 24/103.a 15 Incharge One way Gange Switch Small 24/103.a 16 Incharge Dre way Gange Switch Small 75.00 Each 17 Incharge 105.00 Each 18 Incharge 105.00 Each 19 Incharge 105.00 Each 10 Orgen 105.00 Each 10 Stude Tode PaV(Sumark) C. U: the cost of source made of PaV(Sumark) C. U: the cost of source made of PaV(Sumark) C. U: the cost of source made of PaV(Sumark) C. U: the cost of screwscomplete as approved and directed by the Engineer Incharge 24/104 Incharge 10 Increase 24/104 710.00 Each 11 Increase 24/104 Increase Increase 12 Increase 24/104 Increase Increase 13 Increase Increase 24/104 Increase 14 FPVC concealed Switch kit Box i/c the cost of screwscomplete as approved and directed by the Engineer Incharge 24/104 Increase 15 Increase 24/104 Increase Increase 15 Increase Increase Increase Increase 16 Increase Increase Increase	14	(Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes, necessary wire complete in all respect as approved and directed by the Engineer Incharge.6- 40 Amp (6 KA) P/F PVC double layer Switch kit Faceplate with	24/86-a-ii			Each	
small 75.00 Each 03 Gange 75.00 Each Three pin Light Plug 10/13 Amp 85.00 Each Fan Dimmer 105.00 Each Large 105.00 Each 04 Gange 105.00 Each 05 Gange 105.00 Each 06 Gange 105.00 Each 03 Gange 105.00 Each 04 Gange 105.00 Each 05 Gange 105.00 Each 04 Gange 105.00 Each 04 Gange 80.00 Each 04 Gange 80.00 Each 16 Providing and fixing Copper winded Exhaust fan with louver and shutter made of PaV/Vonas/C F.C. iv the cost of screwscomplete as approved and directed by the Engineer Incharge 24/102.1 17 P/F PVC concealed Switch kit Box i/c the cost of screwscomplete as approved and directed by the Engineer Incharge 24/104 10 Supply and erection of PVC pipe for recessed wiring main and submain) purpose, i/c bends, specials etc in floor, walls or trenches:iii) 24/6 800.00 18 100 mm i/d 24/6 800.00 Each 14 Incharge. (GM, Bita or equivalent) N.S 360.00 18 100 mm i/d 24/6 800.00 Each <tr< td=""><td>15</td><td>, dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge</td><td>24/103.a</td><td></td><td></td><td></td><td></td></tr<>	15	, dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge	24/103.a				
In Three pin Light Plug 10/13 Amp Fan Dimmer Three Pin Power Plug 15-32 Amp Large 04 Gange 05 Gange 06 Gange 105.0085.00 360.00Each Each Each Each 105.00Inter Pin Power Plug 15-32 Amp Large 04 Gange 04 Gange105.00 105.00Each Each 105.0016Providing and fixing Copper winded Exhaust fan with louver and statuter made of Pak/TourasQC F. C. It he cost of an conseny cable and hardware for contection from celling recomplete a supproved and directed by Engineer Incharge Plastic body 12" dia ii" sweep24/102.a. ii30.00Each16Providing and fixing Copper winded Exhaust fan with louver and statuter made of Pak/TourasQC F. C. It he cost of an conseny cable approved and directed by the throe celling recomplete a screwscomplete as approved and directed by the Engineer Incharge24/102.a. ii30.00Each17P/F PVC concealed Switch kit Box <i>ic</i> the cost of screwscomplete as approved and directed by the Engineer Incharge24/104 r710.00 NoEach18100 mm i/d24/6800.00Per Rit11Incharge. (GM, Bita or equivalent)N.S360.00Each12Supply & installation of PVC Fan Box with iron bar i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Fhilips RC09led 405/865 or Equivalent)NS360.00Each13Supply & installation LED flood light 100 wart Philips quality including casing bracket, hanging arrangement incharge. </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
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	3	quality including casing bracket, hanging arrangement complete in all respects as approved by the Engineer					
		Incharge.	NS	24.00 No		Each	

	1	1			1	Work No.06
No.	Description	Ref.	Quantity	Rate	Unit	Amount
4	Supply & installation of LED 24 W Down Light (Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Essential or Equivalent)	NS	600.00		Each	
5	Supply & installation of Strip (Patti) with 20W Led tube rod (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips or Equivalent)		No			
		NS	600.00 No		Each	
6	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 (SK mega or Equivalent)	NS	48.00		Each	
7	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	NO	No		F eeb	
8	(Royal, Super-Asia or Equivalent) Supply & installation of Ceiling Fan 56" (99.99%	NS	64.00 No		Each	
	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 , SK or Equivalent)	NS	360.00 No		Each	
9	Providing and Laying ear thing for Electric Machines I/c boring up to moisture level (up to 60' below ground level) 4" i/d including copper strip 14" x 2" x 1/4" (350 x 50 x 6 mm) connecting with 1 Nos.bare copper wire of No.8 SWG to be run in PVC pipe 20mm i/d, 1¼" i/d GI pipe 5' long, GI tee & plug for watering also includes common salt, Lime (slaked) and charcoal around copper strip I/c connecting with Electric machine. Complete in all respects as approved and as directed					
	by the Engineer Incharge.	NS	20.00 No		Each	
1	Plumbing Work (Schedule Items) Providing and fitting glazed earthen ware water closet, squatter type (Orissa pattern), combined with foot rest.				Total	
2	Colored Providing and fitting glazed earthen ware wash hand	19/4.ii	40.00 No.		Each	
	basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. ii) colored, with pedestal	19/7.ii	56.00		Each	
3	Providing and fixing chromium plated bib cock:- ii) '1.5 cm (½")	19/27ii	No. 52.00 No.		Each	
4	Providing and fitting plastic made low down flushing cistern 13.63 liter (3 gallons) capacity, including bracket set, copper connection, etc. complete. ii) colored	19/13.ii	40.00		Each	
5	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set,		No.			
	waste pipe and waste coupling.	19/8.	4.00 No.		Each	

			-			Work No.06
	Description	Ref.	Quantity	Rate	Unit	Amount
6	Providing and fixing chromium plated tee stop cock '15mm ($\frac{1}{2}$ '').	19/28.	144.00 No.		Each	
7	Providing and fixing glazed earthen ware flat back urinal.	19/11.	24.00 No.		Each	
8	Providing and fixing chromium plated pillar-cock, heavy:-		110.			
	ii) '1.5 cm (1/2")	19/24.ii	56.00 No.		Each	
9	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	19/30.	4.00 No.		Each	
10	Providing, laying, testing and commissioning of POLY PROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex/Popular/Beta/BBJ) with specified pressurerating PN (PRESSURE NOMINAL) and conforming to DIN 8077-8078 code i/c cost of solvent, specials ,making jharries complete in all respectas approved and directedby Engineer Incharge.(Internal/External Diameters mentioned).	23/47.b ii				
	PN-20 pipe					
	ii)(3/4") 25 mm		1650.00		P/Rft	
	iii)(1") 32 mm vi)(2") 63 mm		2800.00 1600.00		P/Rft P/Rft	
11	Providing and fixing, chromium plated toilet paper		Rft			
	holder.	19/18.	4.00		Each	
12	Providing and fixing BATHROOM ACCESSORIES (7- piece set) MASTER BRAND - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by		No.			
	the Engineer incharge Plastic soap dish	19/23.	49.00		Fach	
	Plastic toilet paper holder		48.00 32.00		Each Each	
	Plastic tower rail		64.00		Each	
	Looking glass with plastic frame		96.00		Each	
13	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. 9" i/d	21/1.iii	2650.00 Rft		P/Rft	
14	Providing ,fixing testing and commissioning of μ-PVC (Unplasticized polyvinyl Chloride) Nikasi /waste pipe make of dadex /Popular /Beta/BBJ plain/ socket ended conforming to code EN-1401 of specified SDR (Standard Dimension Ratio) including thecost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.Type (SDR 32.5/SN-8)	19/47.			D/D#	
	i)4"(110 mm) ii)3"(85 mm)		3250.00 1625.00		P/Rft P/Rft	
			1625.00 Rft			

			1		r	Work No.06
	Description	Ref.	Quantity	Rate	Unit	Amount
15	Providing and fitting Europeon Coupled set of Water Closet (WC) and flushing Cistern of PORT Abr and (full size) i/c thecost of CP /rubber connection ,thimble ,seat cover and rawal bolts complete in all respects asapproved and directed by the Engineer Incharge.	19/3.	22.00		Each	
16	Providing and fixing CP bath Room Set made of Sonex /Master /Faisal comprising of 3-NoTee stop cocks ,lever type Basin Mixer,double Bib Cock,open wall shower,Muslim shower,waste coupling and bottle trap etc.complete in all respect as approved and directed					
	by the Engineer incharge. i)Double Bib Cock ii)Open Type Wall Shower iii)Muslim shower iv)Waste Coupling	19/52.	22.00 4.00 22.00 55.00 Nos		Each Each Each Each	
17	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized polyvinyl Chloride) Nikasi /wastepipe Fittings make of dadex /Popular /Beta/ BBJ conformingto code EN-1401 including thecost of Solvents complete in all respect as approved and directed by the Engineer .Incharge.		INUS			
		19/49.				
	P-Trap 4" dia P-Trap 3" dia		250.00 250.00		Each Each	
	Multi-Trap 4" dia		230.00		Each	
	Multi-Trap 3" dia		50.00		Each	
	Vent Cowel 4" dia		36.00		Each	
			Nos			
	Diversities a Marcia (Name Onter desta)				Total	
1	Plumbing Work (Non Schedule) Providing & Fixing looking glass 5 mm thick best					
2	quality including aluminum frame 2'x1' complete in all respects Providing & fixing floor trap Jali Stainlessteel complete	N.S	384.00 Sft		Per Sft	
-	in all respect and as approved by the Engineer Incharge.	N.S	52.00 No		Each	
3	Providing & Fixing Floor trap jali plastic colored complete in all respects	N.S	40.00 No		Each	
	IT DATA CABELING SYSTEM				Total	
1	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting	24/3				
	jharries,and repairing surface, etc., complete with all specials. i) 3/4* i/d (20 mm)		4428.00		Per Rft	
	ii) 1" i/d (25 mm)		2132.00		Per Rft	
	iii) 1.50" i/d (40 mm)		2132.00		Per Rft	
	iv) 2" i/d (50 mm)	04/10/	2031.25 Rft		Per Rft	
2	P/F PVC concealed Switch kit Box i/c the cost of screws	24/104				
	complete as approved and directed by the Engineer Incharge i) Small		225.00		Each	
			No			
	ii) Large		125.00		Each	
			No			

						Work No.06
No.	Description	Ref.	Quantity	Rate	Unit	Amount
3	Supply, Installation and commissioning of wiring with	24/106				
	4-pair data Cable, 23 AWG UL/EN listed cable *					
	Conforming to following standards: TIA/EIA 568 /					
	ISO/IEC 11801, in prelaid conduit / cable tray from					
	including all accessories, Manufacturer/OEM					
	Authorization, Make: Schneider / i-connect UK/3M					
	Corning USA/ D-Link/ Pollo Australian or equivalent					
	complete in all respect as approved and directed by Engineer Incharge.					
	a) UTP (Unshielded Twisted pair)					
	(i) CAT-6 (Min.1G @ 250MHz or higher)		8500.00		Per M	
	(ii) CAT-6A (Min.1G/ 10G @ 500MHz or higher)		8500.00		Per M	
			M			
4	Supply, Installation and commissioning of Simple	24/131				
	type, Dual Shutter Face Plates having fully populated					
	I/O: Option 1:RJ-11 with RJ45/8P8C I/Os supporting					
	either Cat6 or Cat6a cables as required by project					
	Option 2: Two RJ45/8P8C I/Os supporting either Cat6					
	or Cat6a cables as required by project.					
	(i) Single I/O		700.00		Each	
	(ii) Double I/O		700.00		Each	
			No		Tatal	
ı					Total	

The Islamia University of Bahawalpur Construction of New Girls Hostel No 01 at Bahawalnagar Campus Estimate Based on MRS Junuary to June, 2023 BWN

Estimate

A)	Civil Work	
I	Schedule Items	Rs.
II	Non-Schedule Items	Rs.
	Total of Civil Work:	Rs.
B)	Electrical Work	
I	Schedule Items	Rs.
II	Non-Schedule Items	Rs.
	Total of Electrical Work	Rs.
C)	Plumbing Work	
Í	Schedule Items	Rs.
II	Non-Schedule Items	Rs.
	Total of Plumbing Work	Rs.
D)	IT DATA CABELING SYSTEM	
Í	Schedule Items	Rs.
	Total of IT DATA CABELING SYSTEM	Rs.
	Total of (A,B,C)	Rs.
	Add 5 % PST	
	Add 3 % Contingencies	
	Grand Total	

Project Director/ Coordinator

The Islamia University of Bahawalpur Construction of New Girls Hostel No 01 at Bahawalnagar Campus Estimate

Work No.07 No. Description Ref. Quantity Rate Unit Amount **Civil Work (Schedule Items)** 1 Jungle clearance and removing within 100 ft. 3/47.a 46714.13 %Sft (30 m).light Sft 2 Excavation in foundation of building, bridges andother structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead 'upto one chain (30m) and lift upto 5 ft. (1.5 m) By Excavator.In ordinary soil. %oCft 3/21-B-ii 58486.15 Cft 3 Spraying termite proofing by using liquid FMC / Biflex/ Terminex Exin /Ms Hextaror equivalent @ specified suspension concente rate (SC), Mixing Ability-HEXTAR with Ratio (1:250)=540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contract or for 10-years complete in all respect.as approved by the 26/43 62868.25 Per Sft Engineer Incharge. Sft Supplying and laying polythene sheet over 4 D.P.C. under floors and on roofs, etc 500 gauge (.005" thick) 26/37-ii 66260.84 Per Sft Sft 5 Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): i) Ratio 1:4:8 6/5-i 12668.64 % Cft ii)'Ratio (1:2:4) 5728.86 % Cft 6/5.f Cft 6 Fabrication of M.S. Reinforcement for cement concrete including bending, laying in position, making joints and fastening i/c cast of binding wire and labour charges for bending of steel reinforcement also includes removal of rust from bars -% Kg Deformed Bar Grade 60 6/12-c 135923.78 Kg Providing and laying reinforced cement concrete 7 (includingprestressed concrete), using Ordinary Portland Cement / Sulphateresisting cement / Slag cement as may be required; coarse sand andscreened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-(2) Type B (nominal mix 1: 11/2: 3) 6/6-aiii-Per Cft 2b 19878.00 Cft

No.	Description	Ref.	Quantity	Rate	Unit	Amount
8	Providing and laying reinforced cement concrete (includingprestressed concrete), using Ordinary Portland Cement / Sulphateresisting cement / Slag cement as may be required; coarse sand andscreened graded and washed aggregate, in required shape and design,including forms, moulds, shuttering, lifting, compacting,curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- 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.	6/6-ai-2c				
i) ii)	Ground Floor Ratio (1:1½:3) First Floor Ratio (1:1½:3)	6/6-ai- 2c+d	26817.88 1617.44		Per Cft Per Cft	
9	Two coats of bitumen laid hot using 34 lbs. per %Sft, or 1.72 Kg per square metre over roof and blinded with sand at one Cft. per %Sft. (0.003 cu.m per sq.m)	9/12	Cft 37330.70 Sft		%Sft	
10	Providing and fixing theremopore (foamed polythene) sheet in horizontal and vertical expansion joints: a) 1" (25 mm) thick thermopore sheet	6/35-a	1852.00		Per Sft	
11	Filling, watering and ramming earth under floors:- i) with surplus earth from foundation, etc.	3/15i.	Sft 19495.38		%oCft	
12	Filling, watering and ramming earth under floors:- ii) with new earth excavated from outside,lead upto one chain (30 m). Transportation of earth all types when the total distance,including the lead covered in the item of work,is more than 1000 ft.(300 m) lead upto 5 mile.	3/15- ii+17a,b	Cft			
13	Pacca brick work in foundation and plinth in:- i) cement, sand mortar:- Ratio 1:4	,с 7/4-і	195000.00 Cft 16556.36		%oCft % Cft	
14	Providing and laying damp proof course of cement concrete 1:2:4 (using cement, sand and shingle), including bitumen coating :- (a) with one coat bitumen and one coat polythene sheet 500 gauge. ii) 1-1/2" thick (40 mm)		Cft			
15	Pacca brick work in ground floor:-	6/36ai	2518.85 Sft		%Sft	
i)	i) cement, sand mortar:- Ratio 1:4 Ground Floor First Floor	7/5-i 7/5-i+6i	26024.82 6543.94 Cft		% Cft % Cft	
16 i)	First class brick walling laid in 1:3 cement sand mortar, reinforced with 1" (25 mm) wide 18 gauge hoop iron:- ii) 4 ¹ ⁄ ₂ " (113 mm) thick walling with hoop iron, bonding 12" (300 mm) apart. Ground Floor	7/21-ii	Cπ 6932.50		% Sft	
	Supplying and filling sand under floor; or plugging in wells.	7/30.	Sft 12373.35 Cft		% Cft	

No.	Description	Ref.	Quantity	Rate	Unit	Amount
18	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.	6/2	12905.11 Cft		% Cft	
19	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- (1:4:8)	6/3.b	3375.35 Cft		% Cft	
20	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. Ratio 1:3					
i) ii)	Ground Floor up to 20' height First Floor up to 30' height	11/10-b 11/10-	37619.67		% Sft	
,		b+11/28	2286.81 Sft		% Sft	
21 i) ii)	Cement plaster 1:4 upto 20' (6.00 m) height: Upto 20' heights a) '½" (13 mm) thick b) ¾" (20 mm) thick	11/9-b 11/9-c	106932.90 40883.01 Sft		% Sft % Sft	
22	Providing & Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation /Foam Board on roof or wall ,Density 32-38 Kg/M, Compressive Strenght 250-400 kpa,R- Value 5 per inch thickness & water obsorbtion (1% by volume, cell structure clored cell) i/c cutting & placing in position complete in all respect . b)1.5" Thick	9/45.b	29846.72 Sft		%Sft	
23	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof 'slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.mbitumen coating sand blinded.		Sit			
		9/5.	29846.72 Sft		%Sft	
24	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	9/15.	27.00 No		Each	
25	Providing and fixing mild steel chowkat of doors, windows, C.window, etc. including holdfast, making and threading holes for hinges, etc. complete:- a) M.S. angle iron 1½"x 1½"x ¼" (40x40x6 mm) welded with M.S. flat 2"x ¼" (50 mm x 6 mm)	12/15-a	2765.00		Per Sft	
26	P/F1-1/2"thick solid flush door comprising of 2.5mm thick Deodar/Ash/Oak ply with grooves, compressed over 2.5mm thick commercial ply over 1"thick packing woodin style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges and lacquar polishing to show the grains of plyproperly, sand papering and 3/8" thick matching wooden lippingas approved and directed by the Engineer Incharge.	12/13-2	Sft 1925.00		Per Sft	
27	Providing and fixing marble strip of any shade		Sft			
	for dividing the mosaic flooring into panels. 'Size 1½" x 3/8" (40 x 10 mm)	10/40.a	2,566.36 Rft		Per Rft	

No.	Description	Ref.	Quantity	Rate	Unit	Amount
28	Providing and laying topping of cement concrete 1:2:4,including surface finishing and dividing in panels: 1.5"(40 mm) thick	10/15-c	8,576.97 Sft		% Sft	
29	Preparing surface and painting with emulsion paint:- New surface 3-coats	13/31. i+ii+ii	106932.91 Sft		%Sft	
30	Painting new surface:- Preparing surface and painting of doors and windows any type (including edges):- 3-Coats	13/5-c i+ii+ii	1925.00		%Sft	
31	Priming coat of chalk under distemper.	11/22.	Sft 39906.48 Sft		%Sft	
32	Distempering:- a) new surface:- iii) three coats	11/23.a .iii	39906.48 Sft		%Sft	
33	Providing and fixing 6 in(150 mm). wide curved sheet of required shape fixed on face of the construction joint with G.I.screw,1.5 in (40 mm) long to cover construction joints vertically:-G.I sheet 18 SWG					
		6/27-ii	1450.00 Rft		P/Rft	
34 i)	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: new surface: 2-Coats upto 20' height	13/33-a- i+ii	40883.01 Sft		% Sft	
35	P/F3/4"dia heavy duty sliding bolt of specified material i/c thecost of hardware complete in all respect as approved and directed by the Engineer Incharge. (B)Brass sliding bolt, 10" (250 mm) long	12/61-B- i	172.00 Nos		Each	
36	P/F3/4"dia heavy duty sliding bolt of specified material i/c thecost of hardware complete in all respect as approved and directed by the Engineer Incharge.(A) Iron i) Iron sliding bolt, 10" (250 mm) long		1105			
		12/61-A.i	91.00		Each	
37	ii) Iron sliding bolt, 12" (300 mm) long 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	12/61-Ai.i	95.00 Nos		Each	
	require slope . complete in all respect. (50% Grey / 50% Coloured 60 mm thick	10/41.b	6306.83 Sft		Per Sft	
38	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of M/s Al-Cop or Pakistan 'Cables having frame size of 100 x 20 mm (4"x ³ /4") and 'leaf frame sections of 50 x 20 mm (2"x ³ /4"), all of 1.6 mm 'thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in- charge.		2720.00		Per Sft	
	-	20,02.	Sft			

No.	Description	Ref.	Quantity	Rate	Unit	Amount
39	Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour/powder coated of size 1-1/2"x1/2" and 1.6 mm thick with rubber gasket i /c cost of Hardwares as approved and directed by the engineer incharge complete in all					
	respect.	25/53.	1360.00 Sft		Per Sft	
40	Providing and fixing G.I. wire gauze 22 SWG, 12x12 'meshes per square inch, (5x5 meshes in cm2) fixed to steel window, complete with flat iron patti ½"x 1/8" (13 mmx3 mm) and machine made screws.	12/55.	707.04		P/Sft	
41	Glazing with panes (16 oz. to 18 oz.,) including cost of putty.	12/45.b	Sft 65.90		P/Sft	
42	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick(1:3)cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge.Full		Sft			
	body Glazed tiles.400mmx 400 mm	10/42.a.i	26672.69 Sft		Per Sft	
43	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. a) 3/8" Squar Bars					
		25/59.i	2720.00 Sft		Per Sft	
44	Providing and fixing 2" wide M S Chowkats in gel / double rebate made of 16 SWG MS sheet pressed /welded /supported with M.S.flat 1-1/4"x1/8"i/c6" long M.S. Flat 1"x1/8" hold fasts (6-Nos) welded /screwed, punching of lock hole covered with MS Box, coating with anti rust paint including filling with cement sand mortar (1:8) and embedding hold fastin cement concrete (1:2:4), complete in all respect as approved and directed by Engineer Incharge.					
	(i) 10.50 " wide	12/17ii	548.00 Sft		Per Sft	
45	Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as perapproved design with adhesive bond, over 3/4" thick(1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge.12"x18"/12"x24"/10"x24" /8"x24"/12"x36"					
		10/24.i	2225.07 Sft		P/Sft	

No.	Description	Ref.	Quantity	Rate	Unit	Amount
46	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy/Matt/Texture skirting / dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cemen tplaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge.12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	10/25.i	9153.85 Sft		Per Sft	
47	Providing and laying 3/8 inch thick superb class Multani tiles of specified size and design of approved Colorand Shade with adhesive bond ,over1/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge.	.10/44	238.20		P/Sft	
48	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed ,complete in all respect as approved and directed by the Engineer Incharge.3/4" thick		Sft			
		10/50.i	2398.84 Sft		Per Sft	
49	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carbor and amdisc as approved and directed by the Engineer Incharge.	10/48.	980.00		Per Rft	
50	Extra cost for making hole in Marble slab for fixtures,Sink,burners,basin Vanities i/c cost of bevelling of internal edge as approved and directed by the Engineer Incharge.		Rft			
		10/49.	24.00 Nos		Each	
51	Providing embeding 10" (250 mm) wide ¼" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof	0/04			Der Dft	
52	slab complete in all respects. Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.	6/31.	350.00 Rft 516.64		Per Rft	
		20/04	Rft		r /NI	

			I			Work No.07
No.	Description	Ref.	Quantity	Rate	Unit	Amount
53	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge.a) Full body Glazed Tile 400mmx 400 mm					
		10/43.a.i	3377.80 Sft		Per Sft	
54	Providing and applying wall putty of 2 mm thickness over plastered surface (new surface) to prepare the surface even and smooth complete in all respect.	13/46	106932.91 Sft		% Sft	
55	Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bolt,lock and chowkats (frame), etc.) as approved and directed by the Engineer InchargeOak/Ash wood Door(iii) 1- 1/2" thick (40 mm)		31			
		12/7 b.iii	72.00 Sft		Per Sft	
56	Providing and fixing Vin board cabinet 3/4" thick with drawers 3"deep in 'Kitchen including termite proofing and polishing with synthetic enamel as specified, with handles hinges,screws etc., complete in all respects	12/59				
	i) 2' deep,without back ii)2' deep,with back		46.20 67.90 Sft		Per Sft Per Sft Total	
1	Civil Work (Non-Schedule Items) Making and errecting in position MS Grill Door with M.S box pipe 1.5"x1.5" main frame and M.S Box pipe 1/2"x1/2", 18 SWG for grill, complete in all respects and duly painted as approved by the Engineer Incharge.(Fly/Mosquito Proof Grill Doors for Fixing at Gallaries openings)	NS	1190.25 Sft		Per Sft	
2	Providing and fixing 3/4" thick laminated Board shutter with 3/4" x 3/4" deodar wood beading wardrobe frame of 3"x1.5" M.S Box pipe 18 SWG including catchers, lock, CP hanger rod with hooks, hinges, french polish on beading complete in all respects including hanger rod etc. as approved by the Engineer Incharge.	NG			Der 04	
3	Providing & Fixing uPVC door 1.25" thick	NS	8316.00 Sft		Per Sft	
	wooden colour i/c hinges, door handle with locking arrangement complete in all respects.	NS	857.50 Sft		Per Sft	

						Work No.07
No.	Description	Ref.	Quantity	Rate	Unit	Amount
4	Providing & Fixing Magnet stopper for doors with screws best quality complete in all respects as approved by the Engineer Incharge.	NS	160.00 Nos		Each	
5	Preparing surface & applying siprit polish best quality complete in all respects as approved by the Engineer Incharge.	NS	144.00 Sft		P/Sft	
6	Providing, applying and filling expansion joint with 2"x ¾" thick elastomeric sealant of approved manufacture over backing rod complete in all respect according to manufactures recommendations and to the entire satisfaction of the engineer incharge	NS	650.00		P/Rft	
7	Subsequent carriage of crushed stone aggregate total distance from Sargodha to Bahawalnagar IUB Campus at site of work average 278 KM		Rft 74947.48		% Cft	
			Cft		<i>7</i> 0 Oit	
					Total	
	Electric Work (Schedule Items) Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries,and repairing surface, etc., complete with all specials. i) 20 mm i/d ii) 25 mm i/d iii) 1.5" i/d (40 mm) iv)2" i/d (50 mm)	24/3-ii 24/3-iii 24/3-v 24/3-vi	8514.91 13277.60 150.00 1381.00 Rft		Per Rft Per Rft Per Rft Per Rft	
2	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only). a) 250/440 volts, PVC insulated:		NI			
ii) iii) iv) v) vi)	3/0.74 mm (3/0.029") 3/0.91 mm (3/0.036") 7/0.74 mm (7/0.029") 7/0.91 mm (7/0.036") 7/1.12 mm (7/0.044") 7/1.63 mm (7/0.064") 19/1.32 mm (19/0.052")	24/10-i 24/10-ii 24/10-iv 24/10-iv 24/10-v 24/10-vi 24/10-vii	12668.00 34248.00 20125.00 10553.00 2208.00 6677.00 2460.00 Rft		Per Rft Per Rft Per Rft Per Rft Per Rft Per Rft Per Rft	
3	Supply and erection of copper conductor cablesfor service connection, in prelaid pipe/G.I.wire/trenches, etc. (rate for cable only):- PVCinsulated, PVC sheathed 4 core 660/1100 voltgrade cable, armoured with G.I. wire 16 SWG.	24/13-d	КI			
	i) 185 mm (37/0.103")	2 1/ 10 0	79.27 Per M		Per M	
	ii)16 mm (7/0.064")	24/13	420.50 Per M		Per M	

					I	
No.	Description	Ref.	Quantity	Rate	Unit	Amount
	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge.	24/102.a.ii				
i ii	.Plastic body 12 " dia Steel body 18" sweep		15.00 3.00 No		Each Each	
	P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge One wary Gange switch	24/103.a				
	Small 03 Gange Three pin Light Plug 10/13 Amp Fan Dimmer Three Pin Power Plug 15-32 Amp		108.00 110.00 103.00 96.00		Each Each Each Each	
	Large		90.00		Lacii	
	04 Gange 05 Gange		57.00 24.00		Each Each	
	06 Gange		32.00		Each	
	Two way Gange Switch small 03 Gange		108.00		Each	
	04 Gange		11.00 No		Each	
	P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity ,Door Earthing, Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).3.00 Ft deep 2500~3200A)					
		24/91.i,b,iv			Cft	
·	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. There Pole		Cft			
i	300-630 Amp(36 KA)	24/87.a. x	2.00		Each	
ii	125-250 Amp(25KA)	x 24/87.a.	2.00		Laci	
	15 100 Amp (10 KA 15KA)	vi	9.00		Each	
iii)	15-100 Amp (10 KA,15KA)	24/87.a.i i	20.00 No		Each	

			I			<u>Work No.07</u>
No.	Description	Ref.	Quantity	Rate	Unit	Amount
8	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).(a) 6" deep75~100A	24/90-a.ii	25.00		Cft	
			Cft			
9	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.6-40 Amp (6 KA)					
		24/86-a-ii	216.00		Each	
10	Supply and erection of PVC pipe for recessed wiring main andsubmain) purpose, i/c bends, specials etc in floor, walls ortrenches:iii) 100 mm i/d		No			
		24/6.iii	1312.00 Rft		Per Rft	
11	Supplying,Installation and commissioning of MCCB (MouldedCase Circuit Breaker) of specified rating made of LEGRANDFRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKIJAPAN/ABB SWITZERL(with adjustable Thermal-MagneticTrip) in prelaid DBs and Panels i/c the cost of screws,necessary wire complete in all respect as approved anddirected by the Engineer InchargeTripple Pole With Adjustable Thermal- Magnetic Trip/Electronic Trip (60-100%)630- 1600 Amp(50 KA)					
		24/88-a-x	1.00 No		Each	
12	P/F PVC concealed Switch kit Box i/c the cost of screwscomplete as approved and directed by the Engineer Incharge i) Small ii) Large	24/104	250.00 150.00 No		Each Each	
					Total	
1	Electric Work (Non-Schedule Items) Supply & installation of PVC Fan Box with iron bar i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (GM, Bita		102.00		Fach	
	or equivalent)	NS	103.00 No		Each	

						Work No.07
No.	Description	Ref.	Quantity	Rate	Unit	Amount
2	Supply & installation of Ceiling Fans, 56" sweep (As per "Pakistan Energy Lable" certified manufacturers). i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	NS	103.00 No		Each	
3	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 ¼" etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (SK mega or Equivalent)	NS	8.00		Each	
4	Supply & installation of LED 24 W Down Light 6500 K ,2000 Lumen (Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Essential or Equivalent)	NS	128.00 Nos		Each	
5	Supply & installation of Strip (patti) with 20W Led tube rod (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips or Equivalent)	NS	340.00 No.		Each	
6	Supply & installation LED flood light 100 watt Philips quality including casing bracket, hanging arrangement complete in all respects as approved by the Engineer Incharge.	NS	16.00		Each	
7	Supply and Installation of Stainless Steel/Aluminum Exhaust Hood with exhaust fan (170W) and 4 x20W halogen lamp i/c any other accessories required at site. Complete in all respects as approved by Engineer Incharge. (Canon-HD-GL9011 or Equivalent)	NS	No 1.00		Each	
8	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, 11/4" i/d GI pipe 5' long, GI tee & plug for watering also includes common salt, Lime (slaked) and charcoal around copper strip i/c connecting with Electric machine. Complete in all respects as approved and as directed by		No			
	the engineer incharge.	NS	2.00 No		Each	
<u> </u>	Dhumhing Work (Oshadula Kuta)				Total	
1	<u>Plumbing Work (Schedule Items)</u> Providing and fitting glazed earthen ware water closet squatter type (Orissa pattern) combined with foot rest. (Coloured).	19/4ii.	21.00		Each	
			No			

No.	Description	Ref.	Quantity	Rate	Unit	Amount
2	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.					
	i. coloured, with pedestal ii. Under Counter Vanity Basin	19/7.i 19/7.v	6.00 20.00 No		Each Each	
3	Providing and Fixing Crommium plated bib cock 1/2" dia.	19/27.ii	38.00 Nos		Each	
4	Providing and fixing chromium plated pillar- cock, heavy:-	19/24.ii			E	
5	ii) (1/2")Providing and fixing chromium plated tee stop	19/28	6.00 No.		Each	
6	cock '15mm (½"). Providing and fixing BATHROOM ACCESSORIES		34.00 No.		Each	
	(7-piece set) MASTER BRAND - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge	19/23.				
	i) plastic soap dish		12.00		Each	
	ii) plastic toilet paper holder iii) plastic towel rail		12.00		Each	
			12.00 No.		Each	
7	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. ii) coloured	19/13.ii	25.00 No.		Each	
8	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower, as approved by the engineer in charge	19/30.	26.00		Each	
9	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:-'0 ft. to 7.0 ft. (0 to 2.10 m) depth		8848.48 Cft		%0 Cft	
10	Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-79, Class II. Wall B, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing					
i)	310 mm (12") i/d	21/3 i	1,665.00 Rft		P/Rft	
11	Cement plaster 1:3 upto 20' (6.00 m) height:- b) '1⁄2" (13 mm) thick	11/8.b	5676.00 Sft		% Sft	
12	Constructing standard gully grating chamber, 3'x2½' '(900x750 mm), with chinaware trap as per PHED Drawing STD/PD No. 3 of 1977, complete in all respects.					
l	l	21/8.	6.00		Each	

No.	Description	Ref.	Quantity	Rate	Unit	Amount
13	Extra for making and finishing benching floor work in manhole chamber, with 1/8" (3 mm) thick cement finish.	21/9.	No 150.00 Sft		% Sft	
14	Providing, fixing, testing and commissioning of μ-PVC (Unplasticized polyvinyl Chloride) Nikasi /wastepipe Fittings make of dadex /Popular /Beta/ BBJ conformingto code EN- 1401 including thecost of Solvents complete in all respect as approved and directed by the Engineer Incharge. P-Trap 4" dia P-Trap 3" dia Multi-Trap 4" dia Multi-Trap 3" dia Vent Cowel 4" dia	19/49.	69.00 69.00 22.00 22.00 20.00 Nos		Each Each Each Each Each Each	
15	Providing ,fixing testing and commissioning of μ -PVC (Unplasticized polyvinyl Chloride) Nikasi /waste pipe make of dadex /Popular /Beta/BBJ plain/ socket ended conforming to code EN-1401 of specified SDR (Standard Dimension Ratio) including thecost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.Type (SDR 32.5/SN-8)					
	i)4" (110 mm) ii)3" (85 mm)		1905.07 750.00		P/Rft P/Rft	
16	Providing, laying, testing and commissioning of POLY PROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex/Popular/Beta/BBJ) with specified pressurerating PN (PRESSURE NOMINAL) and conforming to DIN 8077-8078 code i/c cost of solvent, specials ,making jharries complete in all respectas approved and directedby Engineer Incharge.(Internal/External Diameters mentioned).	23/47.bi i	Rft			
	PN-20 pipe ii)(3/4") 25 mm iii)(1") 32 mm vi)(2") 63 mm		523.00 1211.00 1050.00 Rft		P/Rft P/Rft P/Rft	
17	Providing and fixing CP bath Room Set made of Sonex/ Master /Faisal comprising of 3- NoTee stop cocks ,lever type Basin Mixer,double Bib Cock,open wall shower,Muslim shower,waste coupling and bottle trap etc.complete in all respect as approved and directed by the Engineer incharge.					
	i)Double Bib Cock ii)Open Type Wall Shower iii)Muslim shower	19/52.	25.00 25.00 25.00		Each Each Each	
	iv)Waste Coupling		25.00 No		Each	

No.	Description	Ref.	Quantity	Rate	Unit	Amount
	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe and waste coupling.	19/8.	6.00 No		Each	
19	Providing and fitting one piece Europeon Coupled set of Water Closet (WC) and flushing Cistern of PORT Abrand (fullsize) i/c the cost of CP /rubber connection ,thimble,normal seat cover and rawal bolts completein all respects as approved and directed by the Engineer Incharge	19/3.	4.00		Each	
	Plumbing Work (Non-Schedule Items)		No		Total	
1	P/F Looking glass imported quality complete in all respect and as approved by the Engineer Incharge.	NS	111.00 Sft		P/ Sft	
2	Providing & fixing floor trap Jali plastic complete in all respect and as approved by the Engineer Incharge.	NS	33.00 No		Each	
3	Providing & fixing floor trap Jali Stainlessteel complete in all respect and as approved by the Engineer Incharge.	NS	37.00 No		Each	
			NO		Total	
1	IT DATA CABELING SYSTEM Supply and erection of PVC pipe for wiring recessed in wallsincluding inspection boxes, pull boxes, hooks, cuttingjharries,and repairing surface, etc.,complete with all specials. i) 3/4" i/d (20 mm) ii) 1" i/d (25 mm) iii) 1.50" i/d (40 mm) iv) 2" i/d (50 mm)	24/3	525.00 530.00 250.00 260.00 Ft		Per Ft Per Ft Per Ft Per Ft	
2	P/F PVC concealed Switch kit Box i/c the cost of screwscomplete as approved and directed by the Engineer Incharge i) Small ii) Large	24/104	50.00 No 50.00		Each Each	
3	Supply, Installation and commissioning of wiring with 4-pairdata Cable, 23 AWG UL/EN listed cable * Conforming tofollowing standards: TIA/EIA 568 / ISO/IEC 11801, in prelaidconduit / cable tray from including all accessories, Manufacturer/OEM Authorization, Make: Schneider / i-connectUK/3M Corning USA/ D-Link/ Pollo Australian or equivalentcomplete in all respect as approved and directed byEngineer Incharge.		No			
		24/106				
	a) UTP (Unshielded Twisted pair) (i) CAT-6 (Min.1G @ 250MHz or higher) (ii) CAT-6A (Min.1G/ 10G @ 500MHz or higher)		600.00 600.00		Per M Per M	

No.	Description	Ref.	Quantity	Rate	Unit	Amount
4	Supply, Installation and commissioning of Simple type, DualShutter Face Plates having fully populated I/O: Option 1:RJ-11 withRJ45/8P8C I/Os supporting either Cat6 or Cat6a cables asrequired by project Option 2: Two RJ45/8P8C I/Os supportingeither Cat6 or Cat6a cables as required by project.					
	(i) Single I/O (ii) Double I/O	24/131	100.00 100.00 No		Each Each	
					Total	

The Islamia University of Bahawalpur Construction of New Girls Hostel No 02 at Bahawalnagar Campus Estimate Based on MRS Junuary to June, 2023 BWN

Estimate

A)	Civil Work		
I	Schedule Items	Rs.	
II	Non-Schedule Items	Rs.	
	Total of Civil Work:	Rs.	-
B)	Electrical Work		
Í	Schedule Items	Rs.	
II	Non-Schedule Items	Rs.	
	Total of Electrical Work	Rs.	-
C)	Plumbing Work		
Í	Schedule Items	Rs.	
II	Non-Schedule Items	Rs.	
	Total of Plumbing Work	Rs.	-
D)	IT DATA CABELING SYSTEM		
Í	Schedule Items	Rs.	
	Total of IT DATA CABELING SYSTEM	Rs.	-
	Total of (A,B,C)	Rs.	
	Add 5 % PST		
	Add 3 % Contingencies		_
	Grand Total		

Project Director/Coordinator

The Islamia University of Bahawalpur

Construction of New Girls Hostel No 02 at Bahawalnagar Campus

Estimate

		ESuma				Work No.08
No.	Description	Ref.	Quantity	Rate	Unit	Amount
1	Civil Work (Schedule Items) Jungle clearance and removing within 100 ft. (30 m).light	3/47.a	46714.13 Sft		%Sft	
2	Excavation in foundation of building, bridges andother structures, including dagbelling, dressing,refilling around structure with excavated earth,watering and rammiing lead 'upto one chain (30m) and lift upto 5 ft. (1.5 m) By Excavator. In ordinary soil.	3/21-B-ii	58486.15 Cft		%oCft	
3	Spraying termite proofing by using liquid FMC / Biflex/ Terminex Exin /Ms Hextaror equivalent @ specified suspension concente rate (SC),Mixing Ability-HEXTAR with Ratio (1:250)=540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contract or for 10-years complete in all respect as approved by the					
	Engineer Incharge.	26/43	62868.25 Sft		Per Sft	
4	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc 500 gauge (.005" thick)	26/37-ii	66260.84 Sft		Per Sft	
5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): i) Ratio 1:4:8 ii)'Ratio (1:2:4)	6/5-i 6/5.f	12668.64 5728.86 Cft		% Cft % Cft	
6	Fabrication of M.S. Reinforcement for cement concrete including bending, laying in position, making joints and fastening i/c cast of binding wire and labour charges for bending of steel reinforcement also includes removal of rust from bars -					
	Deformed Bar Grade 60	6/12-c	135923.78 Kg		% Kg	
7	Providing and laying reinforced cement concrete (includingprestressed concrete), using Ordinary Portland Cement / Sulphateresisting cement / Slag cement as may be required; coarse sand andscreened graded and washed aggregate, in required shape and design,including forms, moulds, shuttering, lifting, compacting,curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-	0/0				
	(2) Type B (nominal mix 1: 1½: 3)	6/6-aiii- 2b	19878.00 Cft		Per Cft	

No.	Description	Ref.	Quantity	Rate	Unit	Amount
8	Providing and laying reinforced cement concrete (includingprestressed concrete), using Ordinary Portland Cement / Sulphateresisting cement / Slag cement as may be required; coarse sand andscreened graded and washed aggregate, in required shape and design,including forms, moulds, shuttering, lifting, compacting,curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- 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.	6/6 ci 2c				
i) ii)	Ground Floor Ratio (1:1½:3) First Floor Ratio (1:1½:3)	6/6-ai-2c 6/6-ai-2c+d	26817.88 1617.44		Per Cft Per Cft	
9	Two coats of bitumen laid hot using 34 lbs. per %Sft, or 1.72 Kg per square metre over roof and blinded with sand at one Cft. per		Cft			
	%Sft. (0.003 cu.m per sq.m)	9/12	37330.70 Sft		%Sft	
10	Providing and fixing theremopore (foamed polythene) sheet in horizontal and vertical expansion joints:					
11	a) 1" (25 mm) thick thermopore sheet Filling, watering and ramming earth under	6/35-a	1852.00 Sft		Per Sft	
	floors:- i) with surplus earth from foundation, etc.	3/15i.	19495.38 Cft		%oCft	
12	Filling, watering and ramming earth under floors:- ii) with new earth excavated from outside,lead upto one chain (30 m). Transportation of earth all types when the total distance,including the lead covered in the item of work,is more than 1000 ft.(300 m) lead upto 5 mile.	3/15- ii+17a,b,	Cit			
		C	195000.00 Cft		%oCft	
13	Pacca brick work in foundation and plinth in:- i) cement, sand mortar:- Ratio 1:4	7/4-i	16556.36 Cft		% Cft	
14	Providing and laying damp proof course of cement concrete 1:2:4 (using cement, sand and shingle), including bitumen coating :- (a) with one coat bitumen and one coat polythene sheet 500 gauge.					
15	ii) 1-1/2" thick (40 mm)	6/36ai	2518.85 Sft		%Sft	
15 i) ii)	Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 Ground Floor First Floor	7/5-i 7/5-i+6i	26024.82 6543.94 Cft		% Cft % Cft	
16 i)	First class brick walling laid in 1:3 cement sand mortar, reinforced with 1" (25 mm) wide 18 gauge hoop iron:- ii) 4 ¹ / ₂ " (113 mm) thick walling with hoop iron, bonding 12" (300 mm) apart. Ground Floor	7/21-ii	6932.50		% Sft	
17	Supplying and filling sand under floor; or plugging in wells.	7/30.	Sft 12373.35 Cft		% Cft	

No.	Description	Ref.	Quantity	Rate	Unit	Work No.08 Amount
18	Dry rammed brick or stone ballast, 1 ¹ / ₂ " to 2"(iter.	Quantity	Trate		Amount
	40 mm to 50 mm) gauge.	6/2	12905.11 Cft		% Cft	
19	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- (1:4:8)	6/3.b	3375.35 Cft		% Cft	
20	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. Ratio 1:3					
i)	Ground Floor up to 20' height	11/10-b	37619.67		% Sft	
ii)	First Floor up to 30' height	11/10- b+11/28	2286.81 Sft		% Sft	
21	Cement plaster 1:4 upto 20' (6.00 m) height:					
i)	Upto 20' heights	44/0 h	400000.00		0/ Off	
ii)	a) '½" (13 mm) thick b) ¾" (20 mm) thick	11/9-b 11/9-c	106932.90 40883.01 Sft		% Sft % Sft	
22	Providing & Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation /Foam Board on roof or wall ,Density 32-38 Kg/M, Compressive Strenght 250-400 kpa,R- Value 5 per inch thickness & water obsorbtion (1% by volume, cell structure clored cell) i/c cutting & placing in position complete in all respect . b)1.5" Thick					
		9/45.b	29846.72		%Sft	
23	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof 'slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.mbitumen coating sand blinded.		Sft			
		9/5.	29846.72 Sft		%Sft	
24	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	9/15.	27.00 No		Each	
25	Providing and fixing mild steel chowkat of doors, windows, C.window, etc. including holdfast, making and threading holes for hinges, etc. complete:- a) M.S. angle iron 1½"x 1½"x ¼" (40x40x6 mm) welded with M.S. flat 2"x ¼" (50 mm x 6 mm)					
		12/15-a	2765.00 Sft		Per Sft	
26	P/F1-1/2"thick solid flush door comprising of 2.5mm thick Deodar/Ash/Oak ply with grooves,compressed over 2.5mm thick commercial ply over 1"thick packing woodin style and rails under proper pressure i/c the cost of nails,tower bolt,handles,glue,sawing charges and lacquar polishing to show the grains of plyproperly,sand papering and 3/8" thick matching wooden lippingas approved and directed by the Engineer Incharge.					
		12/52.	1925.00 Sft		Per Sft	

		1				Work No.08
No.	Description	Ref.	Quantity	Rate	Unit	Amount
27	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels. 'Size 1 ¹ / ₂ " x 3/8" (40 x 10 mm)	10/40.a	2,566.36 Rft		Per Rft	
28	Providing and laying topping of cement concrete 1:2:4,including surface finishing and dividing in panels: 1.5"(40 mm) thick	10/15-c	8,576.97 Sft		% Sft	
29	Preparing surface and painting with emulsion paint:- New surface 3-coats	13/31. i+ii+ii	106932.91 Sft		%Sft	
30	Painting new surface:- Preparing surface and painting of doors and windows any type (including edges):- 3-Coats	13/5-c i+ii+ii	1925.00 Sft		%Sft	
31	Priming coat of chalk under distemper.	11/22.	39906.48 Sft		%Sft	
32	Distempering:- a) new surface:- iii) three coats	11/23.a.i ii	39906.48 Sft		%Sft	
33	Providing and fixing 6 in(150 mm). wide curved sheet of required shape fixed on face of the construction joint with G.I.screw,1.5 in (40 mm) long to cover construction joints vertically:-G.I sheet 18 SWG	6/27-ii	1450.00		P/Rft	
34	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface,		Rft			
i)	application of primer complete in all respect: new surface: 2-Coats upto 20' height	13/33-a- i+ii	40883.01 Sft		% Sft	
35	P/F3/4"dia heavy duty sliding bolt of specified material i/c thecost of hardware complete in all respect as approved and directed by the Engineer Incharge. (B)Brass sliding bolt, 10" (250 mm) long	12/61-B- i	172.00		Each	
36	P/F3/4"dia heavy duty sliding bolt of specified material i/c thecost of hardware complete in all respect as approved and directed by the Engineer Incharge.(A) Iron i) Iron sliding bolt, 10" (250 mm) long	12/61-A.i	Nos 91.00		Each	
	ii) Iron sliding bolt, 12" (300 mm) long	12/61-A.i	91.00 95.00 Nos		Each	
37	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	10/41.b	6306.83 Sft		Per Sft	

						Work No.08
No.	Description	Ref.	Quantity	Rate	Unit	Amount
38	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of M/s Al-Cop or Pakistan 'Cables having frame size of 100 x 20 mm (4"x¾") and 'leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6 mm 'thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in- charge.	25/52.	2720.00		Per Sft	
39	Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour/powder coated of size 1-1/2"x1/2" and 1.6 mm thick with rubber gasket i /c cost of Hardwares as approved and directed by the engineer incharge complete in all respect.		Sft			
		25/53.	1360.00		Per Sft	
			Sft			
40	Providing and fixing G.I. wire gauze 22 SWG, 12x12 'meshes per square inch, (5x5 meshes in cm2) fixed to steel window, complete with flat iron patti ½"x 1/8" (13 mmx3 mm) and machine made screws.	12/55.	707.04		P/Sft	
44	Clearing with papers (16 erg to 18 erg.) including east	12/45.b	Sft			
41	Glazing with panes (16 oz. to 18 oz.,) including cost of putty.	12/45.0	65.90 Sft		P/Sft	
42	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick(1:3)cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge.Full body Glazed tiles.400mmx 400 mm	10/42.a.i	26672.69 Sft		Per Sft	
43	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. a) 3/8" Squar Bars		51			
		25/59.i	2720.00 Sft		Per Sft	

_		_	_ Г			Work No.08
No.	Description	Ref.	Quantity	Rate	Unit	Amount
44	Providing and fixing 2" wide M S Chowkats in gel / double rebate made of 16 SWG MS sheet pressed /welded /supported with M.S.flat 1-1/4"x1/8"i/c6" long M.S. Flat 1"x1/8" hold fasts (6-Nos) welded /screwed, punching of lock hole covered with MS Box, coating with anti rust paint including filling with cement sand mortar (1:8) and embedding hold fastin cement concrete (1:2:4), complete in all respect as approved and directed by Engineer Incharge.					
	(i) 10.50 " wide	12/17ii	548.00 Sft		Per Sft	
45	Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as perapproved design with adhesive bond, over 3/4" thick(1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge.12"x18"/12"x24"/10"x24" /8"x24"/12"x36"					
		10/24.i	2225.07 Sft		P/Sft	
46	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy/Matt/Texture skirting / dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cemen tplaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge.12"x18"/12"x24"/10"x24"		JI			
	/8"x24"/12"x36"	10/25.i	9153.85		Per Sft	
47	Providing and laying 3/8 inch thick superb class Multani tiles of specified size and design of approved Colorand Shade with adhesive bond ,over1/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge.	.10/44	Sft 238.20 Sft		P/Sft	
48	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed ,complete in all respect as approved and directed by the Engineer Incharge.3/4" thick	10/50.i	2398.84		Per Sft	
49	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carbor and amdisc as approved	10/30.1	2396.84 Sft			
	and directed by the Engineer Incharge.	10/48.	980.00		Per Rft	
		10/40.	Rft			

No	Description	Def	Quantity	Data	llmit	Work No.08
No.	Description	Ref.	Quantity	Rate	Unit	Amount
50	Extra cost for making hole in Marble slab for fixtures, Sink, burners, basin Vanities i/c cost of bevelling of internal edge as approved and directed by the Engineer Incharge.					
		10/49.	24.00 Nos		Each	
51	Providing embeding 10" (250 mm) wide ¼" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof					
	slab complete in all respects.	6/31.	350.00 P/Rft		Per Rft	
52	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer					
	Incharge.	25/64	516.64 Rft		P/Rft	
53	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge.a) Full body Glazed Tile					
	400mmx 400 mm	10/43.a.i	3377.80 Sft		Per Sft	
54	Providing and applying wall putty of 2 mm thickness over plastered surface (new surface) to prepare the surface even and smooth complete in all respect.	13/46	106932.91 Sft		% Sft	
55	Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bolt,lock and chowkats (frame), etc.) as approved and directed by the Engineer InchargeOak/Ash wood Door(iii) 1-1/2" thick (40 mm)		Sit			
56	Providing and fixing Vin board cabinet 3/4" thick	12/7 b.iii	72.00		Per Sft	
	with drawers 3"deep in 'Kitchen including termite proofing and polishing with synthetic enamel as specified, with handles	12/59				
	hinges,screws etc., complete in all respects					
	i) 2' deep,without back		46.20		Per Sft	
	ii)2' deep,with back		67.90		Per Sft	
			Sft		Total	

No.	Description	Ref.	Quantity	Rate	Unit	Work No.08 Amount
110.	Civil Work (Non-Schedule Items)	1.01.	Quantity	Title		Anount
1	Making and errecting in position MS Grill Door with M.S box pipe 1.5"x1.5" main frame and M.S Box pipe 1/2"x1/2", 18 SWG for grill, complete in all respects and duly painted as approved by the Engineer Incharge.(Fly/Mosquito Proof Grill Doors for Fixing at Gallaries openings)	NS	1190.25 Sft		Per Sft	
2	Providing and fixing 3/4" thick laminated Board shutter with 3/4" x 3/4" deodar wood beading wardrobe frame of 3"x1.5" M.S Box pipe 18 SWG including catchers, lock, CP hanger rod with hooks, hinges, french polish on beading complete in all respects including hanger rod etc. as approved by the Engineer Incharge.	NS	8316.00 Sft		Per Sft	
3	Providing & Fixing uPVC door 1.25" thick wooden colour i/c hinges, door handle with locking arrangement complete in all respects.	NS	857.50		Per Sft	
4	Providing & Fixing Magnet stopper for doors with screws best quality complete in all respects as approved by the Engineer Incharge.	NS	Sft 160.00 Nos		Each	
5	Preparing surface & applying siprit polish best quality complete in all respects as approved by the Engineer Incharge.	NS	144.00 Sft Sft		P/Sft	
6	Providing, applying and filling expansion joint with 2"x ¾" thick elastomeric sealant of approved manufacture over backing rod complete in all respect according to manufactures recommendations and to the entire satisfaction of the engineer incharge	NS	650.00 Rft		P/Rft	
7	Subsequent carriage of crushed stone aggregate total distance from Sargodha to Bahawalnagar IUB Campus at site of work average 278 KM		74947.48 Cft		% Cft	
1	Electric Work (Schedule Items) 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.				Total	
	i) 20 mm i/d ii) 25 mm i/d iii) 1.5" i/d (40 mm) iv)2" i/d (50 mm)	24/3-ii 24/3-iii 24/3-v 24/3-vi	8514.91 13277.60 150.00 1381.00 Rft		Per Rft Per Rft Per Rft Per Rft	

No.	Description	Ref.	Quantity	Rate	Unit	Work No.08 Amount
2	Supply and erection of single core PVC	Rei.	Quantity	Nale	Unit	Amount
2	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). a)					
	250/440 volts, PVC insulated:					
	3/0.74 mm (3/0.029")	24/10-i	12668.00		Per Rft	
i)	3/0.91 mm (3/0.036")	24/10-ii	34248.00		Per Rft	
ii)	7/0.74 mm (7/0.029")	24/10-iii	20125.00		Per Rft	
iii)	7/0.91 mm (7/0.036")	24/10 iii 24/10-iv	10553.00		Per Rft	
iv)	7/1.12 mm (7/0.044")	24/10-v	2208.00		Per Rft	
v)	7/1.63 mm (7/0.064")	24/10-vi	6677.00		Per Rft	
vi)	19/1.32 mm (19/0.052")	24/10-viii	2460.00		Per Rft	
v 1)		24/10 VIII	Rft			
3	Supply and erection of copper conductor					
•	cablesfor service connection, in prelaid					
	pipe/G.I.wire/trenches, etc. (rate for cable					
	only):- PVCinsulated, PVC sheathed 4 core					
	660/1100 voltgrade cable, armoured with G.I.					
	wire 16 SWG.	24/13-d				
	i) 185 mm (37/0.103")	24/10 0	79.27		Per M	
			Per M			
	ii)16 mm (7/0.064")	24/13	375.00		Per M	
		24/10	Per M			
4	Providing and fixing Copper winded Exhaust					
т	fan with louver and shutter made of					
	Pak/Younas/G.F.C. i/c the cost of necessary					
	cable and hardware for connection from					
	ceiling rose complete as approved and					
	directed by Engineer Incharge.	24/102.a.ii				
i	.Plastic body 12 " dia	24/ 102.a.II	15.00		Each	
ii	Steel body 18" sweep		3.00		Each	
	Steel body to sweep		No		Lach	
5	P/F PVC double layer Switch kit Faceplate		NO			
0	with specified switch holes i/c the cost of					
	switches / sockets / dimmer made of Hi-Life /					
	Bush / Schenider, screws complete as					
	approved and directed by the Engineer					
	Incharge	24/103.a				
	One way Gange Switch					
	Small					
	03 Gange		108.00		Each	
	Three pin Light Plug 10/13 Amp		110.00		Each	
	Fan Dimmer		103.00		Each	
	Three Pin Power Plug 15-32 Amp		96.00		Each	
	Large					
	04 Gange		57.00		Each	
	05 Gange		24.00		Each	
	06 Gange		32.00		Each	
	Two way Gange Switch small		~			
	03 Gange		108.00		Each	
	04 Gange		11.00		Each	
			No			

No.	Description	Ref.	Quantity	Rate	Unit	Work No.08 Amount
1 NO . 6	Description	Rei.	Quantity	Rale	Unit	Amount
0	and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour <i>i/c</i> the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity ,Door Earthing, Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).3.00 Ft deep 2500~3200A)					
		24/91.i,b,iv.	105.00 Cft		Cft	
7	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. There Pole					
	300-630 Amp(36 KA)	24/87.a.x	2.00		Each	
i	125-250 Amp(25KA)					
ii	15-100 Amp (10 KA,15KA)	24/87.a.vi	9.00		Each	
iii)		24/87.a.ii	20.00 No		Each	
8	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).(a) 6" deep75~100A	24/90-a.ii	25.00 Cft		Cft	
9	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.6-40 Amp (6 KA)					
		24/86-a-ii	216.00 No		Each	
10	Supply and erection of PVC pipe for recessed wiring main andsubmain) purpose, i/c bends, specials etc in floor, walls ortrenches:iii) 100 mm i/d					
		24/6.iii	1312.00 Rft		Per Rft	

Na	Description	Dof	Quantit	Data	110:4	Work No.08
No. 11	Description	Ref.	Quantity	Rate	Unit	Amount
11	Supplying,Installation and commissioning of MCCB (MouldedCase Circuit Breaker) of specified rating made of LEGRANDFRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKIJAPAN/ABB SWITZERL(with adjustable Thermal-MagneticTrip) in prelaid DBs and Panels i/c the cost of screws,necessary wire complete in all respect as approved anddirected by the Engineer InchargeTripple Pole With Adjustable Thermal- Magnetic Trip/Electronic Trip (60-100%)630- 1600 Amp(50 KA)					
		24/88-a-x	1.00 No		Each	
12	P/F PVC concealed Switch kit Box i/c the cost of screwscomplete as approved and directed by the Engineer Incharge i) Small ii) Large	24/104	250.00 150.00 No		Each Each	
	Flastria Wark (New Cabadula Karaa)			Total		
1	Electric Work (Non-Schedule Items) Supply & installation of PVC Fan Box with iron bar i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (GM, Bita or equivalent)	NS	103.00 No		Each	
2	Supply & installation of Ceiling Fans, 56" sweep (As per "Pakistan Energy Lable" certified manufacturers). i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	NS	103.00 No		Each	
3	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 ¼" etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (SK mega or Equivalent)	NS	8.00		Each	
4	Supply & installation of LED 24 W Down Light 6500 K ,2000 Lumen (Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Essential or Equivalent)	NS	128.00		Each	
5	Supply & installation of Strip (patti) with 20W Led tube rod (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips or Equivalent)	NS	Nos 340.00 No.		Each	
6	Supply & installation LED flood light 100 watt Philips quality including casing bracket, hanging arrangement complete in all respects as approved by the Engineer Incharge.	NS	16.00		Each	

						Work No.08
No.	Description	Ref.	Quantity	Rate	Unit	Amount
8	Supply and Installation of Stainless Steel/Aluminum Exhaust Hood with exhaust fan (170W) and 4 x20W halogen lamp i/c any other accessories required at site. Complete in all respects as approved by Engineer Incharge. (Canon-HD-GL9011 or Equivalent) Providing and Laying earthing for Electric Machines I/c boring up to moisture level (up to 60' below ground level) 4" i/d including copper strip 14" x 2" x 1/4" (350 x 50 x 6 mm) connecting with 1 Nos.bare copper wire of No.8 SWG to be run in PVC pipe 20mm i/d, 1¼" i/d GI pipe 5' long, GI tee & plug for watering also includes common salt, Lime (slaked) and charcoal around copper strip i/c connecting with Electric machine. Complete in all respects as approved and as directed by the engineer incharge.	NS	1.00 No		Each	
		NS	2.00 No		Each	
					Total	
1	Plumbing Work (Schedule Items) Providing and fitting glazed earthen ware water closet squatter type (Orissa pattern) combined with foot rest. (Coloured).	19/4ii.	21.00 No		Each	
2	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.					
	i. coloured, with pedestal ii. Under Counter Vanity Basin	19/7.i 19/7.v	6.00 20.00 No		Each Each	
3	Providing and Fixing Crommium plated bib cock 1/2" dia.	19/27.ii	38.00 Nos		Each	
4	Providing and fixing chromium plated pillar- cock, heavy:- ii) (1/2")	19/24.ii	6.00 No.		Each	
5	Providing and fixing chromium plated tee stop cock '15mm (½").	19/28	34.00 No.		Each	
6	Providing and fixing BATHROOM ACCESSORIES (7-piece set) MASTER BRAND - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge	19/23.				
	i) plastic soap dishii) plastic toilet paper holderiii) plastic towel rail		12.00 12.00 12.00 No.		Each Each Each	
7	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. ii) coloured	19/13.ii	25.00 No		Each	
8	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower, as approved by the engineer in charge					
		19/30.	26.00 No		Each	

No.	Description	Ref.	Quantity	Rate	Unit	Work No.08 Amount
9	Earthwork excavation in open cutting for	itter.	Quantity	Nate		Amount
5	sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:-'0 ft. to 7.0 ft. (0 to 2.10 m) depth	3/42-i	8848.48 Cft		%0 Cft	
10	Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-79, Class II. Wall B, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing		Ölt			
i)	310 mm (12") i/d	21/3 i	1,215.00 Rft		P/Rft	
11	Cement plaster 1:3 upto 20' (6.00 m) height:- b) '½" (13 mm) thick	11/8.b	5676.00 Sft		% Sft	
12	Constructing standard gully grating chamber, 3'x2½' '(900x750 mm), with chinaware trap as per PHED Drawing STD/PD No. 3 of 1977, complete in all respects.					
4.0		21/8.	6.00 No		Each	
13	Extra for making and finishing benching floor work in manhole chamber, with 1/8" (3 mm) thick cement finish.	21/9.	150.00 Sft		% Sft	
14	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized polyvinyl Chloride) Nikasi /wastepipe Fittings make of dadex /Popular /Beta/ BBJ conformingto code EN- 1401 including thecost of Solvents complete in all respect as approved and directed by the Engineer Incharge.	19/49.				
	P-Trap 4" dia P-Trap 3" dia Multi-Trap 4" dia Multi-Trap 3" dia Vent Cowel 4" dia		69.00 69.00 22.00 22.00 20.00 Nos		Each Each Each Each Each	
15	Providing ,fixing testing and commissioning of μ -PVC (Unplasticized polyvinyl Chloride) Nikasi /waste pipe make of dadex /Popular /Beta/BBJ plain/ socket ended conforming to code EN-1401 of specified SDR (Standard Dimension Ratio) including thecost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.Type (SDR 32.5/SN-8)					
	i)4" (110 mm) ii)3" (85 mm)	19/47.	1905.07 750.00 Rft		P/Rft P/Rft	

c C r s C J jj a l	Description Providing, laying, testing and commissioning of POLY PROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex/Popular/Beta/BBJ) with specified pressurerating PN (PRESSURE NOMINAL) and conforming to DIN 8077-8078 code i/c cost of solvent, specials ,making harries complete in all respectas approved and directedby Engineer Incharge.(Internal/External Diameters	Ref.	Quantity	Rate	Unit	Amount
c C r s C J jj a l	of POLY PROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex/Popular/Beta/BBJ) with specified pressurerating PN (PRESSURE NOMINAL) and conforming to DIN 8077-8078 code i/c cost of solvent, specials ,making harries complete in all respectas approved and directedby Engineer					
r s l jj a	made of (Dadex/Popular/Beta/BBJ) with specified pressurerating PN (PRESSURE NOMINAL) and conforming to DIN 8077-8078 code i/c cost of solvent, specials ,making harries complete in all respectas approved and directedby Engineer					
s M ji a I	specified pressurerating PN (PRESSURE NOMINAL) and conforming to DIN 8077-8078 code i/c cost of solvent, specials ,making harries complete in all respectas approved and directedby Engineer					
۲ ز ا ا	NOMINAL) and conforming to DIN 8077-8078 code i/c cost of solvent, specials ,making harries complete in all respectas approved and directedby Engineer					
c ji a	code i/c cost of solvent, specials ,making harries complete in all respectas approved and directedby Engineer					
ji a I	harries complete in all respectas approved and directedby Engineer					
a	and directedby Engineer					
	Incharge.(Internal/External Diameters					
r	- ·					
	mentioned).					
I.		23/47.bii				
	PN-20 pipe		523.00		P/Rft	
	i)(3/4") 25 mm ii)(1") 32 mm		1211.00		P/Rit P/Rft	
	vi)(2") 63 mm		1050.00		P/Rft	
			Rft			
	Providing and fixing CP bath Room Set made					
	of Sonex/ Master /Faisal comprising of 3-					
	NoTee stop cocks ,lever type Basin					
	Mixer,double Bib Cock,open wall shower,Muslim shower,waste coupling and					
	bottle trap etc.complete in all respect as					
	approved and directed by the Engineer					
	ncharge.	19/52.				
i)Double Bib Cock		25.00		Each	
	i)Open Type Wall Shower		25.00		Each	
	ii)Muslim shower		25.00		Each	
ľ	v)Waste Coupling		25.00		Each	
18 F	Providing and fixing stainless steel sink with		No			
	drain board, size 120x60 cm (48"x24")					
	ncluding bracket set, waste pipe and waste					
c	coupling.	19/8.	6.00		Each	
		10/0.	No.		Laon	
	Providing and fitting one piece Europeon					
	Coupled set of Water Closet (WC) and					
	flushing Cistern of PORT Abrand (fullsize) i/c					
	the cost of CP /rubber connection thimble, normal seat cover and rawal bolts					
	completein all respects as approved and					
	directed by the Engineer Incharge	10/2	4.00		F aab	
		19/3.	4.00 No		Each	
					Total	
	Plumbing Work (Non-Schedule Items)					
	P/F Looking glass imported quality complete					
	n all respect and as approved by the		111.00		DICH	
ľ	Engineer Incharge.	NS	111.00 Sft		P/ Sft	
2 F	Providing & fixing floor trap Jali plastic		Sit			
	complete in all respect and as approved by					
	the Engineer Incharge.	NS	33.00		Each	
			No			
	Providing & fixing floor trap Jali Stainlessteel					
	complete in all respect and as approved by the Engineer Incharge.	NS	37.00		Each	
ľ	are Engineer monarye.	110	No			
\rightarrow			-		Total	

						Work No.08
No.	Description	Ref.	Quantity	Rate	Unit	Amount
	IT DATA CABELING SYSTEM					
1	Supply and erection of PVC pipe for wiring recessed in wallsincluding inspection boxes, pull boxes, hooks, cuttingjharries,and repairing surface, etc.,complete with all specials. i) 3/4" i/d (20 mm) ii) 1" i/d (25 mm) iii) 1.50" i/d (40 mm)	24/3	525.00 530.00 250.00		Per Ft Per Ft Per Ft	
	iv) 2" i/d (50 mm)		260.00		Per Ft	
2	P/F PVC concealed Switch kit Box i/c the cost of screwscomplete as approved and directed by the Engineer Incharge i) Small	24/104	Ft 50.00 No		Each	
	ii) Large		50.00 No		Each	
3	Supply, Installation and commissioning of wiring with 4-pairdata Cable, 23 AWG UL/EN listed cable * Conforming tofollowing standards: TIA/EIA 568 / ISO/IEC 11801, in prelaidconduit / cable tray from including all accessories, Manufacturer/OEM Authorization, Make: Schneider / i-connectUK/3M Corning USA/ D-Link/ Pollo Australian or equivalentcomplete in all respect as approved and directed byEngineer Incharge.	24/106				
	a) UTP (Unshielded Twisted pair) (i) CAT-6 (Min.1G @ 250MHz or higher) (ii) CAT-6A (Min.1G/ 10G @ 500MHz or higher)	24/100	600.00 600.00 M		Per M Per M	
4	Supply, Installation and commissioning of Simple type, DualShutter Face Plates having fully populated I/O: Option 1:RJ-11 withRJ45/8P8C I/Os supporting either Cat6 or Cat6a cables asrequired by project Option 2: Two RJ45/8P8C I/Os supportingeither Cat6 or Cat6a cables as required by project.					
		24/131	400.00			
	(i) Single I/O (ii) Double I/O		100.00 100.00 No		Each Each	
				Tota	al	



<u>Islamia University of Bahawalpur – IUB</u>

CONSTRUCTION OF ACADEMIC BLOCK

FOR THE ISLAMIA UNIVERSITY OF BAHAWALPUR SUB-CAMPUS AT AHMADPUR EAST UNDER THE PROJECT TITLED "STRENGTHENING OF ISLAMIA UNIVERSITY OF BAHAWALPUR & ITS SUB CAMPUSES"

Bill of Quantities

May, 2023

ESTABLISHMENT AND DEVELOPMENT OF THE ISLAMIA UNIVERSITY OF BAHAWALPUR SUB CAMPUS AT AHMADPUR EAST ACADEMIC BLOCK

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BILL OF QUANTITIES

SUMMARY OF COST

Sr. No.	DESCRIPT	ION	AMOUNT
1.			
2.	PUBLIC HEALTH WORKS		n and the summer of all
3.	ELECTRIC WORKS		² 14 da narma na
	Main Building	TOTAL - A	
4.	EXTERNAL DEVELOPMENT		· · · · · · · · · · · · · · · · · · ·
	External Civil Works	TOTAL - B	
	SUB-TOTAL	(A+B)	
5.	HVAC WORKS		·········
	HVAC Works	TOTAL - C	where the second s
	SUB-TOTAL (/	A+B)+C	
	ADD PS	Т	
	GRAND TO	TAL	



ESTABLISHMENT AND DEVELOPMENT OF THE ISLAMIA UNIVERSITY OF BAHAWALPUR SUB CAMPUS AT AHMADPUR EAST ACADEMIC BLOCK

BILL OF QUANTITIES

		CIVIL WORKS				
Sr. No.	Item No.	Description of Item	Unit	Qty	Rate	Amount
1	C-3/21(a)-(ii)	Excavation in foundation of building, bridges and other structures, including dagbeiling, dressing, refilling around structure with excavated earth, watering and rammiing lead 'upto one chain (30 m) and lift upto 5 ft. (1.5 m) a) By Manual; in ordinary soil.		195774.8		
2	C-26/43	Spraying anti termite proofing by using liquid FMC Biflex 2.5%EC Per Sfi 1.20 10.00 Sq.m 13.00 107.50 Mixing Ratio 1:50=137-Sft or using liquid MIRAGE Ali Akbar /RANGERS Auriga 5% SC Mixing Ability-HEXTAR Ratio 1:110=205-Sft or any other equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10- years complete in all respect .as approved by the Engineer Incharge				
3	Č-6/5(i)	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):Ratio 1:4:8		176847.6		
4	C-6/6 a-i (2)	Reinforced cernent concrete in roof slab, beams, columns lintels, girders and other structural members laid in sltu 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		13249.8		
5	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		35072.3		
6	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	34832.2 27632.4		
7	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.		3159.7		<u> </u>
8		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		5942.1	-	<u> </u>
9		Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Type B (nominal mix 1: 1.5: 3), Ground Floor		7505.9		
10	(2)+d	Reinforced cement concrete in roof siab, 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.			······	
11	(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 P.Cft	6011.8		
12	ļ	Fabrication of mild steel reinforcement for comment 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)		52.8	-	
			_%Kg	408181.8		



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Sr. No.	item No.	Description of Item	Unit	Qty	Rate	Amount
13	C-7/4(i)	Pacca brick work in foundation and plinth in Cement,sand mortar. Ratio 1:6	%Cft	72011.7		
14	C-3/15(i)	Filling, watering, ramming earth under floors (with surplus earth foundation).	%0Cft	65258.3		
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	297690.4		
16	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 7km)				
	а	upto ¼ mile (400 m).	%0Cft	297690.4		
	b	for every 330 ft. (100 m) additional lead or part thereof, beyond ½ mile (400 m) upto one mile. (1.6 Km.)	%0Cft	297690,4		
	c	for every ¼ mile (400 m) additional lead or part thereof, beyond one mile (1.6 Km.) upto 5 mile (8 Km).	%0Cft	297690.4		
17	C-7/5(i)	Pacca brick work in ground floor cement, sand mortar Ratio 1:5	0/.06	33605.3		
18	C-7/5(i)	Pacca brick work in ground floor cement, sand mortar Ratio 1:4	%Cft %Cft	33695.2 768		
19	., .,	Pacca brick work in First floor cement, sand mortar Ratio 1:5	%Cft	25050.0		
20		Pacca brick work in First floor cement, sand mortar Ratio 1:4	%Cft	1164.6		
21	C-11/11(b)	Cement plaster 1:5 upto 20' (6.00 m) height:- ½" (13 mm) thick. (Internal Ground Floor)	%Sft	79125.5		
22	C-11/11(c)	Cement plaster 1:5 upto 20' (6.00 m) height:- c) ¾" (20 mm) thick. (Internal Ground Floor)	%Sft	41697.1		
23	C-11/9-c	Cement plaster 1:4 Ground Floor:- c) ¾* (20 mm) thick (External)	%Sft			
24	C-11/9-c + 28	Cement plaster 1:4 First Floor:- c) 1/2" (20 mm) thick (External)	%Sft	33541.7 29242.8		
25	C-11/9-c + 28	Cement plaster 1:4 Second Floor:- c) %" (20 mm) thick (External)	%Sft	110379.6		
26	C-7/38-(i)	Providing and laying fair face Gutka cladding laid in (1:2) cement / red posso mortar having 1/4" thick groove finish i/c cost of 8 SWG wire in shape of 8 placed horizontally and vertically at 36" and 18" c/c respectively i/c cutting charges as per approved drawing , complete in all respect as approved and directed by the Engineer Incharg i. 2-1/4" x 2-1/4" x 9"	P.Sft	59283,40		
27	C-9/48 (iv)	Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2x2'/2'x3'/ 3'x3'of specified design and thickness i/c cost of fixtures i.e galvanized angle 1" x 1" at wall sides, galvanized tee 11/4" x 1"and 1 1/4" x 1" both at 4' c/c (made of Taiwan CKM or equivalent), hanging with G.t/Copper wire 16 SWG, G.t hook, Rawal Plug etc: complete in all respects as approved and directed by the Engineer Incharge. iv) 12 mm thick	P.Sft	83918.2		
28	C-11/23-a- (iii)	Distempering:- a) new surface:- 3 coats	%Sft	120822.60		
29	C-13/46	Providing and applying wall putty of 2mm thickness over plastered surface (new surface) to prepare the surface even and smooth complete in all respect.				
30	C-13/33-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: a) new surface: Two coats	%Sft %Sft	241645.20		
31		Providing, laying, watering and ramming brick ballast 11/2" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.	%Sit	6587.04		
32	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		27245.4		
}			%Cft	13038.9		<u> </u>

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Sr. No.	ltem No.	Description of Item	Unit	Qty	Rate	Amount
33	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	%\$ft	7430.6		
34	Ċ-9/35 (iii)	Providing and laying roof insulation, comprising of single layer of tiles 9"x4½"x1½" (225x113x40 mm) grouted with cement sand mortar 1:3 laid over 2" (50 mm) thick earth (including mud plaster) over thermopore sheet, over polythene sheet 300 gauge over a layer of biturnen, complete in all respects:- iii) Thermopore sheet 1" (25 mm) thick	%Sft	47457.5		
35	C-9/15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	Each	36.0		
36	Ch 10/42- a- (ii)	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster <i>i/c</i> the cost of sealer for finishing the joints <i>i/c</i> cutting grinding complete in all respect as approved and directed by the Engineer inchargea) Full body Glazed tiles (ii) 600 mm x 600 mm.	P.Sft	78611.82		
37	Ch 10/43-a- (ii)	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster I/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge.a) Full body Glazed tiles (ii) 600 mm x 600 mm.	P.Sft	7572.35		
38	C-10/22(a)	1½"(40 mm) thick mosaic flooring, consisting of ½ "(13 mm) mosaic topping of one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1"(25 mm) thick floor of 1:2:4 cement concrete, including rubbing and polishing complete with finishing :- (a) using Grey cement. Ground Floor	%Sft	264.57		
39	C-10/37 (a-ii)	Mosaic dado or skirting with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over $\frac{1}{2}(13 \text{ mm})$ thick cement plaster 1:3, including rubbing and polishing, complete with finishing: (a) using Grey cement : ii) $\frac{1}{2}(13 \text{ mm})$ thick	%Sft	270.19		
40	C-10/24(i)	Providing and laying superb quality Ceramic tile floors of Master brand of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4* thick (1;2) cament sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. i) 12*x18*/12*x24*/10*x24* /8*x24*/12*x36*				
41	C-10/25(i)	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size, Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"		1582.94		
42	C-10/50 (i)	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge. (i) 3/4" thick	P.Sft	5333.32 11460.46		
43	C-10/48	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carborandam disc as approved and directed by the Engineer Incharge.	P.Rft	8676.15		
44	C-10/49	Extra cost for making hole in Marble slab for fixtures, Sink,burners, basin Vanities i/c cost of bevelling of internal edge as approved and directed by the Engineer Incharge.	Each	6.00		
45	C-12/51	P/F 1-1/2° thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges, Painting charges, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.	P.Sft	3031.88		



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Sr. No.	ltem No.	Description of item	Unit	Qty	Rate	Amount
46	C-12/61 (b) - (ii)	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by theEngineer Incharge. (ii) 12" (300 mm) long	Each	89.00		
47	C-12/22	Providing and fixing, approved quality mortice lock	Each	89.00		·
48	C- 12/17 - (II)	Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1- 1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock hole covered with MS Box,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge.(ii) 10.50 " wide	P.Sft	3031.68		
49	C-13/5 c(i+ii)	Painting new surface:- c) Preparing surface and painting of doors and windows any type (including edges):- 3 coats (Chowkats)	%Sft	7568.36		
50	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 $(1\frac{1}{2}^* \times 4^*)$ and leaf frame of 60x40mm $(2\frac{1}{2}^*x1\frac{1}{2}^*)$ wide sections including the cost of $\frac{1}{2}^*$ (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.		322.7		
51	C-25/52	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 20 mm ($4^{1}x^{3/4}^{1}$) and leaf frame sections of 50 x 20 mm ($2^{1}x^{3/4}^{1}$), all of 1.6mm hickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	P.Sit	6044.8		
52	C-25/53	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire gauze (Malasian) fixed in aluminum frame of approved manufacturer brownze colour / powder coated of size 1-1/2" x 1/2" and 1.6mm thick with rubber gasket i/c cost of hardwares as approved and directed by the engineer incharge complete in all respect.	P.Sft	6044.8		
53	Ch-25/59-(ii)	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/ horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (ii) 1/2" Squar Bars	P.Sft	6044.77		
54	Ch-25/64	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe/ Tong (chimta) @ 2-ft c/c fixed on atternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, <i>i/c</i> stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.	P.Rft	345.45		
55	C-25/57	Providing and fixing aluminium glazed partition of anodized / powder coated using section of M/s, Al-Cop/ Pakistan Cable having 2 mm thick Frame size D48-A, i/c 12 mm tinted TEMPERED glass with sand blasting and edge polishing i/c the cost of tear resistance film, rubber gasket and hardware etc. complete in all respect as approved and directed by the Engineer Incharge. (Floor hinge will be paid separately)	P.Sft	9935.70		
56	C-13/9(i)	Bitumen coating to plastered or cement concrete surface:-I) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	<u>₽.sn</u> %Sft	5061.5		·····
57		Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc.ii)500 gauge (.005" thick)	P.Sft	52519,0		
58	C-19/40 (ili)	Supply and fitting of cast iron manhole cover with frame, etc. complete. iii) 60 cm (24*) dia	Each	1.00		· · · · · · · · · · · · · · · · · · ·



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Sr. No.	ltem No.	Description of item	Unit	Qty	Rate	Amount
59	C-21/13	Providing and fixing 11/2"x11/2"x3/16" (31x31x5 mm) angle iron step, in manhote chambers, including carriage and setting the same in work to correct lines and levels.				
60	C-6/31	Providing embeding 10" (250 mm) wide ¼" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.		6.00		
61	C-6/28/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:- a) On interior surface (without mastic strip)		65.45 813.64		
62	C-6/28/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:- b) On exterior surface (with mastic strip)		546.82		
63	C-6/35/b	Providing and fixing theremopore (foamed polythene) sheet in horizontal and vertical expansion joints: b) 11/2" (40 mm) thick thermopore sheet				• • · · · · ·
64	C-6/55	Providing and mixing super plasticizer (water reducing admixture) as defined in ASTM C-94 in order to achieve the required consistancy / workability measured by the slump, used in the ratio of (0.05% to 1.00%) by weight of cement as proposed by the designer etc complete in all respect.	P.Sft P.Ltr	4669.35	<u>.</u>	
65	C-1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. (Sargodha to Ahmadpur East 399 KM) (Lead will be paid as per actual but not more than 399km)		15465.39		
		Total of MRS ITEMS				
1	NSI	Excavation in foundation of building, bridges and other structures, including dag belling, dressing refilling around structure with excavated earth, watering and ramming, lead upto one chain (30 metre) and lift 5				
2	NSI	if. to 10 ft:- In ordinary soil. Providing and laying structural pad for foundation made of selected granular fill material (Mixture of 70% gravel and 30% 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,		124153.49		
3	NSJ	Providing and fixing UPVC Doors 38mm thickness i/c deluex 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.Cft P.Sft	485.10		
4	NSI	Providing and fixing steel Fire Rated Emergency Exit Door ,Door manufactured as per NFPA 252 & UL 10C standards Steel Door (MS) Size: 48" x 98" Double Leaf door, Filled with fire-rated material With Inner Steel Stilfeners for reinforcement. Door Leaf 1.2-1.5mm, Door Frame 1.5- 2.0mm, Accessories: Hinges, Panic Bar On single Leaf, SS Handle, Glass 12x24 ft, and Door closer including carriage complete in all respect as approved & directed by the Engineer/ Incharge. (TECHNO (PVT) LTD or Equivalent)				
5	NŞI	Providing and fixing of Fiber Glass Shed on main Entrance Podium and Side having box shape M.S pipe 4" x 6" (10-SWG) used for main frame and M.S pipe 4" x 4" (12-SWG) used for distribution Pipes and cover with 3 ply clear fiber glass sheet approved colour, includingapint, cutting, drilling, revitting, handling, assembling and fixing, nutbolt, carriage fabrication and all accessories which is being used as per Design etc complete in all respect as approval by the Engineer Incharge.	Each P.Sft	3.00		,,



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Sr. No.	ltem No.	Description of Item	Unit	Qty	Rate	Amount		
6	NSI	Providing and fixing Stainless Steel (24 SWG) Letters 18" height with CNC laser cutting i/c all hardware required complete in all respect as per drawings and direction of Engineer In-charge.		20.00				
7	NSI	Providing and fixing Stainless Steel Logo with colour print including the cost of fitting accessories complete in all respect as per drawings and approval of Engineer Incharge.		1.00				
8	NSI	Providing and fixing stainless steel mesh of 16 guage fixed with nails for concrete and bricks joint complete in all respect and as approved and directed by the Engineer Incharge.		11550.00				
		Total of Non MRS ITEMS						
	GRAND TOTAL OF CIVIL WORKS							



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ESTABLISHMENT AND DEVELOPMENT OF THE ISLAMIA UNIVERSITY OF BAHAWALPUR SUB CAMPUS AT AHMADPUR EAST ACADEMIC BLOCK

BILL OF QUANTITIES

		PUBLIC HEALTH V	VORKS			
SR. NO.	ITEM NO.	DESCRIPTION	UNIT	ατγ	RATE (RS)	AMOUNT (RS)
		SANITARY FIXTURES AND FITTINGS			· · · · ·	
1		Providing and fitting Europeon Coupled set of Water Closet (WC) and flushing Cistem of PORTA brand (full size) i/c the cost of CP /rubber connection,thimble,seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	Each	14.00		
2	Ch 19/4	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. i) white	Each	8.00		
3	(i)	Providing and fitting plastic made low down flushing cistem 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete, i) white	Each	8.00		
4	Ch 19/8	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48*x24*) including bracket set, waste pipe and waste coupling.	Each	1.00		
5	19/16	Providing and fixing, chromium plated soap dish.	Each	18.00		-
6	19/18	Providing and fixing, chromium plated toilet paper holder.	Each	22.00		
7	19/19 (i)	Providing and fixing, chromium plated towel rail:- i) 60 cm (24") long, and 2 cm (¾") dia.	Each	10.00		
8	19/49 a (i)	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized polyvinyl Chloride) Nikasi/ waste pipe Fittings make of dadex /Popular/Beta/BBJ conforming to code EN- 1401 ncluding the cost of Solvents complete in all respect as approved and directed by the Engineer Incharge. (a) P-Trap (i) 4" dia				
9	19/36	Providing and fitting 10 cm (4*) gully trap, including cement	Each	22.00		
10		concrete, cost of PVC grating 15x15 cm (6"x6") and masonry chamber 30x30 cm (12"x12").	Each	8.00		
10	19/55 (5) ii	Providing and fixing chromium plated bottle trap with waste pipe, etc. complete ii) 4 cm (11/2*)	Each	19.00		
11		Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:11/2:3 conforming to ASTM Specification C-76-79, Class II. Wall B, including carriageof pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc., complete i) 310 mm (12") i/d	P.Rft	400.00		
12		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		3,600.00		
13	3/24 (c)	Compaction of earthwork (soft, ordinary or hard soil) :- c) Ramming earthwork (all types of soil).	1000 Cft	3,600.00		
14		Rehandling of earthwork: a) Lead upto a single throw of Kassi, phaorah or shovel	1000 Cft	3,600.00		· · · · · · · · · · · · · · · · · · ·
15	19/31 (i)	Providing and fixing gun metal peet/gate valve (screwed):- i) 30 mm (11/4") dia	Each	6.00		
16	19/31 (ii)	Providing and fixing gun metal peet/gate valve (screwed):-ii) 40 mm(11/2") dia	Each	6.00	·	
				0.00		



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SR. NO.	ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (RS)	AMOUNT (RS)
17	Ch 19/49 b (i)	Providing, fixing, testing and commissioning of μ-PVC (Unplasticized polyvinyl Chloride) Nikasi/ waste pipe Fittings make of dadex /Popular/Beta/BBJ conforming to code EN- 1401 ncluding the cost of Solvents complete in all respect as approved and directed by the Engineer Incharge. (b) Multi- Trap (i) 4" dia	Each	10.00		
18		Providing, fixing, testing and commissioning of µ-PVC (Unplasticized polyvinyl Chloride) Nikasi/ waste pipe Fittings make of dadex /Popular/Beta/BBJ conforming to code EN- 1401 ncluding the cost of Solvents complete in all respect as approved and directed by the Engineer Incharge. (d) Clean Out (i) 4* dia	Each	6.00		
19		Providing and fixing CP bath Room Set made of Sonex/ Master/ Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open wall shower, Muslim shower, waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer in charge. (v) Muslim shower				
20		Providing and fixing CP bath Room Set made of Sonex/ Master/ Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open wall shower, Muslim shower, waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer in charge. (iii) Double Bib Cock	Each	22.00		
22	19/25 (ii)	Providing and fixing chromium plated stop cock, heavy:- ii) 1.5 cm (½")	Each	60.00		
23	19/27 (ii)	Providing and fixing chromium plated bib cock:- ii) 1.5 cm (½")	Each	8.00		
24		Providing and fitting glazed earthen ware wash hand basin /vanity56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. v) Under Counter Vanity Basin	Each	18.00		
25		Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	Each	18.00		
26	Ch 23/47	WATER SUPPLY PIPES AND FITTINGS]
		Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex /Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials, making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned) b) PN-20 pipe				
	11	3/4" (25 mm) dia.		450.00		
	111	1" (32 mm) dia.	Rft	450.00		
	v	1 1/2" (50 mm) dia	Rft	240.00		
	vi	2" (63 mm) dia.	Rft	170.00	<u> </u>	· ····
			Rft	1 <u>90</u> .00		

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SR. NO.	ITEM NO.	DESCRIPTION	UNIT	άτλ	RATE (R\$)	AMOUNT (RS)
27	Ch 19/47	SOIL, WASTE, VENTILATING PIPES & FITTINGS				
		Providing, fixing, testing and commissioning of µ-PVC (Unplasticized polyvinyl Chloride) Nikasi/ waste pipe make of dadex /Popular/Beta/BBJ plain /socket ended conforming to code EN-1401 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge. Type (SDR 32.5/SN-8)				
	lii	60 mm (2*) dia.				
	iv	85 mm (3") dia.	Rft	220.00		
	v	110 mm (4") dia.	Rft	320.00		
28	ŀ	VALVES	Rft	430.00		
		Providing and fixing CP heavy duty brass Ball valve with CP handle of specified diameter made of Faisal/Sonex / Master best quality or equivalent complete in all respect as approved and directed by the Engineer Incharge.				
	ij	3/4 inch	Each	10.00		
	i	1/2 inch	Each	6.00		
29	0	GEYSER Providing /fixing Gas water heater (Geyser) of specified				
		capacity, comprising of water tank made of 14 SWG steel sheet and cover with 20 SWG MS sheet, best quality of approved make of Corona / Ambassador /Super Asia/ Canon i/c the cost of non return valve, imported thermostate, G.I. accessories, safety valve and making connection with existing water supply pipe line complete in all respects as approved and directed by the Engineer Incharge. (iii) 55 Gallons	Each	1.00		
30	(ii)	Providing /fixing Electric water heater (Geyser) comprising of tank of 14 SWG, GI sheet and external cover of 22 SWG MS sheet, insulated with 4" thick high density glass woot, imported thermostat i/c electricrod, safety valve (Ambassador/Canon) i/c cost of accessories & making connection complete in all respect as approved and directed by Engineer Incharge. (i) 20 Gal capacity	Each	1.00		
		TOTAL OF MRS ITEMS				
1		Providing and fixing, floor trap of PVC, including concrete chamber all round, and C.1. grating: (Master, sonex or Equivalent).			. <u> </u>	
2	NSI	Providing and fixing looking glass 5 mm thick size as per requirment/ drawings and direction of engineer incharge complete in all respect. (Ghani Glass or Equivalent)	Each	48.00	<u> </u>	
3	NSI	Providing and fitting Chromium plated floor Trap Jali 6"x6" double filter National and as approved by the Engineer incharge complete in all respect.	Sft Each	<u> 162.00</u> 48.00	<u> </u>	
		MANHOLE		40.00		
4	,	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	10.00		

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ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (RS)	AMOUNT (RS)
	WATER COOLER				
NSI	Providing and flixing Domestic type electric water cooler of 85 ttrs cap body SS Pressure type Canon (DWC-85) or equivalent complete in all respects as approved by the Engineer incharge.	Each	6.00		
	TOTAL OF NSI ITEMS				
	GRAND TOTAL OF PUBLIC HEALTH WO	ORKS			
	NO.	NO. DESCRIPTION WATER COOLER Providing and fixing Domestic type electric water cooler of 85 ttrs cap body SS Pressure type Canon (DWC-85) or equivalent complete in all respects as approved by the Engineer incharge. TOTAL OF NSI ITEMS	NO. DESCRIPTION UNIT WATER COOLER	NO. DESCRIPTION UNIT QTY WATER COOLER Image: Control of the start of the star	NO. DESCRIPTION UNIT QTY RATE (RS) WATER COOLER Image: Control of the second seco



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Sr. · No. · 1 i)	Item No.	ELECTRIC			1 1	
1			Unit	Qty	Unit Rate (Rs.)	Total Amount (Rs.)
0		WIRING IN CONCEALED CONDUITS				
		Distribution board to Switch				
		Wining 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				
		FAST, Newage or universal cables and conduit				
		should be of Solo,popular,easyfit or equivalent as				
-+		approved by engineer incharge Supply and erection of single core PVC insulated				
		copper conductor cables, in prelate PVC				
	ch/24/	pipe/M.S. conduit/G.I pipe/wooden strip				
a	10	batten/wooden casing an capping/G.I.				
~	(a(iii))	wire/trenches (rate for cables only):-				
		a) 250/440 volts, PVC insulated: iii) 7/0.74 mm (7/0.029")				
		(17010+6480++15795+31824)	RMtr	71109		
-+		Supply and erection of PVC pipe for wiring	TOMU	71103		
		recessed in walls, including inspection boxes, pult		ſ		
ь		boxes, hooks, cutting jharries, and repairing				
-	3 (iii)	surface, etc., complete with all specials. iii) 25 mm i/d (5670+2160+5265+10608)				
ļ		III) 25 mm va (5670+2160+5265+10608)	Rmtr	23703		
ii)		Switch to light point & point to point wiring	15016	20/03		
		Wiring from switch to light or fan point with 3				
		nos. single core 1.5 Sqmm PVC insulated				
1		450/750 Volts grade stranded copper conductor				
		cables in concealed PVC conduit including PVC conduit, Conduit accessories, etc. (conduit partiy				
		shared). Cable should be of FAST, Newage or				
		universal cables and conduit should be of				
		Solo,popular,easyfit or equivalent as approved by				
		engineer incharge Supply and erection of single core PVC insulated				
		copper conductor cables in prelaid PVC pipe/M.S				
a	ch/24/ 10	conduit G.I pipe/wooden strip batten/wooden				
a	(a(i))	casing and capping/G.I wire/trenches (rate for				
	(4())/	cables only) i) Cost of 1x 1.5 mm (3/0.029")				
		Supply and erection of PVC pipe for wiring	RMtr	9342		
		recessed in walls.				
	ch/24/	including inspection boxes, pull boxes, hooks,				
b	3 (ii)	cutting jharries,				
	- 6.5	and repairing surface, etc., complete with all	:			
		ii) 20 mm i/d	Rmtr	3114		
iii)		Switch to Switch	. 10100	5114	· · · · -	
		Wiring from switch to switch with 3 nos, single				
		core 2.5 Sqmm PVC insulated 450/750 Volts				
		grade stranded copper conductor cables in				
1		concealed PVC conduit including PVC conduit, Conduit accessories,etc.(conduit partly shared).				
		Cable should be of FAST, Newage or universal				
1		cables and conduit should be of Solo, popular,				
		easyfit or equivalent as approved by engineer	-			
		incharge				
		Supply and erection of single core PVC insulated copper 38.1 conductor cables, in pretaid PVC				
<u> </u>	ch/24/	pipe/M.S. conduit/G.I pipe/wooden strip				
a	10	batten/wooden casing an capping/G.I.				
		wire/trenches (rate for cables only):-				
1		a) 250/440 volts, PVC insulated: iii) 7/0.74 mm (7/0.029*) (6480)				



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		Supply and erection of PVC pipe for wiring					
		recessed in walts, including inspection boxes, pull					
b		boxes, hooks, cutting jharries, and repairing					
~	3 (11)	surface, etc., complete with all specials.					
		iii) 25 mm i/d (2160)	— .				
			रताह				
iv)		Distribution board to General Purpose (5A/13A) socket					
	+	Wiring of circuit from Distribution Board to					
		5A/13A ,230Valts 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).					
		Cable should be of FAST, Newage or universal					
		cables and conduit should be of					
		Solo,popular,easyfit or equivalent as approved by				1	
	I	engineer incharge					
		Supply and erection of single core PVC insulated				1	
		copper conductor cables, in prelaid PVC					
а	10	pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I.					
a		wire/trenches (rate for cables only):-				1	
	(adm)	a) 250/440 volts, PVC insulated;					
		iii) 7/0.74 mm (7/0.029") (15795)	RMtr				
		Supply and erection of PVC pipe for wining					
		recessed in walls, including inspection boxes, pull					
ь		boxes, hooks, cutting jharries, and repairing					
-	3 (iii)	surface, etc., complete with all specials.					
		iii) 25 mm i/d (5265)	D				
v)		Socket to Socket	Rmtr				
		Wiring from 5 Amps, 2&3 pin socket to socket with				_	
		3 nos. single core 2.5 Somm PVC insulated]	i		
		450/750 Volts grade solid or stanerd copper					
		conductor cables in concealed PVC conduit					
	1	including PVC conduit,Conduit accessories, etc					
		complete. (conduit partly shared). Cable should be					
		of FAST. Newage or universal cables and conduit					
		should be of Solo,popular,easyfit or equivalent as		i			
		approved by engineer incharge					
	1	Supply and erection of single core PVC insulated					
		copper conductor cables, in prelaid PVC					
	ch/24/	pipe/M.S. conduit/G.I pipe/wooden strip					
	10	batten/wooden casing an capping/G.I.					
а		wire/trenches (rate for cables only):-					
a	(a(iii))			1	1		
a	(a(iii))	a) 250/440 volts, PVC insulated:					
a	(a(iii))	iii) 7/0.74 mm (7/0.029") (31824)	RMtr				
a	(a(iii))	iii) 7/0.74 mm (7/0.029") (31824) Supply and erection of PVC pipe for wiring	RMtr			_	
		iii) 7/0.74 mm (7/0.029") (31824) Supply and erection of PVC pipe for wining recessed in walls, including inspection boxes, puil	<u>R</u> Mtr				
a	ch/24/	iii) 7/0.74 mm (7/0.029") (31824) Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, puil boxes, hooks, cutting jharries, and repairing	RMtr				
	ch/24/	iii) 7/0.74 mm (7/0.029") (31824) Supply and erection of PVC pipe for wining recessed in walls, including inspection boxes, puil	<u>RMtr</u>				



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2	1	LT CABLES				
		Supply at site, installation, testing and				
		commissioning of PVC insulated armoured copper				
		conductor cable 600 / 1000 Volt grade (or				
		otherwise mentioned in cable description) in				
	1	prelaid conduits / trenches to be installed as per				
	1	routes shown on drawings including cost of all				
		necessary materials, connections, identification				1
		tags, cables lugs properly crimped at both ends				1
		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 FAST, Newage or				
		universal cables and conduit should be of				
		Solo,popular,easyfit or equivalent as approved by				
	L	engineer incharge				
		Supply and erection of copper conductor cables				
	ch/24/	for service connection, in pretaid pipe/G.I.				
-0	13 (c-	wire/trenches, etc. (rate for cable only):-				
	v)	c) PVC insulated, PVC sheathed 4 core, 660/1100				
	1 1	volt non annoured cable;-		A		1
		v) 6 mm sq (7/0.044")	R.Mtr	250		
		Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I.				1
	ch/24/	wire/trenches, etc. (rate for cable only):-				
i)	13 (c-	c) PVC insulated, PVC sheathed 4 core, 660/1100				
	vi)	volt non armoured cable:-				
		vi) 10 mm sq (7/0.052")	R.Mtr	220		
	· · · · ·	Supply and erection of copper conductor cables		220		
		for service connection, in pretaid pipe/G.t.				
	ch/24/	wire/trenches, etc. (rate for cable only):-			1	
i)	13 (c-	c) PVC insulated, PVC sheathed 4 core, 660/1100				
	vii)	volt non armoured cable:-				
		vii) 16 mm sq (7/0.064*)	R.Mtr	290		
		Supply and erection of copper conductor cables				
	ch/24/	for service connection, in prelaid pipe/G.I.				
ii)	13 (c-	wire/trenches, etc. (rate for cable only):-				
,	viii)	c) PVC insulated, PVC sheathed 4 core, 660/1100				
	,	volt non armoured cable:-				
		viii) 25 mm sq (19/0.052")	R.Mtr	280		
		Supply and erection of copper conductor cables				
	ch/24/	for service connection, in pretaid pipe/G.I.				
ill)	13 (c-	wire/trenches, etc. (rate for cable only):-				
	xiii)	c) PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable:-				
		xiii) 120 mm sq (37/0.83*)	D # #-	450		
		Supply and erection of copper conductor cables	R.Mtr	150		
		for service connection, in prelaid pipe/G.I.				
		wire/trenches, etc. (rate for cable only):-				
iv)	13 (0-	c) PVC insulated, PVC sheathed 4 core, 660/1100				
	xiv)	volt non armoured cable:-				
		xiv) 150 mm sq (37/0.93")	R.Mtr	150		
		Supply and erection of copper conductor cables				
	ch/24/	for service connection, in pretaid pipe/G.I.				
v)	126	wire/trenches, etc. (rate for cable only):-				
•/	xv)	c) PVC insulated, PVC sheathed 4 core, 660/1100.	-			
	~*)	volt non armoured cable;-				
		xv) 185 mm sq (37/0.103*)	R.Mtr	100		:
		Supply and erection of copper conductor cables				
	ch/24/	for service connection, in prelaid pipe/G.I.				
vi)	12 10	wire/trenches, etc. (rate for cable only):-				
ŕ	- mái -	c) PVC insulated, PVC sheathed 4 core, 660/1100				
[voit non armoured cable:- xvi) 240 mm sq (37/0.114")	R.Mtr	150		



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3		GROUNDING SYSTEM		ļ	ļ	
i)	<u> </u>	Grounding Cables			Į	
		Supply at site, instatlation, testing and				
		commissioning of PVC insulated non annoured			ł	
		copper conductor cable 450/ 750 Volt grade (or			ł	
		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.		1		
	1	Actual length of cables to be installed shall be				
		practically measured at site by the Contractor,				
		duly authenticated by the Engineer before placing		1		
	1	the order with the manufacturer, however,				1
		approximate length of cables are shown herewith.				
		Payments shall be made as per actual length				
	1	installed. Cable should be of FAST, Newage or				
		universal cables and conduit should be of				
		Solo,popular,easyfit or equivalent as approved by				
	1	engineer incharge				
	T	Supply and erection of single core PVC insulated,			1	· · · · · · · · · · · · · · · · · · ·
	1	PVC			1	
	1	sheathed copper conductor, 660/1100 volts grade			1	
_	ch/24/	cable, in				
а		prelaid G.I. pipe/M.S. conduits/PVC pipe/G.I.			E	
	1	wire/trenches.				
	1	etc (rate for cable only):-				
	1	ii) 6 mm sq (7/0.044*)	R.Mtr	640		
	1	Supply and erection of single core PVC insulated.	IN TWU	040		<u> </u>
	1	PVC				
		sheathed copper conductor, 660/1100 volts grade				
	ch/24/	cable, in				
b		prelaid G.1, pipe/M.S. conduits/PVC pipe/G.t.				
	(~ (W)	wire/trenches.			1	
]	
		etc (rate for cable only):-	•••	^		
		iv) 16 mm sq (7/0.064*) Supply and erection of single core PVC insulated.	R.Mtr	80	<u> </u>	
		PVC				
	ch/24/	sheathed copper conductor, 660/1100 voits grade cable, in				
¢	12					
	(vii)	prelaid G.I. pipe/M.S. conduits/PVC pipe/G.I.				1
		wire/trenches,				
		etc (rate for cable only):-				
		vii) 50 mm sq (19/0.072")	R.Mtr	100		
		Supply and erection of single core PVC insulated,				
		PVC				
	ch/24/	sheathed copper conductor, 660/1100 volts grade			4	
đ	12	cable, in			1	
	(viii)	pretaid G.I. pipe/M.S. conduits/PVC pipe/G.I.			1	
	l` ´	wire/trenches,				
		etc (rate for cable only):-				
		vili) 70 mm sq (19/0.083*)	R.Mtr	100		
		Supply and erection of single core PVC insulated,				
		PVC				
		sheathed copper conductor, 660/1100 volts grade				
8		cable, in				[
		prelaid G.I. pipe/M.S. conduits/PVC pipe/G.I.				
		wire/trenches,				
		etc (rate for cable only):-		1		
		ix) 95 mm sq (37/0.072")	R.Mtr	100		
		Supply and erection of single core PVC insulated,				
		PVC				
		sheathed copper conductor, 660/1100 volts grade				1
f	ch/24/	cable, in				
		prelaid G.I. pipe/M.S. conduits/PVC pipe/G.I.				1
		wire/trenches,				
	i !	etc (rate for cable only):-				
		x) 120 mm sq (37/0.083")	R.Mtr	150		
4		CONDUITS, PIPES, DUCT , CABLE TRAYS,				
		FIXING CLAMPS AND FIXING				
	I	FIXING CLARES AND FIXING				

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1. 1. N. N. N. N.

Supply, installation, testing and commissioning of following conduits: laid under floor for tejephone/ 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 cuting of floor for required dimensions, leging of conduit, backfilling of remeining cavity with CC as specified of for or in that area, making good, complete in all respect. conduit made of solo, popular, easyft or equivalent as approved by engineer incharge. i) PVC conduit a Supply and eraction of PVC pipe for wiring recessed in wells, including inspection boxes, put ourface, etc., complete with all specials. a Supply and eraction of PVC pipe for wiring recessed in well including inspection boxes put boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials ii) 25 mm iid i (Cast of 50mm Rmtr 280 c Supply and eraction of PVC pipe for wiring recessed in well including inspection boxes put boxes, hooks, cutting pharries, and repairing surface, etc., complete with all specials ii) Cast of 80mm Rmtr 280 d 6(ii) Supply and eraction receives diving (mein and 38.2.8 38.3 sub-main) purpose, including bends, specials, etc. In floor, wall or tronches ii) Cast of 80mm Rmtr 50 5 DISTREUTION BOARDS Rmtr 50 50 5 DISTREUTION BOARDS Rmtr 500 5 DISTREUTION BOARDS Rmtr						
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iii) Cost of 100mm Rmir 560 5 DISTRIBUTION BOARDS	0,00	specials, etc. in floor, wall or trenches:-				
5 DISTRIBUTION BOARDS Supply at site, fabrication, installation, testing and commissioning of Distribution Board (DB), made of sheet steel 16 SWG, degreased and denusted, with 2 coats of antirust paint, 2 coats of powder coated paint of approved octour, 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 tables 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 competlety made in certified factory, ie PEL, Green T & D, Mazcorp engineering or equivalent approved by engineer incharge. All MCCBs shall be suitable to operate without any derating at 40°C ambient temperature and			Rmtr	550		
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any derating at 40°C ambient temperature and	—— — —————————————————————————————————					·····
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ishall be of one make only. The sides of MDB about it is in the sides of MDB about it is it is in the side of the		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				F		
bolted and shall conform to single line diagram.						
item should be of Schneider, Terasaki or						
equivalent approved by engineer incharge	1	equivalent approved by engineer incharge				

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a	1	MAIN-DB HVAC				
<u>i)</u>	1	P/F floor mounted Electric Panel board of required				
		depth and size, fabricarted with 14SWG M.S				
		sheet (Indoor/Outdoor Type), derusting, zinc				
		Phosphated, finish with electro static powder				
		coating in approved colour i/c the cost of Lock.				
		Indication lights, thimbles, Copper Comb, Wiring,				
	ch24-			1		
		of specified capacity ,Door Earthing, Brass		1		
] ii)	glands, bus bars, controles complete in all respects				
		as approved and directed by the Engineer		1		
		Incharge (Breakers will be Paid Separately).		1		
		i) LT Switchboards		4		
		(a) 2.50 Ft deep				
		(ii)800-1200A				
		(1)000-12004	057			
	1	NCOMNO	CFT	9		
	1	INCOMING		├ ···		
		Supplying, Installation and commissioning of				1
		MCCB (Moulded Case Circuit Breaker) of				1
		specified rating made of LEGRAND FRANCE/ GE				
		U.S.A / SCHNEIDER GERMANY / TERASAKI				
	1	JAPAN/ABB SWITZERL(with adjustable Thermal-				
	1	Magnetic Trip) in prelaid DBs and Panels i/c the				
Į	ch24-	cost of screws, necessary wire complete in all				l
	88/(a-	respect as approved and directed by the Engineer				[
	(x)					
		Incharge.				
ł		Tripple Pole With Adjustable Thermal-Magnetic				
		Trip /Electronic				
		Trip (60-100%)				
		(x) 630-1600 Amp(50 KA)				
			Each	1		
		OUTGOING				
		Supplying Installation and commissioning of				
		MCCB (Moulded Case Circuit Breaker) of				
		specified rating made of LEGRAND FRANCE/ GE				
	1	U.S.A / SCHNEIDER GERMANY / TERASAKI				
	1	JAPAN/SIEMEN/ABB				
	1	SWITZERLAND (with fixed Thermal-Magnetic Trip				
) in prelaid DBs and Panels i/c the cost of screws,				
		necessary wire complete in all respect as				
		approved and directed by the Engineer Incharge				
	ch24-	a) Triple Pole				
		(vi) 125-250 Amp (25 KA)				
	vt)		Each	2		
	<u> </u>	a) Triple Pole				
		(x) 300-630 Amp(36 KA)				
	x)	cy and the condition of	Each	2		
10		MAIN-DB	Caon	· · · ·	· · · · · · · · · · · · · · · · · · ·	······
	1	P/F floor mounted Electric Panel board of required				
	F	depth and size, fabricarted with 14SWG M.S				
			:			
		sheet (Indoor/Outdoor Type),derusting, zinc				
		Phosphated, finish with electro static powder				
	1	coating in approved colour i/c the cost of Lock,				
		Indication lights, thimbles, Copper Comb, Wiring,				
		Netural & Earth Bar, glands.Current Transformers				
	CU174-	of an added as a star Dave David to a David				
	91(a-i)	glands, bus bars, controles complete in all respects				
		as approved and directed by the Engineer				
ł		Incharge (Breakers will be Paid Separately).				
1		i) LT Switchboards				
1		(a) 2.50 Ft_deep				
1		(i) 300-600A				
1	F		CFT	9		

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\vdash	· · ·	INCOMING				
		Supplying Installation and commissioning of				
		MCCB (Moulded Case Circuit Breaker) of				
		specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI				
		JAPAN/SIEMEN/ABB				
	ch24-	SWITZERLAND (with fixed Thermal-Magnetic Trip				
	87/(a-) in prelaid DBs and Panels i/c the cost of screws,				
	X)	necessary wire complete in all respect as				
		approved and directed by the Engineer Incharge.				
		a) Tripple Pole				
		(x) 300-630 Amp (36 KA)				
			Each	1		
		OUTGOING				
		Supplying Installation and commissioning of				
		MCCB (Moulded Case Circuit Breaker) of				
		specified rating made of LEGRAND FRANCE/ GE				
		U.S.A / SCHNEIDER GERMANY / TERASAKI				
		JAPAN/SIEMEN/AB8				
		SWITZERLAND (with fixed Thermal-Magnetic Trip				
1) in prelaid D8s and Panels i/c the cost of screws,				
		necessary wire complete in all respect as				
		approved and directed by the Engineer Incharge				
	ch24-	a) Triple Pole				
		(ii) 15-100 Amp (10 KA, 15 KA)				
	ii)		Each	18		
jii)		DB-GF-01				
		P/F wall mounted DB (Distribution Board) made				
		with 16SWG Sheet				
		(Recessded/Surface mounted Type), Powder				
		coated Paint, i/c the cost of Lock, Indication				
		lights, Thimble, Copper Comb, Wiring, Netural &				
	ch24-	Earth Bar, Door Earthing, Digital Voltmeter, Digital				
	90(a-	Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controles				
	li)	Complete in all respect as approved and directed				
		by the Engineer Incharge (Breakers will be Paid				
		Separately).				
1		(a) 6" deep				
		(ii) 75~100A				
			CFT	9		
		INCOMING				
		Supplying Installation and commissioning of				
		MCCB (Moulded Case Circuit Breaker) of				
		specified rating made of LEGRAND FRANCE/ GE				
		U.S.A / SCHNEIDER GERMANY / TERASAKI				
	ch24-	JAPAN/SIEMEN/ABB SWITZERI AND (with fixed Thermal Meanwise Tria				
	87/(a-	SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws,				
	ii)	necessary wire complete in all respect as				
		approved and directed by the Engineer Incharge.				
		a) Tripple Pole				
		(ii) 15-100 Amp (10 KA,15KA)				1
			Each	1		
		OUTGOING				
		Suppling, Installation and comissioning of MCB				
		(Miniature Circuit Breaker) of specified rating				
		made of LEGRAND FRANCE/ GE U.S.A /				[
		SCHNEIDER GERMANY /SIEMEN				
		GERMAN/TERASAKI JAPAN/ ABB				
		SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes, necessary wire complete in all				
		respect as approved and directed by the Engineer				
		Incharge.				
<u> </u>	ch24-	a) Single Pole				· · · · · · · · · · · · · · · · · · ·
		(ii) 6-40 Amp (6 KA)				
	ii)		Each	18		

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iv)		DB-GF-02			1	
(*)		P/F wall mounted DB (Distribution Board) made			1	
ţ		with 16SWG Sheet			1	
ĺ		(Recessded/Surface mounted Type), Powder				
		coated Paint, i/c the cost of Lock, indication				
		lights, Thimble, Copper Comb, Wiring, Netural &	:			
	ch24-	Earth Bar, Door Earthing, Digital Voltmeter, Digital				
	90(a-	Ammeter, Volt Selector Switch, Ammeter selector				
	i)	switch, Current Transformers and Controles	2			
	,	Complete in all respect as approved and directed			1	
		by the Engineer Incharge (Breakers will be Paid Separately).				
		(a) 6" deep			1	
		(ii) 75-100A				
			CFT	9		
		INCOMING			1	
		Supplying Installation and commissioning of				
		MCCB (Moulded Case Circuit Breaker) of				
		specified rating made of LEGRAND FRANCE/ GE				
		U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB				
	ch24-	SWITZERI AND (with fived Thermal-Magnetic Trin				
}	87/(a-) in prelaid DBs and Panels i/c the cost of screws,				
	ii)	necessary wire complete in all respect as			[
		approved and directed by the Engineer Incharge.				
		a) Tripple Pole				
		(ii) 15-100 Amp (10 KA,15KA)	_			
<u> </u>		OUTGOING	Each	1		· · · · ·
		Suppling, Installation and comissioning of MCB				
		(Miniature Circuit Breaker) of specified rating				
		made of LEGRAND FRANCE/ GE U.S.A /				
		SCHNEIDER GERMANY /SIEMEN				
		GERMAN/TERASAKI JAPAN/ ABB				
		SWITZERLAND in pretaid DBs and Panels i/c the				
		cost of screwes, necessary wire complete in all				
		respect as approved and directed by the Engineer Incharge.				
		nicialge.				
	ch24-	a) Single Pole				
		(ii) 6-40 Amp (6 KA)			l.	
	li)	DD 05 44	Each	<u>2</u> 4		
v)		DB-GF-03 P/E wall mounted DB (Distribution Poard) mode				
		P/F wall mounted DB (Distribution Board) made with 16SWG Sheet				
		(Recessded/Surface mounted Type), Powder				
		coated Paint, i/c the cost of Lock, Indication				
		lights, Thimble, Copper Comb, Wiring, Netural &				
	ch24-	Earth Bar, Door Earthing, Digital Voltmeter, Digital				
	90(a-	Ammeter, Volt Selector Switch, Ammeter selector				
	il)	switch, Current Transformers and Controles				
		Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid				
		Separately).				
		(a) 6* deep				
		(ii) 75~100A				
			CFT	9		
		INCOMING				· · · · · · · · · · · · · · · · · · ·
		Supplying Installation and commissioning of				
		MCCB (Moulded Case Circuit Breaker) of				
		specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI				
		JAPAN/SIEMEN/ABB	1			
	ch24-	SWITZERLAND (with fixed Thermal-Magnetic Trip				
	87/(a-) in prelaid DBs and Panels i/c the cost of screws,				
	ii)	necessary wire complete in all respect as				
		approved and directed by the Engineer Incharge.				
		a) Tripple Pole				
		(ii) 15-100 Amp (10 KA,15KA)				
		··· · · ·	Each	1		

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		OUTGOING			
		Suppling, Installation and comissioning of MCB			
		(Miniature Circuit Breaker) of specified rating			
		made of LEGRAND FRANCE/ GE U.S.A /			
		SCHNEIDER GERMANY /SIEMEN			
i		GERMAN/TERASAKI JAPAN/ ABB			
		SWITZERLAND in prelaid DBs and Panels i/c the			
		cost of screwes,necessary wire complete in all			
1 I		respect as approved and directed by the Engineer			
ŧ		Incharge.			
1		-			
	ch24-	a) Single Pole			
	86/(a-	(ii) 6-40 Amp (6 KA)			
	- ii)		Each	30	
vi)		DB-GF-04			
		P/F wall mounted DB (Distribution Board) made			
		with 16SWG Sheet			
	İ	(Recessded/Surface mounted Type), Powder			
		coated Paint, i/c the cost of Lock, Indication			
		lights, Thimble, Copper Comb, Wiring, Netural &]
		Earth Bar, Door Earthing, Digital Voltmeter, Digital			
	ch24-	Ammeter, Volt Selector Switch, Ammeter selector			1
	90(a-	switch, Current Transformers and Controles			1
	ii)	Complete in all respect as approved and directed			
		by the Engineer Incharge (Breakers will be Paid			
		Separately).			
		(a) 6" deep			
		(ii) 75~100A			
			CFT	9	
		INCOMING			
[Supplying , Installation and commissioning of			
		MCCB (Moulded Case Circuit Breaker) of			
		specified rating made of LEGRAND FRANCE/ GE			
		U.S.A / SCHNEIDER GERMANY / TERASAKI			
		JAPAN/SIEMEN/ABB			
	ch24-	SMITZERI AND (with fixed Thermol Mercentic Tri-			
	87/(a-) in prelaid DBs and Panels i/c the cost of screws,	-		
	ü)	necessary wire complete in all respect as		·	
		approved and directed by the Engineer Incharge.			
		a) Tripple Pole			
		(ii) 15-100 Amp (10 KA,15KA)			1
1			Each	1	
		OUTGOING	Cuon		 · · · · · · · · · · · · · · · · · · ·
		Suppling, Installation and comissioning of MCB			
		(Miniature Circuit Breaker) of specified rating			
1		made of LEGRAND FRANCE/ GE U.S.A /			
		SCHNEIDER GERMANY /SIEMEN			
		GERMAN/TERASAKI JAPAN/ ABB			
		SWITZERLAND in prelaid DBs and Panels i/c the			
		cost of screwes, necessary wire complete in all			
		respect as approved and directed by the Engineer			
		Incharge.			
		• • • •			
	ch24-	a) Single Pole			
		(ii) 6-40 Amp (6 KA)			
	ii)	· · · · · · · · · · · · · · · · · · ·	Each	26	1
vii)		DB-Lighting FF-01			
		P/F wall mounted DB (Distribution Board) made			 · · · · · · ·
	i	with 16SWG Sheet			
		(Recessed/Surface mounted Type), Powder			
		coated Paint, i/c the cost of Lock Indication			
		coated Paint, i/c the cost of Lock, Indication	1		
		lights, Thimble, Copper Comb, Wiring, Netural &			
:	ch24-	lights, Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter, Digital			
	ch24-	lights, Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector			
	ch24- 90(a-	lights, Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controles			
	ch24- 90(a-	lights, Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controles Complete in all respect as approved and directed			
	ch24- 90(a- ii)	lights, Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid			
	ch24- 90(a- ii)	lights, Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).			
	ch24- 90(a- ii)	lights, Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). (a) 6" deep			
	ch24- 90(a- ii)	lights, Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).	CFT	9	

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					1	
	<u> </u>	Supplying Installation and commissioning of			}	
		MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE				
	ch24-	U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB				
	87/(a-	SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws,				
	11)	necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
		a) Tripple Pole				
		(ii) 15-100 Amp (10 KA,15KA)	Each	1		
		OUTGOING				
		Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prefaid DBs and Panels i/c the				
		cost of screwes, necessary wire complete in all respect as approved and directed by the Engineer incharge.				
		a) Single Pole (ii) 6-40 Amp (6 KA)	Each	12		
viii)		DB-Lighting FF-02				
	ch24- 90(a- ii)	P/F wall mounted DB (Distribution Board) made with 1SSWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid				
		Separately). (a) 6" deep (ii) 75~100A	CFT	9		
		INCOMING		¥		
	ch24- 87/(a- ii)	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels <i>i/c</i> the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. a) Tripple Pole (ii) 15-100 Amp (10 KA, 15KA)				
		OUTCOMO	Each	1		
		OUTGOING Suppling,Installation and comissioning of MCB				
		(Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
		a) Single Pole (ii) 6-40 Amp (6 KA)	Each	8	·····	· · · · · · · · · · · · · · · · · · ·



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Ix)		DB-Power FF	<u> </u>		¥	
		P/F wail mounted DB (Distribution Board) made			<u> </u>	
		with 16SWG Sheet				
	1	(Recessedd/Surface mounted Type), Powder		1		
		coated Paint, i/c the cost of Lock, indication		1		
		lights, Thimble, Copper Comb, Wiring, Netural &		-		
		Earth Bar, Door Earthing, Digital Voltmeter, Digital				
	ch24-	Ammeter, Volt Selector Switch, Ammeter selector				
	90(a-	switch, Current Transformers and Controles				
	#)	Complete in all respect as approved and directed				
		by the Engineer Incharge (Breakers will be Paid			1	
		Separately).				
		(a) 6" deep				
		(ii) 75-100A				
· · · · ·			CFT	9		
<u> </u>						
		Supplying Installation and commissioning of				1
· .		MCCB (Moulded Case Circuit Breaker) of				
ļ		specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI				
		JAPAN/SIEMEN/ABB				
	ch24-	SW/ITZER! AND (with fixed Thermal Meanship Tri-				
	87/(a-) in prelaid DBs and Panels i/c the cost of screws,				
	ii)	necessary wire complete in all respect as		1		
		approved and directed by the Engineer Incharge.		ļ		
	1	a) Tripple Pole				
	1	(ii) 15-100 Amp (10 KA, 15KA)				
			Each	1		
	L	OUTGOING				
		Suppling, Installation and comissioning of MC8				
		(Miniature Circuit Breaker) of specified rating				
		made of LEGRAND FRANCE/ GE U.S.A /]
		SCHNEIDER GERMANY /SIEMEN				
		GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the				
		cost of screwes, necessary wire complete in all				
		respect as approved and directed by the Engineer				
		Incharge.			:	
		a) Single Pole				
		(ii) 6-40 Amp (6 KA)				
X)	ii)		Each	.8		
~/		DB-Power Computer Labs*10 P/F wall mounted DB (Distribution Board) made				· · · · ·
		with 16SWG Sheet				
	ļ	(Recessded/Surface mounted Type), Powder				
		coated Paint, Vc the cost of Lock, indication				
		lights, Thimble, Copper Comb, Wiring, Netural &				
i	aboa	Earth Bar, Door Earthing, Digital Voltmeter, Digital				
	ch24-	Ammeter, Volt Selector Switch, Ammeter selector				
	90(a-	switch, Current Transformers and Controles		i		
	∥)	Complete in all respect as approved and directed				
		by the Engineer Incharge (Breakers will be Paid				
		Separately).	1			
		(a) 6" deep				
		(ii) 75~100A				
			CFT	90		
		INCOMING				
		Supplying Installation and commissioning of		T		
ſ		MCCB (Moulded Case Circuit Breaker) of				
		specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI				
- 1		JAPAN/SIEMEN/ABB				
	ui24-1	SWITZERLAND (with fixed Thermal-Magnetic Trip				
) in prelaid DBs and Panels i/c the cost of screws,				
Ī	ii)	necessary wire complete in all respect as				
	ļ	approved and directed by the Engineer Incharge.				
		a) Tripple Pole				
		(ii) 15-100 Amp (10 KA, 15KA)				
			Each	10		

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	1	OUTGOING		1	T T	
		Suppling, Installation and comissioning of MCB		-		
		(Miniature Circuit Breaker) of specified rating		1		
		made of LEGRAND FRANCE/ GE U.S.A /		1		
	i	SCHNEIDER GERMANY /SIEMEN				
		GERMAN/TERASAKI JAPAN/ ABB		1		
		SWITZERLAND in prelaid DBs and Panels i/c the				
		cost of screwes, necessary wire complete in all				
		respect as approved and directed by the Engineer		1		
		Incharge.				
	ch24-	a) Single Pole		1		
	86/(a-	(ii) 6-40 Amp (6 KA)				
	ii)		Each	150		
6	1	MISCELLANEOUS FITTINGS				
		Providing and fixing Copper winded Exhaust fan				····
		with louver and shutter made of		1		
	f i	Pak/Younas/G.F.C. i/c the cost of necessary cable		[
		and hardware for connection from ceiling rose				
		complete as approved and directed by Engineer				
		Incharge.				1
	ch24	(a) Plastic body				
		(i) 10° dia				•
7	<u></u>)		Each	13		
1	ļ	WIRING ACCESSORIES				
	1	P/F PVC double layer Switch kit Faceplate with			1	
	1	specified switch holes i/c the cost of switches /			1	
		sockets / dimmer made of Hi-Life / Bush /				
		Schenider, screws complete as approved and				
		directed by the Engineer Incharge				
		(a) One way Gange Switch				
	ch24-	(vi) Fan Dimmer				
	103 (a					
	vi)		No.	380		
		Small				
		(i) 01 Gange		l		1
	n		No.	2		
		Small		-		· · · · ·
		(ii) 02 Gange				
	ii)	(if ve cange	No.			
	ch24-	Small	<u>_N</u> 0.	8		
	1	(iii) 03 Gange				
		(iii) 03 Gange				
	iii)		No.	4		
		(iv) Three pin Light Plug 10/13 Amp				
	103 (a					
	<u> </u> ∨)		No.	1221	· · · · · · · · · · · · · · · · · · ·	L
		(v) Telephone / TV/Datacable socket				
	103 (a					
	(V)		No.	547		
	ch24-					
	103 (a-	(i) 04 Gange				1
) Ì	· · ·	No.	79		
	ch24-	Large				· · · · · · · · · · · · · · · · · · ·
		(ii) 05 Gange				
	10		No.	24		ł
	ch24-	Large		<u> </u>		
	103 (a	(iii) 06 Gange				
	iii)	inter canda	MA	- 00		
		(viii) Three Pin Power Plug 15-32 Amp	No.	22		
	103 (a					
				a -		
	viii)		No.	20		
		P/F PVC concealed Switch kit Box i/c the cost of				
		screws complete as approved and directed by the	į			4
	E	Engineer Incharge				
		(i) Small				·
	104 (i)		No.	1615		l
	ch24-	(ii) Large	··· ··			
	104					
						1



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8		CCTV System				
- <u>-</u>		Camera Cable				
		Supply, Installation and commissioning of wiring				
	1	with 4-pair data Cable, 23 AWG UL/EN listed				
	1	cable * Conforming to following standards:				
		TIA/EIA 568 / ISO/IEC 11801, in prelaid conduit /				
		cable tray from including all accessories.				
	1					
		Manufacturer/OEM Authorization, Make:				
		Schneider / i-connect UK/3M Coming USA/ D-				1
		Link/ Pollo Australian or equivalent complete in all				
		respect as approved and directed by Engineer	2			
		Incharge.				
		a) UTP (Unshielded Twisted pair)				
		(ii)CAT-6A (Min.1G/ 10G @ 500MHz or higher)				
	-it)		MTR	800		
		Total of MRS Items				
_1		LIGHT FIXTURES				
		Supply, installation, testing and commissioning of				
		following light fittings, ceiling, recessed, wall				
		mounted as per specified fixture. Complete with				
	1	internal wiring, Grounding terminal, driver				
	1	complete in all respects. Lights should be of		1		
		ledvance. Osaka or equivalent approved by				
		engineer incharge		1		
i)	NSI	20 Watt LED Light Fixture surface/recessed				
~		mounted, IP-22 rated	No.	909		
il)	NSI	15 Watt (White) LED Light Fixture				
•••	1	surface/recessed mounted, IP-22 rated	No.	220		
iii)	NSI	10 Watt LED Light Fixture surface/recessed	140.	220		
·••,		mounted, IP-22 rated	No.	60		
2		MISCELLANEOUS FITTINGS	140.			
-						· · · · ·
		Supply, installation, testing & commissioning of				
		Ceiling/ Exhaust fan. The ceiling/exhaust fan	:			
		shail 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				
	ł	site requirements and as directed by the Engineer.				
		make Bilal Switchgear Engineening, GFC, Pak				1
		Fan or approved equivalent by engineer incharge				
1)		56" dia ceiling fan suitable to give an air				
	NSI	displacement of minimum 8000 Cu. ft./ min. Fan				
	14-51	shall be made with 99% purity Copper windings.				1
		· · · · · · · · · · · · · · · · · · ·	No.	380		
16)	NS	Providing and Fixing of brass bracket fan 18*				
		(good quality)	No.	9	1	
3		WIRING ACCESSORIES				
		Supply at site, installation, testing and				
		commissioning of the following wiring accessories,			1	
	1	complete in all respects. Made of TJ, HiLife or			1	
	1	equivalent approved by engineer incharge			1	
	1				1	
i)		Appropiate size of plastic body fan box and ceiling				
-7	NSI	fan rod 24* in length	Nos	380		
4	1	Fire Alarm System				
	+					
	I .	(General Description) Supply, installation, testing			1	
		and commissioning of following items as per				
		drawings, specifications, & instructions of the			•	
		Engineer, complete in all respect, all item should				
		be of Gent by honeywell, ETON uk or approved				
	1	equivalent as per instructions by the Engineer as				
		required.				1

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	· · · ·				-	
- Ü		Manual Call Point				
	NSI	Supply, install testing and commsiong of manual				
	ļ	call point RESET type with allied components				
		with full functionality as per specification of				
		manufacturer / drawing with proper staff and tools				
		and plants etc.Input Source Zone signal				
		Address Coding dip switch				
		Operating Voltage 26V DC				
		Alarm Current 6mA				
		Quiescent Current 850µA				
		Ambient Temperature 0°C ~ +50°C				
		Material Fire-proof plastic				
		material the proof plasse	Each	10		
10		Smoke Detector	2001	- <u>'</u>		
<u> </u>	NŜI	Supply, install testing and commsiong of				
		Addressable Optical Smoke Detectors				
]	incorporating a with in the housing of the				
		detector. Sensing of the detector shall be]
		adjustable via software between 0-90				
		seconds.Address Coding Binary				1
		Alarm Current DC26V 6mA				
		Standby Current DC26V 850µA				l
		Sensitivity Setting Comply to EN54				
		Ambient Temperature 0°C ~ +50°C				
		Material Fire-proof plastic	Each	172		
ív}		Sounder				
	NSI	Supply, install testing and commsiong of				
		Intelligent analogue addressable Loop powered				
		sounder with flasher and red body and wall				
		mounting base.input Source Zone signal				
		Address Coding Binary dip switch				
		Operating Voltage 26.5V DC				
		Standby Current Under 850uA				
		Alarm Current Under 8mA				
		Sound Output 90 ±4dB at 1 meter				
		Sounder Output 2.3~3.4KHz				
		Ingress Protection IP65				
		Ambient Temperature -20°C ~ +50°C				
		Ambient Humidity 10% ~ 95%	Fach			
		Material Fire-proof plastic	Each	10		
v)	NICA	FACP				
	NSI	Supply, install, testing and commsiong of				
		Addressable FACP. Each loop can connect up to				
		250 addressable devices. Maximum networking				
		are 32 loops and total addressable points are				
		8000.				
		Large LCD screen (40 x 15 lines) allows more				
		events to be displayed on the same screen.				
		Power 220V AC 50/60Hz				
		*Others also available				
Į		Battery Capacity 24V DC 4Ah				
t		Charging Voltage, Current 26V DC 100~400mA				
		*With auto adjustment function				
		Zone Voltage, Current 26.5V DC 340mA				
		System Capacity 250 devices/1 loop				
		*Expandable for site requirement				
		Exterior Resistance Round-trip under 400				
		Transmitting Method Digital series transmitting				
		Accumulation Time 0~40 seconds				
		Main Sound 85dB @1M	- · ·			
		Material 1.6mm steel plate	Each	1		

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vi)		Cable				
.,	NSI	Supply, install testing and commisiong of 2 x 2.5				
	1101	mmsg shielded drain wire, 30 minutes fire				
		resistance, red, LPCB approved, BS 7629-1/2008,				
		BS 5839-1 standard in 25 mm dia pvc conduit				
		complete in all respects including cost of conduit				
		and its accesories installing arrangment, making				
		jurnes in wall and repairment of wall .(Newage,				
		Pakistan Cable, Fast or approved equivalent).				
		conduit should be of Dadex, Turkplast, Easyfit or				
		equivalent as per instructions by engineer		ļ		
			Rmtr	800		
		incharge.	10,10	000		
vii)		Programming, Testing and Commissioning				
	NSI	Programming, Testing and Commissioning of				
		Complete system by authorized certified company		1		
		complete in all respects as per instructions of the				
		Engineer.	Job	1		
vlii)		Fire Extinguishers				
	NSI	Supply & installation of 1 x 6kg DCP CO2 Fire				
		Extinguishers installed as per instructions of		1		
		Cleint, complete with wall hanging and mounting				
		arrangement complete in all respects. Complete in		1		
		all respect as per instructions by site engineer				
			Nos.	10		
5		GROUNDING SYSTEM				
i)		Earthing system with road				
1		Supply and install pair of earth electrode		1		
		comprising 13ft (4m)long 2" (50mm) dia G.I. pipe				1
1		having 3/8" (10mm) dia holes at 20" (500mm) c/c				
		all along the length of pipe burke 40ft (6.09m)				
	NSI	underground in upright position including all				
		accessories for complete installation such as nuts				
		bolts, washers 2x3/0 SWG copper conductor				
		earthing lead complete in all respect				
			No.	2		
ii)		Grounding Connection Point				
T		Supply of Grounding connecting points consisting				
		of copper plate 300mm long x50mm wide x 6mm				
		thick to be installed, complete with fixing				
	NSI	arrangement, brass riuts bolts, washers, lugs,				
		12.5mm dia. holes to facilitate connections of				
		Incoming copper strips / copper conductors.				
			Nos.	2	1	
lii)		Testing and commissiong				
		Testing and commissioning of the earthing system				
		in the presence of site engineer with electronic			1	
		devices such as megger etc, making so report			1	
	NSI	with after approximating 3 time testing and the				
		grounding ohm must be less than or upto 3 ohms			1	
			Nos.	2		
		Total of Non-MRS Items		<u> </u>	1	
		Grand Total				



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ESTABLISHMENT AND DEVELOPMENT OF THE ISLAMIA UNIVERSITY OF BAHAWALPUR SUB CAMPUS AT AHMADPUR EAST ACADEMIC BLOCK

BILL OF QUANTITIES

		EXTERNAL DEVELOPMENT				
Şr. No.	item No.	Description of Item	Unit	Qty	Rate	Amount
1	C-10/3	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.	%Cft	7977.1		
2	C-10/41-c	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) c) 80-mm thick	P.Sft	7977.11		
3	C-6/53-(ii)	Providing & fixing precast Edge Kerb Stone (4" to 6" thick) and 14" high of Compressive Strength of 3500 PSI laid in cement sand mortar (1:3) over pre-laid brick masonary for drain cum footpath etc complete in all respect.		3452.40		
4	C-26/45-(i)	Supply and Erection of 10 ft high Cantiliver type Car Parking Shed consisting of 3 mm thick fiber glass sheet roof fixed / riveted with moulded curved frame comprising of 1-1/2"x1-1/2" 16-SWG MS box placed @ 2 ft C/C both sides and 1-1/2"x3" M.S box 16-SWG at front and back side welded on cantillever arch type MS pipe 3" dia arms welded with 3/8" thick and 8 " dia Main Post duly welded with 1/2" thick 1.5'x1.5' base plate and 4 no stiffeners of 1/2" thick MS sheet embeded in PCC 2'x2'x3' with 18" long nut bolts 1"dia i/c cost of foundation,cutting straightening assembling, bending as per drawing, welding / grinding of joints and painting three coats complete in all respect as approved by the Engineer Incharg respects. (i) One side Cantilever		4620.00		
5	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	2664.4		
		Total of MRS ITEMS				
		GRAND TOTAL OF CIVIL WORKS				



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ESTABLISHMENT AND DEVELOPMENT OF THE ISLAMIA UNIVERSITY OF BAHAWALPUR SUB CAMPUS AT AHMADPUR EAST ACADEMIC BLOCK

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a	EQUIPMENT Supply, Installation Testing & Commissioning of All DC Inverter Controlled Variable Refrigerant Flow (VRF) Heat Pump Type Mutti Split A/c System with 02 compressors complete with built-in auto control system & Central Controller with display (Tablet) including unloading, Lifting, placing and Fixing at foundation at locations shown on drawing. Capable to operate at 48 °C ambient without tripping with T3 compressor. Make: GREE, AUX, HISENSE or Eq. Outdoor Condensing Units CU-1 (Net Cap. 56 TR) CU-3 (Net Cap. 58 TR) CU-4 (Net Cap. 54 TR)	City		F QUANTITIE AC WORKS Supp Rate	ies (PKR) Amount	Installati Rate	ons (PKR) Amount	Totai Amount
a)	Supply, Installation Testing & Commissioning of All DC Inverter Controlled Variable Refrigerant Flow (VRF) Heat Pump Type Multi Split A/c System with 02 compressors complete with built-in auto control system & Central Controller with display (Tablet) including unloading, Lifting, placing and Fixing at foundation at locations shown on drawing. Capable to operate at 48 °C ambient without tripping with T3 compressor. Make: GREE, AUX, HISENSE or Eq. Outdoor Condensing Units CU-1 (Net Cap. 62 TR) CU-2 (Net Cap. 56 TR) CU-3 (Net Cap. 58 TR)			Supp				
a)	Supply, Installation Testing & Commissioning of All DC Inverter Controlled Variable Refrigerant Flow (VRF) Heat Pump Type Multi Split A/c System with 02 compressors complete with built-in auto control system & Central Controller with display (Tablet) including unloading, Lifting, placing and Fixing at foundation at locations shown on drawing. Capable to operate at 48 °C ambient without tripping with T3 compressor. Make: GREE, AUX, HISENSE or Eq. Outdoor Condensing Units CU-1 (Net Cap. 62 TR) CU-2 (Net Cap. 56 TR) CU-3 (Net Cap. 58 TR)		Unit					
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a)	02 compressors complete with built-in auto control system & Central Controller with display (Tablet) including unloading, Lifting, placing and Fixing at foundation at locations shown on drawing. Capable to operate at 48 °C ambient without tripping with T3 compressor. Make: GREE, AUX, HISENSE or Eq. Outdoor Condensing Units CU-1 (Net Cap. 52 TR) CU-2 (Net Cap. 56 TR) CU-3 (Net Cap. 58 TR)							
a>	system & Central Controller with display (Tablet) including unloading, Lifting, placing and Fixing at foundation at locations shown on drawing. Capable to operate at 48 °C ambient without tripping with T3 compressor. Make: GREE, AUX, HISENSE or Eq. Outdoor Condensing Units CU-1 (Net Cap. 62 TR) CU-2 (Net Cap. 56 TR) CU-3 (Net Cap. 58 TR)							
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a	foundation at locations shown on drawing. Capable to operate at 48 °C ambient without tripping with T3 compressor. Make: GREE, AUX, HISENSE or Eq. Outdoor Condensing Units CU-1 (Net Cap. 62 TR) CU-2 (Net Cap. 56 TR) CU-3 (Net Cap. 58 TR)							
a)	Capable to operate at 48 °C ambient without tripping with T3 compressor. Make: GREE, AUX, HISENSE or Eq. Outdoor Condensing Units CU-1 (Net Cap. 62 TR) CU-2 (Net Cap. 56 TR) CU-3 (Net Cap. 58 TR)			: 				
a>	with T3 compressor. Make: GREE, AUX, HISENSE or Eq. Outdoor Condensing Units CU-1 (Net Cap. 62 TR) CU-2 (Net Cap. 56 TR) CU-3 (Net Cap. 58 TR)							
a	Make: GREE, AUX, HISENSE or Eq. Outdoor Condensing Units CU-1 (Net Cap. 62 TR) CU-2 (Net Cap. 56 TR) CU-3 (Net Cap. 58 TR)							
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	CU-1 (Net Cap. 62 TR) CU-2 (Net Cap. 56 TR) CU-3 (Net Cap. 58 TR)							l
	CU-1 (Net Cap. 62 TR) CU-2 (Net Cap. 56 TR) CU-3 (Net Cap. 58 TR)							
	CU-1 (Net Cap. 62 TR) CU-2 (Net Cap. 56 TR) CU-3 (Net Cap. 58 TR)							
	CU-2 (Net Cap. 56 TR) CU-3 (Net Cap. 58 TR)		<u> </u>		·		1	
	CU-3 (Net Cap. 58 TR)	1	No.					
-		1	No.			<u> </u>	1	····
	CI1.4 (Not Con E4 TP)	1 1	No.					l
		1	No.					
	CU-5 (Net Cap. 45 TR)	1	No.			L		L
1.1	CU-6 (Net Cap. 44 TR)	1	No.					
	CU-7 (Net Cap. 44 TR)	1	No.					
	CU-8 (Net Cap. 48 TR)	1	No.					
Ъ	Indoor Units							
-FH							· · · ·	
a	Cassette Type Units			···· · · · · · · · · · · · · · · · · ·				
	CIU-1 (1.2 TR)	35	Nos.			+		i
+	CIU-1 (1.5 TR)	9	Nos.					+
\rightarrow	CIU-1 (2.0 TR)	96	Nos.	ļ				+·· · · · · · · · · · · · · · · · · · ·
	CIU-1 (3.0 TR)	18	Nos.	<u> </u>				
_								
	Fresh Air Ducted Units		· ·					·
	FIU-1 (2000 CFM - 14 TR - ESP 0.88")	4	Nos:				<u> </u>	ļ
	FIU-2 (1600 CFM - 12 TR - ESP 0.75")	4	Nos.				-	
iii)	Auto Control System For VRF System with Central Co	1	Nos.		•	<u> </u>		
iv)	Refrigerant Distributer (Y-Type) Pipe Joints	1	Lot					
	Supply & Installation of Centrifugal Fans as specified							
ł	and scheduled complete with gravity shutter, un-							
	loading, lifting and fixing at locations as shown on			ļ				
	the drawings.		1					1
-	EF-1 (200 CFM @ 0.75" E.S.P)	4	No.	1	l			†
\neg	EF-2 (500 CFM @ 1.0" E.S.P)	1	No.	1	1			1
			<u> </u>	1		1		1
+	DUCT WORKS		1	1		ţ		†
	Supply, Fabrication and Installation of G.I. ducting &		-	ŀ	<u> </u>	1		+ · · · ·
	Sheet Metal work complete with 1" thick foam	l			1	1		1
					1			
	insulation, hangers, bracings, splitter dampers etc]					1
+		4 100		<u>↓</u>				• <u>+</u>
+	US Gauge 26	1400			ļ			÷
	US Gauge 24	1700	Sft		L			
-			 	<u> </u>				<u> </u>
	Supply & Installation of round insulated flexible duct		;					
$-\!$	complete with jublee clamps.	L	ļ					
	Ø 6"	250	Rft					
-								
	Supply & Installation of 18 gauge G.I. Sheet Volume	10	Sft					
	Control dampers as specified							1
			1	1	· · · · ·	-		·
; [.	Supply & Installation of Aluminum air devices as		1	1	1	<u> </u>		<u>†</u>
1	specified and scheduled				i i			1
- T	Fresh / Exhaust Air Louvers	18	Sft	<u> · · · · · · · · · · · · · · · · · · ·</u>		1	+	+

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ESTABLISHMENT AND DEVELOPMENT OF THE ISLAMIA UNIVERSITY OF BAHAWALPUR SUB CAMPUS AT AHMADPUR EAST ACADEMIC BLOCK

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				ACAD	EMIC BLOCI	K			
			E		F QUANTITI	ES			
				HV	AC WORKS				
Şr. No.		4D Diffuser		Unit	Suppl Rate	lies (PKR) Amount	Installations (PKR) Rate Amount		Total Amount
NQ.	D	4D Diffuser	25	Sft		Ritount		Billouin	Amoun
		PIPE WORKS							
7		Supply and Installation of Gas & Liquid Copper Piping along with isolation valves with each indoor unit for A/c System Complete with ArmaFlex O Class Tube type 19mm thick insulation, gas charging, accessories, clamping and other related material for installation purpose, complete in all respect.	1	Lot	ľ				
		REFRIGERANT PIPE SIZES SHALL BE AS PER MANUFACTURER'S RECOMMENDATION.			:	1			
8		Supply & installation of G.I Sheet Tray with top covering required to install refrigerant pipes running at exposed roof	1	Lot					
j		Supply, fabrication and installation of PVC Drain Piping & Fittings complete with the insulation and taping, including hangers, anchor bolts, rubber vibration mounts etc.							
		Ø 0.75 Inch	1055	Rft					
		Ø 1.00 Inch	350	Rft					
10		ELECTRICAL WORKS Supply & installation of HVAC related Electrical works as specified and as shown on the drawings							
						(· · · ·			
	<u>a)</u>	Electrical Panels		<u> </u>	ļ			×.	
	1	ACP-1	1	No					
	÷	ACP-2 ACP-3	1	No No	· · · · · ·				
	ł	ACP-4	1	No					
	+		<u> </u>	· · · · ·	1				
	b)	Conduiting and wiring onward from main panel room to MCC, MCC to all outdoor units and DB to all HVAC equipment (indoor &outdoor) complete with cables/wires, cables glands, cable ties, cable trays, cable trunkey, G.I./PVC conduits etc. including earthing, control wiring and all other items to complete the Job.	1	Lot					
_	[
		·····			Totai				
			G	ST (179	%) & SST (16%)				
					Grand Total				

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(2) Solar and the survey is a labor way by a labor by N