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

ENGINEER'S COST ESTIMATE

CIVIL WORKS

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
MRS,	1st BI-AI	NNUAL-2022 (1st JANUARY-2022 to 30th JUNE -2022) DISTRIC	T BAHAWALPUI	R	•	
		SCHEDULE ITEMS-A				
		Earth Work				
1	CH:3	Jungle clearance and removing within 100 ft. (30 m).a) thick	74,000.00		1000 Sft	
2	CH:3 item 21(b) 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.				
		i) By manual	190,537.99		1000 Cft	
		ii) By excavator	127,025.32		1000 Cft	
3	CH:3 item 20(b) P-	Dressing of earthwork (done by machinery or otherwise and left undressed) to designed section. (Excavation by Excavator)	13,000.00		100 Sft	
4	CH:3 item 15	Filling, watering and ramming earth under floors:				
	CH:3	i) with surplus earth from foundation, etc.	211 709 99		1000 Cft	
5	15(i) CH:3 item	Earthwork excavation in ashes, sand and soft soil or silt clearance, undressed lead upto 2 km (2000 metre).	211,708.88			
6	2+17 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) 95% to 100% maximum modified AASHO dry density.	621,600.00 248,708.88		1000 Cft	
		Anti-Termite				
7		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	299,411.44		Per Sft	
		Plain and Reinforement Concrete				
8	CH:6 item 5 P-42	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):-				
	(i)	Ratio 1: 4: 8	25,680.65		100 Cft	
	(f)	Ratio 1: 2: 4	24,089.69		100 Cft	
9	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.):-	,			

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
		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:-				
		Foundation				
	(2)	Type B (nominal mix 1: 1½: 3)	04.550.40		Per Cft	
10	(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:	84,552.10		Per Cit	
		Type B (nominal mix 1:1-1/2:3)				
		Upto 9" thick (Avg)	3,500.00		Per Cft	
	(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;-	3,300.00		T el Oit	
		GROUND FLOOR				
	(a)(i)(2)	Type B (nominal mix 1: 1½: 3)	103,000.00		Per Cft	
		FIRST FLOOR	103,000.00		Per Cit	
((a)(i)(2)+(d	Type B (nominal mix 1: 1½: 3)				
		MUMTY	65,525.00		Per Cft	
(a	a)(i)(2)+(dx					
	T		6,914.72		Per Cft	
		Carriage				
11	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 (or approved quarry) to site of work)	25,007.00		% Cft	
		Steel Reinforcement	-,			
12	CH:6 item 11 (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)	698,500.00		100Kg	
13	CH:6 item 35 (b)(i) P-49	Providing and laying damp proof course of cement concrete 1:2: 4(using cement, sand and shingle), b) with 2 coats of bitumen :- i) 1½" thick (40 mm)				
14	CH:6 item 27 P-48	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:-	189.20		100 Sft	
	a)	On interior surface (without mastic strip)	722.40		Per/Rft	
	b)	On exterior surface (with mastic strip)	722.40		Per/Rft	
15	CH:6 item 34 (b)	Providing and fixing thermopore (foamed polythene) sheet in horizontal and vertical expansion joints:				
	. ,	b) 11/2" (40 mm) thick thermopore sheet	9,941.40		Per/Sft	
16	CH:6 item 14	Providing and fixing ornamental cement jali 2" (50 mm) thick	3,402.00		Per Sft	
		Brick Work	T			
17	CH:7 item 4	Pacca brick work in foundation and plinth in:-Cement, sand mortar:-Ratio 1:6	18,162.00		100 Cft	
18	CH:7 item 4	Pacca brick work in foundation and plinth in:-Cement, sand mortar:-Ratio 1:4	2,175.76		100 Cft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	CHAIL	GROUND FLOOR				
19	CH:7 item 5	Pacca brick work in ground floor :- Cement, sand mortar:-Ratio 1:6	65,374.00		100 Cft	
20	CH:7 item 5	Pacca brick work in ground floor :- Cement, sand mortar:-Ratio 1:4	2,049.86		100 Cft	
		FIRST FLOOR	_,•		700 011	
21	Ch-7 item 5	Pacca brick work in first floor:- Cement, sand mortar:-Ratio 1:6	68,428.00		100 Cft	
22	CH:7 item 5	Pacca brick work in first floor :- Cement, sand mortar:-Ratio 1:4	2,049.86		100 Cft	
	<u></u>	MUMTY	,			
23	Ch-7 item 5	Pacca brick work in second floor:- Cement, sand mortar:-Ratio 1:6	2,416.05		100 Cft	
24	Ch-7 item 9	Extra labour for arch work in brick masonry, including labour for centring and decentring.	140.96		100 Cft	
25	Ch-7 item 13	Extra for face work (half brick thick) using special bricks instead of first class bricks.	16,637.37		100 Cft	
		Flooring				
26	Ch-7 item 30	Supplying and filling sand under floor; or plugging in wells	25,727.39		100 Cft	
27	Ch-10 item 3 P-70	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	,			
			44,235.08		100 Cft	
28	Ch-10 item 23 P-72	Providing and laying floor of mosaic marble chips tiles 1"(25 mm) thick of approved quality and shade, laid in white cement and pigment, over ¾"(20 mm) thick bedding of cement sand mortar 1:2, including finishing and polishing, complete.				
			1,000.00		100 Sft	
29	Ch-10 item 35 (b)	Tile skirting laid in 1:2 cement mortar, over ¾"(20 mm) thick cement mortar, 1:2 including cement washing and filling joints complete:-				
	P-74	(b) mosaic tiles	226.80		100 Sft	
30	Ch-10 item 40 (a) P-74	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels a) Size 1½" x 3/8" (40 x 10 mm)	1,873.37		Per Rft	
31	Ch-10	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				
- 00	01.40		7,875.00		P.Sft	
32		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				
		(i) 400 mm x 400 mm	85,500.00		P.Sft	
		(ii) 600mmx 600 mm	38,500.00		P.Sft	
33	Ch-10 item 43 (a-1) P-75	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.				
		(i) 400 mm x 400 mm	35,118.50		P.Sft	
		(ii) 600mmx 600 mm	2,770.85		P.Sft	

Item No.	REF. Nos	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
34	CH/ITE Ch-10 item 47 (i) P-76	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	3,048.00		P.Sft	
35	Ch-10 item 48 P-76	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.	1,500.00		P.Rft	
			,			
36	Ch-10 item 49 P-76	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.	85.00		Each	
37	Ch-10 item 50 (i) P-76	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	4,876.00		P.Sft	
38	Ch-10 item 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) 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"	2,400.00		P.Sft	
39		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"	4,200.00		P.Sft	
		Surface Rendring	,			
40	item 10	Cement plaster ratio 1:3 under soffit of RCC roof slabs only , upto 20' height. 3/8" (10 mm) thick. (ceiling plaster)	70.470.70		100.0%	
41	Ch-11 item 9 (b) P-78	Cement plaster 1:4 on internal walls upto 20' (6 m) height, 1/2" (13 mm) thick.	79,178.73 349,822.91		100 Sft	
42	Ch-11 item 9 (c) P-78	Cement plaster 1:4 on external walls upto 20' (6 m) height, 3/4" (20 mm) thick.	17,668.35		100 Sft	
43	Ch-11 item 9 (c) & 28	Cement plaster 1:4 on external walls upto 30' (9 m) height, 3/4" (20 mm) thick.	3,788.40		100 Sft	
44	Ch-11 item 9 (c) &	Cement plaster 1:4 on external walls upto 40' (12 m) height, 3/4" (20 mm) thick.	14,165.55		100 Sft	
		Wood Work & Door Chowkat				
45	Ch-12 item 61 (b-i) P- 92	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. iii) brass sliding bolt, 10" (250 mm) long	416.00		Each	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
46		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.				
			12,175.00		Per Sft	
47	item 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) 10.50 " wide	2,785.00		Per Sft	
		ii) 5.5 " wide	975.00		Per Sft	
		Painting and Warnishing				
48	Ch-13 item 31	Preparing surface and painting with emulsion paint:- 3 Coats New Surface	456,830.79		100 Sft	
49	Ch-13 item 32A (a)(i+ii) P-98	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:- 2 Coats New Surface	37,403.42		100 Sft	
50	Ch-13 item 7	French polishing complete:- on new work	24,351.60		100 Sft	
	item 7	Roofing & Water Proofing	24,331.00		100 311	
51		Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation / Foam Board on roof or walls, Density 32-38 Kg/M, compressive strength 250-400kpa,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) 2" thick	82,692.88		100 Sft	
52	Ch-9 item 5 P-60 + Ch-26 item 37(iix2) P-163	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	82,692.88		100 Sft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
53	Ch-9 item 15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm).	52.00		Each	
54	Ch-9 item 16 P-62	Bottom Khuras of brick masonry in cement mortar 1:6, 4'x2'x4½" (1200x600x113 mm) over 3" (75 mm) cement concrete 1:4:8.	52.00		Each	
	01- 05	Miscellenious				
55	Ch-25 item 59 (i) P-208	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	10,500.00		Per Sft	
56	Ch-25 item 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"x¾") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 2mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.				
57	Ch-25		10,500.00		Per Sft	
	item 53 P-207	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 thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	5,500.00		Per Sft	
58		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.	500.00		Per Sft	
59		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 Floor Mounted Cabinet)	184.00		Per Sft	
60		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. (for Wall Mounted Cabinet)				
		1-1/2' deep,with back	120.00		Per Sft	
61		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 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.				
		9 mm thick	38,500.00		Per Sft	

Seam 66 Po-209 Seam 66 Po-2019 Seam 66 Po-2019 Seam 66 Po-2019 Seam 66 Po-2019 Seam 67 Seam	Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
Providing and fixing 2 mm thick Double glazed alturninium windows of anodized bronze colour party fixed and party sliding using delives section of 100mm x 60mm x2 mm using frame (7000) at bettom (7000) at 10 pt 8.0 ke made of Paksishim C7000) at bettom (7000) at 10 pt 8.0 ke made of Paksishim C7000) at bettom (7000) at 10 pt 8.0 ke made of Paksishim C7000) at bettom (7000) at 10 pt 8.0 ke made of Paksishim C7000) at bettom (7000) at 10 pt 7000) at 10 pt 7000 a	62	Ch-25 item 66	consisting of 1-1/4" x1-1/4" x3/16" angle Iron Frame & 1" x1" x1/8" MS Flat for center vertical bracing duly welded with MS sheet 24- SWG Sheet on all Sides, Back & Top and for partitions / Shelves and 1"x1"x1/8" Angle Iron for Leaf Frame duly welded with 18- SWG for Front Door and hinges and locking arragement ,handles duly painted with hammar paint 3-coats complete in all respect as approved by the Engineer	300.00		Per Sft	
Providing and fixing 2 mm thick Double glazed alturninium windows of anodized bronze colour party fixed and party sliding using delives section of 100mm x 60mm x2 mm using frame (7000) at bettom (7000) at 10 pt 8.0 ke made of Paksishim C7000) at bettom (7000) at 10 pt 8.0 ke made of Paksishim C7000) at bettom (7000) at 10 pt 8.0 ke made of Paksishim C7000) at bettom (7000) at 10 pt 8.0 ke made of Paksishim C7000) at bettom (7000) at 10 pt 7000) at 10 pt 7000 a	63	25/56					
64 Ch-12 tiem panelled 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 P-83 and 1-1/2'2-1/2" beadings all around the panels i/c the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bothlock and chowkets (frame), etc.) as approved and directed by the Engineer Incharge Oak/Ash wood Door, 1.50" thikc (40mm) 120.00 Per Sft 65 Ch-12 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. Matt Finish Total "A" (Schedule Items) C/o to Summary of Cost: Non SCHEDULE ITEMS-B Flooring		20/30	windows of anodized 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	145.00		Per Sft	
Item				1 10.00		1 01 011	
item 43 Preparing surface and Lacquar poisin to fevela 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 350.00 Per Sft	64	item 7-(b-iii)	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 Oak/Ash wood Door,	120.00		Per Sft	
Total "A"(Schedule items) C/o to Summary of Cost: NON SCHEDULE ITEMS-B	65		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				
Non Schedule Items-B Flooring Excavation Upto any Depth			•	350.00		Per Sft	
Flooring Excavation Upto any Depth IN.S 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 (bellow 5'), 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. 2 N.S Providing and fixing 1½" (40mm) thick uPVC flush door & all hardware/ accessories chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect as approved by the engineer incharge. 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.			Total "A"(Schedule items) C/o to Summary of Cost:				
Excavation Upto any Depth 1 N.S 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 (bellow 5'), 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. 2 N.S Providing and fixing 1½" (40mm) thick uPVC flush door & all hardware/ accessories chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect as approved by the engineer incharge. 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.			NON SCHEDULE ITEMS-B				
1 N.S 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 (bellow 5'), 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. 2 N.S Providing and fixing 1½" (40mm) thick uPVC flush door & all hardware/ accessories chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect as approved by the engineer incharge. 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.							
2 N.S Providing and fixing 1½" (40mm) thick uPVC flush door & all hardware/ accessories chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect as approved by the engineer incharge. 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.	1	N.S	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 (bellow 5'), 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				
hardware/ accessories chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect as approved by the engineer incharge. 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.				216,657.10		Per/Cft	
equivalent), complete in all respect as per specification and as approved by the Engineering Incharge.	2	N.S	hardware/ accessories chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate	1,176.00		Per/Sft	
SOU.UU EACH	3	N.S	equivalent), complete in all respect as per specification and as	250.00		Essh	
				330.00		Lauli	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
4	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.	320.00		Per/Sft	
5	N.S	Providing and fixing Steel Floor trap Jali complete in all respect as per specification and as approved by the Engineering Incharge.	100.00		Each	
		Total "B"(Schedule items) C/o to Summary of Cost:				
		Net Total (A+B)				

INTERNAL PUBLIC HEALTH WORK

Item No.	REF. Nos	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	1st BI-AN	NNUAL-2022 DISTRICT BAHAWALPUR			•	
		Schedule Items (A)				
		Plumbing Fixtures				
1	Ch 19	Providing and fixing BATHROOM ACCESSORIES (7-piece set)				
	item	MASTER BRAND - One Cosmetic Shelf, One Towel rod with				
	23/P-	bracket, One soap dish, One double hook, One towel ring,				
	129	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	84		Each	
		ii) Plastic toilet paper holder	92		Each	
		iii) Plastic tower rail	44		Each	
		iii) Plastic shelf 60x13 cm (24:x5") with bracket and railing				
			20		Each	
		iv) Looking glass with plastic frame	20		Each	
2	Ch 19	Providing and fitting glazed earthen ware water closet				
	item	European type, excluding seat and cover:-				
	01.10	coloured	20		Each	
3	Ch 19	Providing and fixing, double seat and cover only. Bakelite	20		Fash	
	item		20		Each	
4	Ch 19	Providing and fitting glazed earthen ware water closet, squatter				
-	item	type (Orisa pattern), combined with foot rest.				
	4/P-127	type (Onsa pattern), combined with look rest.				
	1/1 121	coloured	32		Each	
5	Ch 19	Providing and fitting glazed earthen ware wash hand basin				
	item	56x40 cm (22"x16") including bracket set, waste pipe and waste				
	7/P-127	coupling, etc.				
		i) white, with pedestal	20		Each	
		ii) Under Counter Vanity Basin	64		Each	
6		Providing and fixing stainless steel sink with drain board, size				
	item	120x60 cm (48"x24") including bracket set, waste pipe and	0		Foob	
7		waste coupling. Providing and fixing CP bath Room Set made of	8		Each	
′	item	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	46		Each	
<u> </u>		(ii) Lever Type Basin Mixer	84		Each	
		(iii) Double Bib Cock (iv) Muslim shower	16 92		Each	-
8	Ch 23	Providing, laying, testing and commissioning of	92	+	Each	
"	item	POLYPROPYLENE RANDOM COPOLYMER (PPRC) water				
	47/P-	supply pipe made of (Dadex				
	160	/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).				
<u> </u>		DN 00 min a				
1		PN-20 pipe (i) (3/4") 25 mm	715		Per Rft	

ltem No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
		(ii) (1") 32 mm	902		Per Rft	
		(iii) (1-1/4") 40 mm	627		Per Rft	
		(iv) (1.5") 50 mm	500		Per Rft	
9	Ch 23	Providing and fixing CP heavy duty brass Ball valve with CP				
	item	handle of specified diameter made of Faisal/Sonex /				
	46/P-	Master best quality or equivalent complete in all respect				
	160	as approved and directed by the Engineer Incharge.				
		i) 1" dia	16		Each	
		ii) 1-1/4" dia	16		Each	
		ii) 1-1/2" dia	5		Each	
		iii) 2" dia	3		Each	
10		Providing, fixing, testing and commissioning of μ-PVC				
	item	(Unplasticized polyvinyl Chloride) Nikasi/ waste pipe make of				
	47/P-	dadex /Popular/Beta/BBJ plain /socket ended conforming to				
	132	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)	1500		Per Rft	
		ii) 4"(110 mm)	2000		Per Rft	
		iii) 6" (160 mm)	900		Per Rft	
		iv) 7.50" (200 mm)	500		Per Rft	
11		Providing, laying, testing and commissioning				
	item	underground Yellow Polyethelene flexible gas pipe Tubing of				
	49/P-	required IPS(Iron Pipe Size) in the trenches , made of (Dadex/				
	132	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"	620		Per Rft	
		(ii) 1"	1288		Per Rft	
		Sewerage System				
12	Ch 19	Providing, fixing, testing and commissioning of μ-PVC				
	item	(Unplasticized polyvinyl Chloride) Nikasi/ waste pipe				
	48/P-	Fittings make of dadex /Popular/Beta/BBJ conforming to				
	133	code EN-1401 ncluding the cost of Solvents complete in all				
		respect as approved and directed by the Engineer Incharge.				
		(a) P Tran				
		(a) P-Trap (i) 4" dia	175	+	Each	
		(b) Vent Cowel	173	+	Latii	
		NOT VEHI COVEL		<u> </u>		ļ
			20		l Lach	
12	Ch 10	(i) 3" dia	20	<u> </u>	Each	
12		(i) 3" dia Providing and fitting plastic made low down flushing cistern	20		Each	
12		(i) 3" dia Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper				
12		(i) 3" dia Providing and fitting plastic made low down flushing cistern	32		Each	

EXTERNAL PUBLIC HEALTH WORK

Item No.	REF. Nos	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
MRS,	1st BI-AI	NNUAL-2022 DISTRICT BAHAWALPUR				
		Schedule Items (A)				
		Water Supply System (For Pipe Line)				
1		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.	8281		1000 Cft	
		Sewerage System (For Pipe Line)				

2 (Ch 3 item Ch 7 item Ch 23 item	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:- (FOR PIPES) i) 0 ft. to 7.0 ft. (0 to 2.10 m) depth Supplying and filling sand under floor; or plugging in wells Providing, laying, testing and commissioning of	5050 1011		1000 Cft	
3 (Ch 7 item Ch 23 item	Supplying and filling sand under floor; or plugging in wells Providing, laying, testing and commissioning of				
3 (Ch 7 item Ch 23 item	Providing, laying, testing and commissioning of				
	item				100 CIL	
2	47/P- 160	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				
		(2") 63 mm	2070		Per Rft	
	item	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	1		Each	
i 2	Ch 19 item 47/P- 132	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)				
		iii) 6" (160 mm)	949		Per Rft	
		iv) 7.50" (200 mm)	583	1	Per Rft	
<u> </u>		Total "A"(Schedule item	s) C/o to Sum	mary of Cost		

No	Reff.	Description	Quantity	Rate	Unit	Amount
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)	13704.00 6669.00 1800.00 2000.00		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)	2500.00		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 (7/0.036") 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")	41112.00 10864.00 16816.00 480.00 400.00 4500.00 4000.00		Per M Per M Per M Per M Per M Per M	
	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				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	CII/IIE	volt non armoured cable:-				
		i) 7/1.63 mm (7/0.064") ii) 19/1.32 mm (19/0.052")	480.00 400.00		Per M Per M	
3	24/30	Supply and erection of ceiling rose, bakelite.	2320.00		Each	
4	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 ii) 03 Gange iii) Three pin Light Plug 10/13 Amp iv) Fan Dimmer	20.00 20.00 700.00 200.00		Each Each Each Each	
		v) Three Pin Power Plug 15-32 Amp Large i) 04 Gange ii) 05 Gange	320.00 142.00 50.00		Each Each Each	
		iii) 06 Gange	220.00		Each	
5	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	100.00		Each	
6	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	7.00 7.00 6.00 8.00		Per Rft Per Rft Per Rft Per Rft	
		Electrical Work (Non-Schedule)			Total	
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)	1250.00		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)	1900.00		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)	30.00		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)	80.00		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		Each	

em No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
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)	197.00		Each	
7	N.S	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	197.00		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)	150.00		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)	14.00		Each	
10	N.S	Supply, installation, connection & commissioning of Main distribution boards, (DBs), Floor Standing design, made of M.S. Sheet 14 SWG with hinged door, handle, catchers and 2 coats of Approved paint, (Size 7'x6'x18") including Incoming Main MCCB (Adjustable Thermal-Magnetic/Electronic Trip				
		60/100%) 3-P, 1250 A (70KA) 1.00 No, For DB-N (Main MCCB Adjustable Thermal-Magnetic/Electronic Trip 60/100%) 3-P, 630A (70KA) 1.00 No and distribution MCCB 3-P, 100A (36KA) 16.00 Nos) & for DB-E (Main MCCB Adjustable Thermal-Magnetic/Electronic Trip 60/100%) 3-P, 400A (50KA) 1.00 No and distribution MCCB 3-P, 63A (7.5KA) 16.00 Nos) respectively, Digital Volt, Selector switches, LED Phase lights, Earthing bar and any accessories required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Legrand, GE,Schneider, Siemens, Terasaki, ABB or equivalent)(Copper Busbar TP-N will be paid separately via MRS item as per measurement at site)	2.00		Each	
11	N.S	Supply, installation, connection & commissioning of distribution boards, (Sub Main DB-E), Recessed type Wall mounted design, made of M.S. Sheet 18 SWG with hinged glass door, handle, and 2 coats of Approved paint, (Size 18"x24") including Incoming Main Molded Case Circuit Breaker of 3-P, 63 A (7.5 KA) 1.00 No, Distribution Miniature Circuit Breaker of 1-P, 6~40 A (6KA) 18.00 Nos, LED phase light volt meter type (RYB), Earthling bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Legrand, GE,Schneider, Siemens, Terasaki, ABB or equivalent).	26.00		Each	
12	N.S	Supply, installation, connection & commissioning of distribution boards, (Sub Main DB-N), Recessed type Wall mounted design, made of M.S. Sheet 18 SWG with hinged glass door, handle, and 2 coats of Approved paint, (Size 18"x24") including Incoming Main Molded Case Circuit Breaker of 3-P, 100A (25 KA) 1.00 No, Distribution Miniature Circuit Breaker of 1-P, 6~40A (6KA) 24.00 Nos, LED phase light volt meter type (RYB), Earthling bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Legrand, GE,Schneider, Siemens, Terasaki, ABB or equivalent).	26.00		Each	
13	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				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	<u> </u>	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		Each	
23	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	150.00		Per Rft	
24	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 respect	7580.00		Per Rft	
25	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) including cost of all other accessories as required All equipped as per specifications, complete in all respects.	20.00		Each	
26	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) includding cost of all other accessories as required. All equipped as per specifications, complete in all respects.	20.00		Each	
27	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) including cost of all other accessories as required. All equipped as per specifications, complete in all respects.	170.00		Each	
28	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) including cost of all other accessories as required. All equipped as per specifications, complete in all respects.	8.00		Each	
29	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	1.00		Each	
30	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				

No.	Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
		PEL, Technobuild, Ibbad Switchgear or Eqv.	1.00		Each	
					Total	
1	3/1-b	External Electrical Work Earthwork excavation underessed lead upto a single throw of				
		Kassi, phaorah or shovel:- In ordinary soil.	9752.00	'	%o Cft	
2		Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.l. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.l. wire 16 SWG. 240 mm sq (37/0.114)	450.00		Per M	
3	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				
			2.00		Each	
		External Electrical (Non-Schedule)			Total	
1	N.S	Supply & Laying of 3-core, 120mm², XLPE/PVC/SWA/PVC, 8.7/15Kv Aluminum conductor cable i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Fast Cable or Equivalent)				
			350.00		Per M	
2	N.S	Supply and installation of 120mm², 3-core, 11-KV Termination Kit i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.(Raychem or Equavalent)	4.00		Each	
			1.00		Lacii	
3	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		Each	
4	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		Each	
5	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		Each	
					Total	

Rate

Work No.02

REF.

Item

The Islamia University of Bahawalpur

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

Civil Work MRS Jan to Jun, 2022

No	Reff	Description	Quantity	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) in ordinary soil	77444.00		%o Cft	
2	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				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	CH/IIE	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	45998.00		Per Sft	
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	3750.00		% Cft	
4	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)	205000.00		% Kg	
		ii) Deformed bars (Grade-40)	25557.00		% Kg	
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:- using harrow sand i) Type B (nominal mix 1: 1½: 3)	18580.00		Per Cft	
		ii) Type C (nominal mix 1: 2: 4)	975.00		Per Cft	
6	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: 1½: 3) ii) Type B (nominal mix 1: 1½: 3) (First Floor)	34101.00 24830.00		Per Cft Per Cft	
7 i)	3/15	Filling, watering & ramming earth under floors:- with surplus earth from foundation, etc.	26496.00		%o Cft	
ii)		with new earth excavated from outside,lead upto 1/4 mile	408000.00		%o Cft	
8	7/5	Pacca brick work in ground floor:- cement, sand mortar:- i) Ratio 1:5 ii) Ratio 1:3 iii) First Floor Ratio 1:5 cement sand mortor iv) First Floor Ratio 1:3 cement sand mortor v) Second Floor Ratio 1:5 cement sand mortor	28640.00 2078.00 25473.00 2073.00 4019.00		% Cft % Cft % Cft % Cft % Cft	
9	7/4	Pacca brick work in foundation and plinth in:- cement sand mortor Ratio 1:6	6000.00		% Cft	
10	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	
11	11/10	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, i) upto 20' height. 1:3 ii) Above 20' height	35363.00 35363.00		% Sft % Sft	
12	11/11	Cement plaster 1:5 upto 20' (6.00 mm) height:- i) ½" (13 mm) thick ii) Above 20' height 1/2" thick 1:5 iii) 3/4" (20 mm) thick upto 20' height iv) Above 20' height 3/4" thick 1:5	80720.00 32887.00 61268.00 20433.00		% Sft % Sft % Sft % Sft	
13	7/30	Supplying and filling sand under floor; or plugging in wells.	12405.00		% Cft	
14	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.	18039.00		% Cft	
15	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. 2nd floor	31053.00		% Sft	
16	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,				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	CH/IIE	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 2" Thick	31053.00		% Sft	
18	26/37	Supplying and laying polythene sheet over D.P.C. under 'floors and on roofs, etc. 500 gauge (.005" thick)	31053.00		Per Sft	
19	6/16	Providing and fixing ornamental cement jali 2" (50 mm) thick (1: 2: 4), without steel.	2046.00		Per Sft	
20	10/40	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels. 1.5x3/8	7763.00		Per Rft	
21	10/15	Providing and laying topping of cement concrete 1:2:4,including surface finishing and dividing in panels:-1½"(40 mm) thick	10398.00		% Sft	
22	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"x¾") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 2mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	5280.00		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.	2850.00		Per Sft	
24	6/34	Providing and fixing theremopore (foamed polythene) sheet in horizontal and vertical expansion joints: 1½" thick thermopore sheet	3752.00		Per Sft	
25	13/31	Preparing surface and painting with emulsion paint:- 3 coats	198653.00		% Sft	
26	6/5	Cement concrete plain including placing, compacting finishing and curing complete (including screening and washing of stone aggregate): i) Ratio 1:2:4 ii) Ratio 1:4:8	225.00 7426.00		% Cft % Cft	
						<u> </u>
27	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	120.00		Each	
28	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	290.00		Per Rft	
29	12/50	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.	3300.00		Per Sft	
31	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)	55500.00		% Cft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
32	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/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		Per Sft	
33	25/36	Providing and fixing collapsible gate made of 2"x2"x"¼" tee iron at top and bottom, channel iron 'verticals ¾"x¼"x¼"x1/8" (20x6x6x3 mm) at 3" (75 mm) to 5" (125 mm) centre to centre (approximate) and flat iron crosses 3"x3/16" (75x5 mm), and best quality rollers at bottom of 3" (75 mm) diameter including holdfasts, handles 12" (300 mm) long of ¾"x¼"x¼"x1/8" channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled, complete in working order.	75.00		Per Sft	
34	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	57550.00		Per Sft	
35	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		Per Sft	
36	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	3500.00		Per Sft	
37	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.	1700.00		Per Rft	
38	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		Each	
39	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	1000.00		Per Sft	
40	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.	4055 55			
		12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	1958.00		Per Sft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
41	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		Per Sft	
42	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	4600.00		Per Sft	
43	11/39	Preparing surface and applying Graffiato Weather Coating (Co-polymer emulsion) of approved colour & shade with weather resistant pigment, highly water repellant with Metalic Spatula having top class finish by smoothing with a plastic Spatula, on a base coat (Primer) over well cleaned plastered surface complete in all respect as approved and directed by the Engineer Incharge.	52529.46		Per Sft	
44	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		Per Sft	
45	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 Floor Mounted Cabinet)	1800.00		Per Sft	
46	12/58	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. (for Wall Mounted Cabinet)			5 00	
		1-1/2' deep,with back	200.00		Per Sft	
47	25/56	Providing and fixing 2 mm thick Double glazed aluminium windows of anodized 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.	144.00		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 11/4" x 1"and 1 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.				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	CHAIL	9 mm thick	20000.00		Per Sft	
49	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) 10.50 " wide ii) 5.5 " wide	4000.00 420.00		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 Incharge.	66.00		Each	
51	25/62	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	120.00		Per Sft	
52	18/23	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 @ 4" c/c, including painting charges etc complete in all respect.	60.00		Per Sft	
53	12/43	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. Matt Finish	250.00		Per Sft	
54	12/7(b)	P/F 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 directed by Engineer B) Oak/Ash wood Door 1.50" Th.	100.00		Per Sft	
			100.00		Total	
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.	30.00		Each	
2	N.S	Providing & Fixing 1.50" thick uPVC flush door i/c PVC Chowkat of approved design and make, all hardwares/ accessories chromium plated fitting, iron hinges with aluminum kick plate 22 SWG on both sides including chowkat and finger plate complete in all respect	735.00		P/Sft	
3	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.	120.00		P/Sft	
4	N.S	Providing and fixing Steel Floor Jali complete in all respect as				
		per specification and as approved by the Engineering Incharge.	60.00		Each	
		Electrical Work			Total	
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)	4500.00		Per M	

Item No.	REF.	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	CH/ITE	ii) 1" i/d (25 mm)	6000.00	, ,	Per M	
		iii) 1.50" i/d (40 mm)	650.00		Per M	
		iv) 2" i/d (50 mm)	950.00		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)	1000.00		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")	24000.00		Per M	
		ii) 7/0.74 mm (7/0.029")	9000.00		Per M	
		iii) 7/0.91 mm (7/0.036")	5500.00		Per M	
		iv) 7/1.12 mm (7/0.044")	9000.00		Per M	
		v) 7/1.63 mm (7/0.064")	1200.00		Per M	
		vi) 19/1.32 mm (19/0.052")	5600.00		Per M	
		vii) 19/1.63 mm (19/0.064")	5600.00		Per M	
4	24/13	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.l. 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")	480.00		Per M	
		ii) 19/1.32 mm (19/0.052")	400.00		Per M	
5	24/30	Supply and erection of ceiling rose, bakelite.	1500.00		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		Each	
		ii) 03 Gange	10.00		Each	
		iii) Three pin Light Plug 10/13 Amp	400.00		Each	
		iv) Fan Dimmer	120.00		Each	
		v) Three Pin Power Plug 15-32 Amp	180.00		Each	
		Large				
		i) 04 Gange	85.00		Each	
		ii) 05 Gange	50.00		Each	
		iii) 06 Gange	140.00		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	55.00		Each	
8	24/96	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	2.22		D	
		(i) 400 Amp	3.00		Per Rft	
		(ii) 630 Amp	3.00		Per Rft	
		(iii) 1250 Amp (iv) 1600 Amp	4.00 5.00		Per Rft Per Rft	
					Total	
	•		1		•	•

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	CHAILE	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)	990.00		Each	
		2-righteer menange (r rimpe meson of 2-quivalent)	000.00		Lucii	
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)	1350.00		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		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)	60.00		Each	
		approved by the Engineer incharge. (WE000C OVAL Fillips)	60.00		Lacii	
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		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	120.00		Each	
		equivalent)				
7	N.S	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	120.00		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	150.00		Each	
		Equivalent)	130.00		Lacii	
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)	9.00		Each	
		, ,				
10	N.S	Supply, installation, connection & commissioning of Main				
		distribution boards, (DBs), Floor Standing design, made of M.S. Sheet 14 SWG with hinged door, handle, catchers and 2				
		coats of Approved paint, (Size 7'x6'x18") including Incoming				
		Main MCCB (Adjustable Thermal-Magnetic/Electronic Trip				
		60/100%) 3-P, 1250 A (70KA) 1.00 No, For DB-N (Main MCCB Adjustable Thermal-Magnetic/Electronic Trip 60/100%)				
		3-P, 630A (70KA) 1.00 No and distribution MCCB 3-P, 100A				
		(36KA) 16.00 Nos) & for DB-E (Main MCCB Adjustable				
		Thermal-Magnetic/Electronic Trip 60/100%) 3-P, 400A (50KA)				
		1.00 No and distribution MCCB 3-P, 63A (7.5KA) 16.00 Nos) respectively, Digital Volt, Selector switches, LED Phase				
		lights, Earthing bar and any accessories required at site.				
		Complete in all respects as approved by the engineer				
		incharge. (for MCCB & MCBs Legrand, GE,Schneider, Siemens, Terasaki, ABB or equivalent)(Copper Busbar TP-N				
		will be paid separately via MRS item as per measurement at				
		site)	1.00		Each	

tem No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
11	N.S	Supply, installation, connection & commissioning of distribution boards, (Sub Main DB-E), Recessed type Wall mounted design, made of M.S. Sheet 18 SWG with hinged glass door, handle, and 2 coats of Approved paint, (Size 18"x24") including Incoming Main Molded Case Circuit Breaker of 3-P, 63 A (7.5 KA) 1.00 No, Distribution Miniature Circuit Breaker of 1-P, 6~40 A (6KA) 18.00 Nos, LED phase light volt meter type (RYB), Earthling bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Legrand, GE,Schneider, Siemens, Terasaki, ABB or equivalent).	16.00		Each	
12	N.S	Supply, installation, connection & commissioning of distribution boards, (Sub Main DB-N), Recessed type Wall mounted design, made of M.S. Sheet 18 SWG with hinged glass door, handle, and 2 coats of Approved paint, (Size 18"x24") including Incoming Main Molded Case Circuit Breaker of 3-P, 100A (25 KA) 1.00 No, Distribution Miniature Circuit Breaker of 1-P, 6~40A (6KA) 24.00 Nos, LED phase light volt meter type (RYB), Earthling bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Legrand, GE,Schneider, Siemens, Terasaki, ABB or equivalent).	16.00		Each	
13	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.	6.00		Each	
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 iv) Looking glass with plastic frame	68.00 30.00 10.00 15.00 14.00		Each Each Each Each Each	
2	19/1	Providing and fitting glazed earthen ware water closet European type, excluding seat and cover:-coloured	17.00		Each	
3	19/2	Providing and fixing, double seat and cover only. Bakelite	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		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 42.00		Each Each	

Item	REF.			Rate	Π	
No.	Nos CH/ITE		Qty	(Rs.)	Unit	Amount (Rs.)
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		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 (ii) Lever Type Basin Mixer (iii) Double Bib Cock (iv) Muslim shower	40.00 42.00 17.00 17.00		Each Each Each Each	
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	4000.00 3500.00 1000.00		Per Rft Per Rft Per 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 ii) 1-1/4" dia	40.00 30.00		Each Each	
10	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 5250.00 2000.00		Per Rft Per Rft 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 (i) 1-1/4" (ii) 1" (ii) 2" (iii) 1.50"	1000.00 800.00 500.00 700.00		Per Rft Per Rft Per Rft 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		Each	
		(i) 3" dia	10.00		Each	
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		Each	

ltem No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
14	21/1	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete.				
		iii) 225 mm (9:) i/d	500.00		Rft	
15	19/27	Providing and fixing chromium plated bib cock:- 1.5 cm (½")	17.00		Each	
16	19/42	Providing and fitting chromium plated or oxidised, gas cock 6mm (1/4") Two way	5.00		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	19340.00		%o Cft	
2	21/1	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete. i) 225 mm (9") i/d	750.00		Per Rft	
		ii) 6" i/d	75.00		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	
4	7/4	Pacca brick work in foundation & plinth:- cement, sand mortar:- Ratio 1:4	2250.00		% Cft	
5	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	
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	7650.00		%o Cft	
7	21/15A	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.	41.00		Each	
8	6/51A	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) Without Painting	3000.00		Rft	
9	24/42	(i) 14" high 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 5.00		P.Con P.Con	
10	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-10 (SDR-17) 3" (90mm)	500.00		Per Rft	
					Total	<u> </u>
		External Civil Work			Total	

Item No.	REF. Nos	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
1	CH/ITE 7/30	Supplying and filling sand under floor; or plugging in wells.	2400.00		% 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	3336.00		% Cft	
3	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 respectsMRS 10/3	899.00		% Cft	
4	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	21000.00		Per Sft	
5	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	225.00		% Cft	
6	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 C (nominal mix 1: 2: 4)	188.00		Per Cft	
		External Electrical Work			Total	
1	3/1-b	Earthwork excavation underessed lead upto a single throw of Kassi, phaorah or shovel:- In ordinary soil.	4500.00		%o Cft	
2		Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG. 240 mm sq (37/0.114)	200.00		Per M	
3	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	1.00		Eggh	
			1.00		Each	
					Total	
1	N.S	External Electrical (Non-Schedule) Supply & Laying of 3-core, 120mm², XLPE/PVC/SWA/PVC, 8.7/15Kv Aluminum conductor cable i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Fast Cable or Equivalent)	160.00		Per M	
2	N.S	Supply and installation of 120mm², 3-core, 11-KV Termination Kit i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.(Raychem or Equavalent)	2.00		Each	
3	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	1.00		Each	
4	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		Each	
5	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		Each	
					Total	

Item No.	REF. Nos Description of Iter CH/ITE	S Qty	Rate (Rs.)	Unit	Amount (Rs.)
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Work No.03

The Islamia University of Bahawalpur Construction of New Academic Block at Bahawalnagar Campus **Estimate**

	•	<u>, </u>	MRS Janu	uary 2022 to	June, 20	22 BWN
Sr. No.	Ref.	Description	Quantity	Rate	Unit	Amount
1		Excavation in foundation of building, bridges and				
1		other structures, including dagbelling, dressing,				
		refilling around structure with excavated earth,				
	3/21.A ii	watering and rammiing lead 'upto one chain (30	61202.17		%o Cft	
	3/21.A1	m) and lift upto 5 ft. (1.5 m) By Manual. In ordinary soil.	Cft		700 CIT	
2		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				
	26/42	Incharge.	76466.96		P/ Sft	
			Sft			
3		Supplying and laying polythene sheet over				
	26/37-ii	D.P.C. under 'floors and on roofs, etc.	117465.10		Per Sft	
		500 gauge (.005" thick)	Sft			
4	6/2	Dry rammed brick or stone ballast 1.5" to 2"guage	26233.37		% Cft	
_			Cft			
5		Cement concrete plain including placing,				
	0/5 :	compacting, finishing and curing complete	0404.67		0/ 00	
	6/5-i	(including screening and washing of stone aggregate): Ratio 1:4:8	8181.67 Cft		% Cft	
	6/5-f	ii) Ratio 1:2:4	12482.61		% Cft	
	0/3-1	II) realis 1.2.1	Cft		70 CIT	
6		Fabrication of mild steel reinforcement for	G c			
		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)				
	6/11-c	i) 60-Grade	230529.87		% Kg	
			Kg			
	6/11-b	ii) 40-Grade	16500.00		% Kg	
			Kg			
7		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				
	6/6-aiii-2b	i) Type B (nominal mix 1: 1½: 3)	24888.00		Per Cft	
		ii) Type C (naminal mix 4: 2: 4)	Cft			
	6/6-aiii-3c	ii) Type C (nominal mix 1: 2: 4)	379.88 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				
	9/12	blinded with sand at one Cft. per %Sft. (0.003	35879.00		% Sft	
		cu.m per sq.m)	Sft			
9		Providing and laying reinforced cement concrete				

Nos CHUTE (Including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.): (a) (i) Reinforced cement concrete in roof slab, beams, extra, columns limites, 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-si-22) (7) Ground Floor (1:11/2:3) (8) Ground Floor (1:11/2:3) (9) Ground Floor (1:12/4) (1) First Floor+2nd floor (1:12/4) (1) First Floor+2nd floor (1:12/4) (1) Filling, watering and ramming earth under floors-with surplus earth from foundation, etc. (1) Situation of the excevated from outside, lead up to one chain (30 m) including transportation of earth lead up to 5 mile (1) Trians Floor+2nd floor (1:2/4) (1) Filling, watering and ramming earth under floors-with new earth excevated from outside, lead up to one chain (30 m) including transportation of earth lead up to 5 mile (1) Pacca brick work in foundation and plinth in: (1) Cement, sand mortar-Ratio 1:5 (1) Providing and flight gand under floors-with new earth excevated from outside, lead up to 5 mile (1) Ground Floor (1) First Floor (2) Ground Floor (3) Ground Floor (4) Ground Floor (5) Ground Floor (6) Ground Floor (7/5-1) Ground Floor (7/5-1) Ground Floor (8) Ground Floor (7) Ground Floor (8) Ground Floor (7) Ground Floor (8) Ground Floor (7) Ground Floor (8) Ground Floor (9) Ground Floor (10) First Floor (11) First Floor (12) Ground Floor (12) Grou	Item	REF.			Rate		
Including prestressed concrete), using coarse sand and screened graded and washed and gargeate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing spoced surface, complete (full excluding the cost of state reinforcement, its fabrication and piloting in position, etc.): (a) (i) Reinforced cement concrete in roof slab, beams, extra, columns lintels, griders and other structural members laid in stur or precast laid in position, or prestressed members cast in situ, complete in all respects: B68-a1c2 Incomplete		Nos	Description of Items	Qty		Unit	Amount (Rs.)
shuttering, Lifting, compacting, curing, rendering and finishing exposed surface, complete fout excluding the cost of steel reinforcement, its fabrication and placing in position, etc.): (a) (i) Reinforced ement concrete in roof slab, beams, settra. columns linets, girders and other structural members ladi in situ or precast ladi in position, or prestressed members cast in situ. complete in all respects: 6/6-ai-2e (i) Ground Floor (1:1½:3) (ii) Ground Floor (1:1½:3) (iii) First Floor+2nd floor (1:1½:3) (iv) Ground Floor (1:2:4) (iv) First Floor+2nd floor (1:2:4) (iv) First Floor-2nd floor (1:2:4) (iv) First Floor-2nd floor (1:2:4) (iv) First Floor-2nd fl							
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 prostressed members cast in situ. complete in all respects: 6/6-si-2c Type B (nominal mix 1: 1½: 3) (b) Ground Floor (1: 1½: 3) (c) Ground Floor (1: 1½: 3) (d) Ground Floor (1: 1½: 3) (e) Ground Floor (1: 1½: 3) (f) Ground Floor (1: 1½: 4) (f) Ground Floor (1: 1½: 4) (f) Ground Floor (1: 1½: 4) (f) Filling, watering and ramming earth under floors: with surplus earth from foundation, etc. (f) Ground Floor (1: 1½: 4) (f) Ground Floor (1: 1½: 4) (f) Filling, watering and ramming earth under floors: with surplus earth from foundation, etc. (f) Ground Floor (1: 1½: 4) (g) Gro			required shape and design,including forms, moulds,				
the cost of steel reinforcement, its fabrication and placing in position, act.): (a) (i) Reinforced cement concrete in roof slab, beams, sortra. columns linels, 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 6/6-ai-2c 1) Ground Floor (1:11/2:3) 1) Ground Floor (1:11/2:3) 22717.80 22717.80 2717.80 2717.80 2717.80 2717.80 2717.80 2718.81 2719.80 2717.8			shuttering, lifting, compacting, curing, rendering and				
placing in position, etc.)- (a) (i) Reinforced cement concrete in roof slab, beams, extra. columns limitels, girders and other structural members laid in situ or precast taid in position, or prestressed members cast in situ, complete in all respects: 6/6-ai-2c (i) Ground Floor (1: 1½: 3) (i) Ground Floor (1: 1½: 3) (ii) First Floor+2nd floor (1: 1½: 3) (iii) First Floor+2nd floor (1: 1½: 3) (iv) Ground Floor (1: 1½: 4) (ii) First Floor+2nd floor (1: 1½: 4) (iii) First Floor+2nd floor (1: 1½: 4) (iv) First Floor+2nd floors: (iv) First Floor (1: 1½: 4) (iv) First Floor (1: 1½: 4) (iv) First Floor (
(a) (i) Relitroced cement concrete in root 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. 6/6-ai-2c Type 8 (frominal mix 1: 1%: 3) Ground Floor (1: 2: 4) Ground Floor (1: 2: 4) Type 8 (frominal mix 1: 1%: 3) Ground Floor (1: 2: 4) Ground Floor (1: 2: 4) Ground Floor (1: 2: 4) Sys. 34 Crt Crt Ground Floor (1: 2: 4) Sys. 34 Crt Crt Sys. 34 Crt Crt Ground Floor (1: 2: 4) Sys. 34 Crt Crt Crt Crt Sys			·				
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: 6/6-ai-2c Type B (nominal mix 1: 1½: 3) 1) Ground Floor (1: 1½: 3) 22717.80 Cft Cft 1) Ground Floor (1: 1½: 3) 22717.80 Cft Cft 3/15i. Filling, watering and ramming earth under floors: with surplus earth from foundation, etc. 11							
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%: 3) i) Ground Floor (1: 1%: 3) ii) First Floor+2nd floor (1: 2: 4) ii) First Floor+2nd floor (1: 2: 4) for the floor (1: 1%: 4) ii) First Floor+2nd floor (1: 1%: 4) for the floor (1: 1%: 5) filling, watering and ramming earth under floors: with surplus earth from foundation, etc. for the flilling, 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 for the flilling watering and inder floor; one chain (30 m) including transportation of earth lead up to 5 mile for plugging in wells. for the floor curse of cement concortes 1:2:4 (using cement, sand and shingle), including bitumencoating (a) with one coat bitumen and coat polytheme sheat coat polytheme sheat sold sold gauge in 1½" thick (40 mm) for plugging in wells. for the providing and laying damp proof course of cement concretes 1:2: 4 (using cement, sand and shingle), including bitumencoating (a) with one coat bitumen and coat polytheme sheat sold sold gauge in 1½" thick (40 mm) for the providing and laying damp floor for the pacca brick work in Cement, sand mortar-Ratio 1:4 Ground Floor graph for the pacca brick work in staining of wells or curse of the coat of the pacca brick work in staining of wells or curse of the coat of the pacca brick work in staining of wells or any other circular masony. for the providing and fixing mild steel chowkat of doors, windows, C. windows, c. windows, etc. including holdfast, making and threading holes for hinges, etc.							
position, or prestressed members cast in situ, complete in all respects:- 6/6-ai-2c Type B (nominal mix 1: 1/5: 3) 1) Ground Floor (1: 1/4: 3) 22717.80			_				
complete in all respects:- 6/6-ai-Zc 7/96 B (nominal mix 1: 11/4: 3) 7/15 i) Ground Floor (1: 11/4: 3) 7/15 ii) First Floor+2nd floor (1: 11/4: 3) 7/16 iii) First Floor+2nd floor (1: 11/4: 3) 7/17 Filling, watering and ramming earth under floors:- with surplus earth from foundation, etc. 7/10 Supplying and filling sand under floors:- with new earth excavated from outside, load up to one chain (30 m) including transportation of earth lead up to 5 mile 7/14 Pacca brick work in foundation and plinth in:- Cement, sand mortar:- Ratio 1:5 7/14 Providing and laying damp proof course of cement concrete 1:2 *(Jusing cement, sand and shingle), including bitumencoating (3a) with one coat bitumen and one coat polythene sheet sologauge i) 11/2 * thick (40 mm) 7/16 Pacca brick work in Cement, sand mortar:- Ratio 1:4 Ground Floor 7/16 ii) First Floor 7/16 iii) First Floor 10 Foviding and floor 11 First Floor 12 Facca brick work in staining of wells or any other circular masonry. 11 Cft 12 Froviding and floor 13 First Floor 14 Pacca brick work in Cement, sand mortar:- Ratio 1:4 Ground Floor 7/15 ii) First Floor 15 Facca brick work in staining of wells or any other circular masonry. 16 First Floor 17 Foviding and fixing mild steel chowkat of doors, windows, C. window, etc. including holdfast, making and threading holes for hinges, etc.			·				
6/6-ai-2c Type B (nominal mix 1:1%:3) (Ground Floor (1:1%:3) (Cft 24997.46 (Per Cft ii) First Floor+2nd floor (1:1%:3) (24997.46 (Per Cft ii) First Floor+2nd floor (1:2:4) (Cft iii) First Floor (Cft iii) 2nd Floor (Cft iii) Shade (Cft iii) Shade (Cft iii) Extra for pacca brick work in staining of wells or any other circular masony. (Cft iii) Shade (Cft iiii) Shade (Cft iii) Shade (Cft iii) Shade (Cft iiii) Shade (Cft iii) S							
ii) First Floor+2nd floor (1:1½:3) i) Ground Floor (1:2:4) ii) First Floor+2nd floor (1:2:4) ii) First Floor+2nd floor (1:2:4) iii) First Floor+2nd floor (1:2:4) 575,34 Cft Cft 771-15 Filling, watering and ramming earth under floors:- with surplus earth from foundation, etc. 20400.72 Cft 3/15. 3/15. 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 12 7/30 Supplying and filling sand under floor; or plugging in wells. 13 7/4-i Pacca brick work in foundation and plinth in:- Cement, sand mortar:- Ratio 1:5 Cement, sand mortar:- Ratio 1:5 Cft Providing and laying damp proof course of cement concrete 1:2: 4(using cement, sand and shingle), including bitumencoating (a) with one coat bitumen and one coat polythene sheet 500gauge i) 1½* thick (40 mm) Pacca brick work in Cement, sand mortar:- Ratio 1:4 Ground Floor 7/5-i i) Ground Floor 22603.52 Cft iii) Pirst Floor ii) First Floor iii) First Floor Extra for pacca brick work in staining of wells or any other circular masonry. Cft Providing and fixing mild steel chowkat of doors, windows, C. window, etc. including holdfast, making and threading holes for hinges, etc.		6/6-ai-2c					
ii) First Floor+2nd floor (1:14:3) 24997.46 Per Cft i) Ground Floor (1:2:4) 575.34 Cft 553.41 Cft 553.41 Cft 553.41 Cft 553.41 Cft 40 3/15i. Filling, watering and ramming earth under floors:- with surplus earth from foundation, etc. 20400.72 with surplus earth from foundation, etc. Cft 3/15 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 12 7/30 Supplying and filling sand under floor; or plugging in wells. Cft 43 7/4-i Pacca brick work in foundation and plinth in:- Cement, sand mortar:-Ratio 1:5 Cement, sand mortar:-Ratio 1:5 Cement, sand mortar:-Ratio 1:5 Pacca brick work in Cement, sand and shingle), including bitumenocating (30 with one coat bitumen and one coat polythene sheet 6/35.a, i Pacca brick work in Cement, sand mortar:- Ratio 1:4 Ground Floor 7/5-i i) Ground Floor 7/5-i ii) First Floor Extra for pacca brick work in staining of wells or any other circular masonry. Providing and fixing mild steel chowkat of doors, windows, C. window, etc. including holdfast, making and threading holds for.			i) Ground Floor (1: 1½: 3)	22717.80		Per Cft	
i) Ground Floor (1:2:4) ii) First Floor+2nd floor (1:2:4) 575.34 cft cft 553.41 Per Cft Cft 10 3/15i. Filling, watering and ramming earth under floors:- with surplus earth from foundation, etc. 11 3/15. 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 12 7/30 Supplying and filling sand under floor; or plugging in wells. 13 7/4-i Pacca brick work in foundation and plinth in:- Cement, sand mortar:- Ratio 1:5 Cement, sand mortar:- Ratio 1:5 Cft Providing and laying damp proof course of cement concrete 1:2: 4(using cement, sand and shingle), including bitumenocating (a) with one coat bitumen and one coat polythene sheet 6/35.a, 1 Souguej) 1½' thick (40 mm) Pacca brick work in Cement, sand mortar:- Ratio 1:4 Ground Floor 7/5-i i) Ground Floor 7/5-i i) Ground Floor 22603.52 cft iii) 2nd Floor Extra for pacca brick work in staining of wells or any other circular masonny. Cft Providing and fixing mild steel chowkat of doors, windows, C. window, etc. including holdfast, making and threading holdes for hinges, etc.				Cft			
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ii) First Floor+2nd floor (1:2:4) 10 3/15i. Filling, watering and ramming earth under floors:-with surplus earth from foundation, etc. 11 iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii			i) Ground Floor (1:2:4)	575.34		Per Cft	
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iii) 2nd Floor 7/10 Extra for pacca brick work in staining of wells or any other circular masonry. Providing and fixing mild steel chowkat of doors, windows, C.window, etc. including holdfast, making and threading holes for hinges, etc. ### WCft ### Cft ### C						% Cft	
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Providing and fixing mild steel chowkat of doors, windows, C.window, etc. including holdfast, making and threading holes for hinges, etc.	16	7/10	Extra for pacca brick work in staining of wells or			% Cft	
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windows, C.window, etc. including holdfast, making and threading holes for hinges, etc.							
making and threading holes for hinges, etc.	17						
			-				
12/10 100/00				5188 00		Par Sft	
(40x40x6 mm) welded with M.S. flat 2"x 1/4" Sft		12/10-4				ابجبعال	ı l
			,			Ī	
a) 1/2" Thick Cement plaster Ratio (1:4)	18						
11/9-b i) Upto 20' heights 116213.65 % Sft		11/9-b	i) Upto 20' heights			% Sft	
Sft Sft			 	Sft			
b) 3/4" Thick Cement plaster Ratio (1:4)			p) 3/4" Thick Cement plaster Ratio (1:4)			l	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
		i) Upto 20' height	46382.32		% Sft	
			Sft			
	11/9c+11/2 8	ii) Upto 20' to 30' heights	11417.58		% Sft	
			Sft		70 310	
19		3/8" thick cement plaster under soffit of RCC roof slabs				
		Ratio 1:3 upto 20' height				
	11/10-b	i) Ground Floor	31455.29		% Sft	
	44/40 h		Sft			
	11/10-b +11/28	ii) First Floor	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.				
	7/21-ii	i) Ground Floor +lst Floor	10719.21		% Sft	
04		Descriptions and Leviner Inscription restarial of Estimated	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				
	9/45c	volume, cell structure colored cell) i/c cutting and placing in	27779.84		% Sft	
	9/430	position. complete in all respect. 2" thick	27779.04		76 SIL	
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,				
	9/5.	provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.mbitumen coating	27779.84		% Sft	
	3/3.	sand blinded.	27775.04		/0 510	
23		Cement concrete brick or stone ballast 1½ " to 2"				
	6/3b	(40 mm to 50 mm) gauge, in foundation and plinth:-	2670.13		% Cft	
		Ratio 1: 4: 8	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				
	25/35	cement concrete slab with suitable arrangement,	701.00		P/Rft	
		complete in all respects, as per design and drawing.	Rft			
25		Providing and fixing stair railing of 2½" (63 mm) i/d				
23		G.I. pipe, welded with 5/8"x5/8" (16x16 mm) square				
		M.S. bars 2'-9" (838 mm) high, fixed in each step,				
	25/39	complete in all respects, including painting,	350.22		P/Rft	
	_5,55	polishing three coats.	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				
	3/42-i	shingle, gravel and rock:-	16518.84		%o Cft	
		0 ft. to 7.0 ft. (0 to 2.10 m) depth	Cft			
27		Providing and fixing marble strip of any shade for				
27	10/40 0	dividing the mosaic flooring into panels.	2622.00		P/Rft	
	10/40-a	Size 1½" x 3/8" (40 x 10 mm)	2622.00 Rft		F/KIL	
			IXIL			
28		Providing and laying topping of cement concrete				
	10/15-c	1:2:4,including surface finishing and dividing in	9573.00		% Sft	
		panels:- 11/2"(40 mm) thick	Sft			
I						'
29	13/31	Preparing surface and painting with emulsion paint:-	179344.09		% Sft	
23				i	-	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
30		Pacca brick work in foundation and plinth in:-				
30	7/4-i	cement, sand mortar:-Ratio 1:3	8011.55		I % Sft	
	04/0	Extra for making and finishing benching floor manhole	Sft		0/ 6#	
31	21/9	chamber, with 1/8" thick work in cement finish	108.42 Sft		% Sft	
32		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,				
	25/10+2 5/11	handling,assembling and fixing, including erection in position.	16381.50		% Kg	
	3/11		Kg		76 Kg	
	13/5-c i+ii+ii	Preparing surface and painting of doors and windows	-		0/ 0#	
33	1+11+11	any type (including edges):- new surface 3 coats	310.94 Sft		% Sft	
			U			
		P/F3/4"dia heavy duty sliding bolt of specified material i/c thecost of hardware complete in all respect as approved and				
34		directed by the Engineer Incharge.				
	12/61-B- ii	i) Brass ,12" (300 mm) long	111.00		Each	
			No			
	12/61-B- i	ii) 10" (250 mm) long	103.00		Each	
			No		Lacii	
35		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	
36	9/15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	Sft 35.00		Each	
30	9/13	Tallando 5/1765/ 2/2/20 (666/ X 666/ X 166/ Hill)	No		Lacii	
37		Providing and fixing theremopore (foamed polythene)				
	6/34.a	sheet in horizontal and vertical expansion joints:	1536.00		Per Sft	
		1" (25 mm) thick thermopore sheet	Sft			
38		Providing and fixing 6 in(150 mm). wide curved sheet				
		of required shape fixed on face of the construction				
	6/26-ii	joint with G.I.screw,1.5 in (40 mm) long to cover	1212.68		Per Rft	
		construction joints vertically:- G.I. sheet, 18 SWG	Rft			
39		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.				
	10/44	complete in all respect. (50% Grey / 50% Coloured 60 mm thick	11433.00		Day 04	
	10/41.b		11423.00 Sft		Per Sft	
40		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				
	13/32.A,i+ii	surface,3 coats	46004.02		0/ 04	
	10/02.A,I+II		46004.83 Sft		% Sft	
41		Providing and laying superb quality Porcelain glazed tiles	2.0			
		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				
	10/42.a.ii	Glazed tiles.600mmx 600 mm	57512.97		Per Sft	

No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
42	25/59.i	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	Sft 4473.92		Per Sft	
43		Providing and fixing 2 mm thick Double glazed aluminium windows of anodized 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.	Sft			
	25/56.		4473.92 Sft		Per Sft	
44	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 1.6 mm thick with rubber gasket i /c cost of Hardwares as approved and directed by the engineer incharge complete in all respect.	2236,96		Per Sft	
45		P/F1½" (40mm) thick semi solid panelled or panelled and glazed doors comprising of solid wood styles and rails of specfied width and panels of 2.5mm thick veneer ply mtching with wood used with grooves,pasted on both sides of 1"thick Lasani wood panel with tapered edges i/c the cost of tower bolt,handles complete in all respect (Excluding the cost of chowkat frame ,sliding bolt and lock) as approved and directed by Engineer Incharge.Oak/Ash Wood	2230.00		T of oil	
	12/8.ii		4306.00 Sft		Per Sft	
46	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 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"	2804.00		Per Sft	
47	40/05 :	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	Sft		D 0#	
	10/25.i	Incharge.12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	8620.00 Sft		Per Sft	
48	6/30.	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.	350.00 P/Rft		Per Rft	
49	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	1742.00		Per Sft	
50	10/30.1	Incharge.3/4" thick Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carbor and amdisc as	1742.00 Sft		1 61 311	
51	10/48.	approved and directed by the Engineer Incharge. 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 1½"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.7.5mm thick	450.00 Rft		Per Rft	
	9/48.ii	as approved and ansested by the Engineer menangen formit timen	2500.00		Per Sft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	CHITE				Total	
		Civil Work (Non Shedule Item)				
1		Providing and fixing solid engineered door of teak wood (NTC				
		FGV-307) with engineered stabilized center core with 3/4" solid edge banding including hinges, tower bolt rubber stop cleats				
		handles and chord with hooks etc. complete in all respect or as				
		per approval of the engineer Incharge.				
	NS		350.00		Per Sft	
•		Construction of Fiber Glass 3/4" thick Dom on	Sft			
2	NS	already prepared rigid circular base of 1st Floor as	1350.00		Per Sft	
	INS	per drawing & approved by the Engineer Incharge.	1350.00 Sft		Pel Sit	
		por drawing a approved by the Engineer menarge.	Sit			
		Extra labour & cost for Preparation of cemented pastered				
		surface for emulsion paint with application of wall putty				
3		(Berger,Master, ICI) after rubbing and finishing of surface				
	NS	complete in all respects as approved by the Engineer Incharge.	179344.09		P/Sft	
	INO		179344.09 Sft		F/Sit	
4		Providing & Fixing Cabinet consisting of lamination board 3/4"	Sit			
-		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				
	NS	per design, drawing & pattern as approved by the 'engineer	150.00		Per Sft	
	INS	Incharge (Down portion)	150.00 Sft		Fel Oil	
5		Providing & Fixing Cabinet upper portion consisting of	JIL			
J		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				
	NC	complete in all respects as per design, drawing & pattern as	150.00		Day 04	
	NS	approved by the Engineer Incharge	150.00 Sft		Per Sft	
6		Providing and using Sulphate Resistant Cement	SIL			
U	NS	(S.R.C) instead of Ordinary Portland cement	7890.86		P/Bag	
	110	(O.P.C). Difference of S.R.C and O.P.C in bags	Bags		1 / Dag	
		(en 19). Emoionos of en de and en 18 in Eage	Dugo			
7		Providing & Fixing uPVC door 1.25" thick wooden colour i/c				
		hinges kik plate, door handle with locking arrangement				
	NS	complete in all respects.	1067.50		Per Sft	
•		Cube a superior of an about a series and distance	Sft			
8		Subsequent carriage of crushed stone aggregate total distance from Sargodha to Bahawalnagar IUB Campus at site of work				
		average 278 KM	110912.56		%Cft	
			Cft			
					Total	
		Electrical Work (Schedule Items)				
1		Supply and erection of PVC pipe for wiring				
		recessed in walls, including inspection boxes, pull				
		boxes, hooks, cutting jharries, and repairing				
	24/2:	surface, etc., complete with all specials. i) 3/4" i/d (20 mm)	24500 57		Dor D#	
	24/3-i	i) 3/4 //d (20 iiiii)	24509.57 Rft		Per Rft	
	24/3-ii	ii) 1" i/d (25 mm)	37547.33		Per Rft	
	24/3-11	11 10 (20 11111)	37347.33 Rft		FEIRI	
	24/3-1	iii) 1.5" i/d (40 mm)	10500.00		Per Rft	
	2 7 /3-V		Rft			
			TXIC		1	
	24/3-vi	iv) 2" i/d (50 mm)	1550 00		Per Rtt	
	24/3-vi	iv) 2" i/d (50 mm)	1550.00 Rft		Per Rft	
2	24/3-vi	iv) 2" i/d (50 mm) Supply and erection of single core PVC insulated	1550.00 Rft		Per Rtt	
2	24/3-vi				Per Rft	
2	24/3-vi	Supply and erection of single core PVC insulated			Per Rft	
2	24/3-vi	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S.			Per Rft	
2	24/3-vi	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			Per Rtt	
2	24/3-vi 24/10-ii	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:			Per Rft	
2		Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only). 250/440 volts, PVC insulated:	Rft			
2	24/10-ii	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:	Rft 79851.00			
2	24/10-ii	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) 3/0.91 mm (3/0.036")	79851.00 Rft		Per Rft	

Item	REF. Nos	Description of Items	Qty	Rate	Unit	Amount (Rs.)
No.	CH/ITE	•		(Rs.)		·/
	24/10-v	iv) 7/1.12 mm (7/0.044")	Rft 11800.00 Rft		Per Rft	
3		Supply and erection of single core PVC insulated,	Kit			
		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-iii	i) 35 mm sq (19/0.064")	5280.00		Per Rft	
			Rft			
	24/12-i	ii) 16 mm (7/0.064")	14750.00		Per Rft	
			Rft			
	24/12-iv	iii) 70 mm (19/0.083")	3008.00 Rft		Per Rft	
4		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.120 mm (37/0.083")				
	24/13-d		200.00		Per M	
			Meter			
5		Supply and erection of copper conductor cables				
		for service connection, in prelaid pipe/G.I.				
	24/13-	wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core, 660/1100 volt non armored cable:- 7/1.63 mm				
	C.VII	(7/0.064")	1250.00		Per Rft	
			Rft		1 Of Tale	
6	24/39-i	Supply and erection of button holder.bakelite large size	1092.00		Each	
	,		No			
7	24/30	Supply and erection of ceiling rose, bakelite.	36.00		Each	
			No			
8	04/04 : 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, 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 (2.5'x7'x3')				
	24/91.i,b,iv	2300~3200A (2.3 X7 X3)	1.00		Each	
			No			
9		P/F ACB (Air Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/ABB SWITZERLAND in prelaid Panels i/c the cost of screws,necessary wire complete in all respect as approved and directed by the Engineer InchargeTripple Pole.				
	24/89.a,iii	i-1600 Amp(65 KA)	1.00		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				
	24/87 a x	i-300-630 Amp(36 KA)	1.00		Each	
		ii-125-250Amp(25KA)	18.00		Each	
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.	. 2.00			
	i	Selector Switch	1.00		Each	
	ii	Current Transformer Coil (Make: Metelx/Fico)	1.00		Each	
	iii	Digital Voltmeter (0-600 Volt)	1.00		Each	
	iv	Digital Ammeter (0-9999 Amp)	1.00		Each	
	V	LED Phase Indicator Push Button ON/OFF (Make: Schneider/Himal/Fax)	1.00		Each	
	vi 	Push Button ON/OFF (Make: Schneider/Himal/Eqv.)	1.00		Each	
	vii 	Auxiliary Contactor. (Make: Schneider/Terasaki/ABB)	1.00		Each	
	Viii	Control MCB S/P 6A (Make: Schneider/ Terasaki/ABB) Exhaust Fan with Louvers (Make: Imported/Plastim)	1.00		Each	
	xi vii	Temperature Regulator 0~60C	1.00		Each	
	xii No	Tomporataro Negarator 0-000	1.00		Each	
i	No	l l			I	

Service Control (Processor Services) Processor Services (Processor Services) Processor Services) Processor Services (Processor Services) Processor Services) Processor Services (Processor Services) Processor	em Io.	REF. Nos	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs
Sheet (Recessded/Surface mounted Type), Provider coated Paint, for the cost of Lock, Indication light, Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter, Digital Armeter, Volt Selector, Switch, Cammeter solector avvict, Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Decadors will be Paid Separately), 75–100A (249cm) 12.00 No Supplying Installation and commissioning of MCCB (Moulded Control Movement) of specified relating make of LEGRAND FRANCE/GE U.S.A. SCHNEIDER GERMANY / TERASAN LAPANZISMENNABB SWITZERLAND, With fisard Thermal-Magnetic Trip. 1 in prolated DBs and Panels Victim cost of servers, necessary with complete in all respect as approved and directed by the Engineer Incharge. There Pole 15-100 Amp (10 AA, 15AA). 24875-91 Switzerland Switzerla		CH/ITE	P/F wall mounted DB (Distribution Board) made with 16SWG				
Paint, It che to cost of Lock, Indication lights, Thimble, Copper Comb, Writing, Nettral & 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 Indicating (Gradiens with the Paid Separately), 75–100A (30° 322° 30°) 13 30 31 31 32 32 33 33 34 35 36 37 37 38 38 38 38 38 39 39 30 30 30 30 30 30 30 30							
Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter Digital Armeter yold Selector Switch, Current Transformers and Controllers Somplete in all respect as approved and directed by the Engineer Incharge (Broakers will be Paid Separately).75–100A 3 Supplying, Installation and commissioning of MCDS (Moulded Case Clover (Broaker) of Separately).75–100A 3 Supplying, Installation and commissioning of MCDS (Moulded Case Clover (Broaker) of Separately).75–100A 3 Japan (Separately) of Separately).75–100A 4 Suppling, Installation and commissioning of MCB (Miniature Circuit Broaker) of specified rating made of LEGRAND FRANCE/ SEL U.S.A./ SCHNEIDER GERMANY/SEMEN GERMANY/TERASAN/ JAPAN ABS SWITZERLAND in prelaid DBs and Panels by the Engineer Incharge. The Pole 15-100 Amp (10 KA, 15KA) 2486-81 Engineer Incharge.8–10 Amp (6 KA) 2486-81 Engineer Incharge.8–10 Amp (6 KA) 2496-81 Engineer Incharge.8–10 Amp (6 KA) 3 Suppling Installation and comissioning of MCB (Miniature Circuit Broaker) of specified rating made of LEGRAND FRANCE/ SEL U.S.A./ SCHNEIDER GERMANY/SEMEN GERMANY/TERASAN/ JAPAN ABS SWITZERLAND in prelaid DBs and Panels by the cost of scrawes, nucessary wire complete in all respects approved and dericated by the Engineer Incharge.8–10 Amp (6 KA) 2400-8–10 Engineer Incharge.8–10 Amp (6 KA) 5 2410-30 One way Gange Switch small as Garge Separately and Amp (6 KA) Throe pin Light Plug 1013 Amp 56.00 Each Each 128,00 Each 128,00 Each 128,00 Each 128,00 Each 128,00 Each 128,00 Each 129,00 Frow Gange Switch small as Garge Separatel and Francisco Separatel Amp (Francisco Separatel Amp (Francisco Separatel Amp (Francisco Separatel Amp (Francisco							
Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Induring (Broakers will be Pald Soparately):75–100A 2490-all respect as approved and directed by the Engineer Induring (Broakers will be Pald Soparately):75–100A 3 Supplying, Installation and commissioning of MCCS (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEDDER CERMANY / TERASAMI JAPAN/SIEMEN/ABS SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid Dbs and Panels ic the cost of sortines, receasing with complete in all respect as approved and or and share of the present of the previous of the previous and the previous of the previ							
selector switch, Current Transformers and Corrolles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately), 75–100A 2490-all (3) 2227/857) Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S. A/ SCHNEIDER GERNANY / TRASAKI JAPAANISIEMENIABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in preliation DBs and Panels for 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) 44 Charles of the Case of Section of Suppling Installation and comissioning of MCB (Misiature Circuit Breaker) of specified rating made of LEGRAND FRANCE GEVS (S. SCHNEIDER GERNANY) / SIEMEN GERNANDTERSAKI JAPAN ABB SWITZERLAND 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, 6-40 Amp (6 KA) PP PVC double layer Switch if Feoplate with specified exists holes in the cost of screws necessary wire constituted to the cost of screws necessary wire constituted to the cost of screws necessary wire constituted to the properties and provided and directed by the Engineer incharge, 6-40 Amp (6 KA) PP PVC double layer Switch if Feoplate with specified exists holes in the cost of screws complete as approved and directed by the Engineer incharge of the cost of screws and directed by the Engineer incharge of the cost of screws and complete as approved and directed by the Engineer incharge of the cost of screws and complete as approved and directed by the Engineer incharge of the cost of screws and cost at the							
in all respect as approved and directed by the Engineer Incharge (Breakers will be Pald Separately),75-100A (30°522°%5°) Supplying Installation and commissioning of MCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE (GE U.S.A / SCHNEIDER GERNANY / TERASAKI JAPAN/SIEMEN/NABS SWITZERLAND (with fixed ThemsI-Magnetic Tip) in prelaid DBs and Panels ic the cost of screws, necessary wite complete in all respect as approved and directed by the Engineer Incharge. There Pole 15-100 Amp (10 KA,15KA) Suppling, Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE (GE U.S.A / SCHNEIDER GERNANY SIEMEN GERMAN/TERASAKI JAPAN ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screws, necessary wite complete in all respect as approved and directed by the Engineer Incharge. 640 Amp (6 KA) No case of vanicher process in demonstrated switch holes is the cost of switcher process in the following street of watcher process in feminer and street by the Engineer Incharge. 640 Amp (6 KA) No case of vanicher process in demonstrate of Hi-Like (blash) Schemider, screws complete as approved and directed by the Engineer Incharge. 24103.8 One way Gange Switch Small 30 Gerge 56.00 Each Small 30 Gerge 56.00 Each Each Each Each Each Each Each Each							
Incharge (Broakers will be Paid Separately), 75-100A 30							
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ltem No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
5	OI WITE	Supply & installation of Strip (Patti) with 20W Led tube rod (220V~, 6500K) i/c				
	NS	any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips or Equivalent)	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 ¼" etc) as required at site. Complete in all respect as				
	NS	directed and approved by the Engineer Incharge (SK mega or Equivalent)	48.00 No		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 (Royal, Super-Asia or Equivalent)	NO			
	NS		64.00 No		Each	
8		Supply & installation of Ceiling Fan 56" (99.99% Copper) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Younis-Deluxe, Tamoor-Deluxe,				
	NS	Pakfan-Deluxe , SK or Equivalent)	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, 1½" 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.	No			
	NS		20.00 No		Each	
			INU		Total	
		Plumbing Work (Schedule Items)				
1		Providing and fitting glazed earthen ware water closet, squatter				
	19/4.ii	type (Orissa pattern), combined with foot rest. Colored	40.00 No.		Each	
2		Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste				
	19/7.i	coupling, etc. ii) colored, with pedestal	56.00		Each	
3		Providing and fixing chromium plated bib cock:-	No.			
•	19/27ii	ii) '1.5 cm (½")	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.				
	19/13.i	ii) colored	40.00 No.		Each	
5	40/9	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe and	4.00		Foob	
_	19/8.	waste coupling.	4.00 No.		Each	
6	19/28.	Providing and fixing chromium plated tee stop cock '15mm (½").	144.00 No.		Each	
7	19/11.	Providing and fixing glazed earthen ware flat back urinal.	24.00		Each	
8	19/24.ii	Providing and fixing chromium plated pillar-cock, heavy:- ii) '1.5 cm (1/2")	No. 56.00		Each	
9	19/30.	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	No. 4.00		Each	
10	23/47.bii	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). PN-20 pipe	No.			
		II 14-20 DIDE				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	CHAIL	iii)(1") 32 mm	2650.00		P/Rft	
		vi)(2") 63 mm	1050.00		P/Rft	
11	19/18.	Providing and fixing, chromium plated toilet paper holder.	Rft 4.00		Each	
12	40/00	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.	Digatic agen dish	16.00			
		Plastic soap dish	16.00		Each	
		Plastic toilet paper holder	16.00		Each	
		Plastic tower rail	16.00		Each	
		Looking glass with plastic frame	16.00		Each	
13	21/1.iii	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete. 9" i/d	2300.00 Rft		P/Rft	
14	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 thecost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.Type (SDR 32.5/SN-8) 4"(110 mm)	2758.00		P/Rft	
	19/47.		2758.00 Rft		P/KII	
15	19/3.	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.	22.00		Each	
16		Providing and fixing 1/2" dia Muslim Shower of Fasial /Master comprising of 1/2 "diaone-meter long rubber /CP fexible pipe and hand showers etc omplete in all respects as approved and				
17	19/50.	directed by the Engineer Incharge. 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.	22.00		Each	
	19/48.	D Trop 41 die	. 		1_	
		P-Trap 4" dia	176.00		Each	
		Multi-Trap 4" dia Vent Cowel 4" dia	22.00 28.00		Each Each	
					Total	
		Plumbing Work (Non Schedule)			· Otal	
1	N.S	Providing & Fixing looking glass 5 mm thick best quality including aluminum frame 2'x1' complete in all respects	150.00 Sft		Per Sft	
2	N.S	Providing & fixing floor trap Jali Stainlessteel complete in all respect and as approved by the Engineer Incharge.	52.00		Each	
			No		1	
3	N.S	Providing & Fixing Floor trap jali plastic colored complete in all respects	40.00 No		Each	
					1	
					Total	

Work No.04

The Islamia University of Bahawalpur

Construction of Academic Block for South Punjab Institute of Agro-Industry & Enviornment at

Item	REF.			Rate		
No.	Nos CH/ITE	Description of Items	Qty	(Rs.)	Unit	Amount (Rs.)
		Civil Work				n to Jun, 2022
No 1	Reff 3/21	Description Excavation in foundation of building, bridges and other	Quantity	Rate	Unit	Amount
'	3/21	structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in ordinary soil	44500.00		%o Cft	
2	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	27950.00		Per Sft	
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	3750.00		% Cft	
4	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) ii) Deformed bars (Grade-40)	104200.27 15557.00		% Kg % Kg	
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:- using harrow sand i) Type B (nominal mix 1: 1½: 3) ii) Type C (nominal mix 1: 2: 4)	10585.00 975.00		Per Cft Per Cft	
6	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: 1½: 3) ii) Type B (nominal mix 1: 1½: 3) (First Floor)	21115.00 2000.00		Per Cft Per Cft	
7 i)	3/15	Filling, watering & ramming earth under floors:-with surplus earth from foundation, etc.	16496.00		%o Cft	
ii)		with new earth excavated from outside,lead upto 1/4 mile	168000.00		%o Cft	
8	7/5	Pacca brick work in ground floor:- cement, sand mortar:- i) Ratio 1:5 ii) Ratio 1:3 iii) First Floor Ratio 1:5 cement sand mortor	16640.00 2078.00 2500.00		% Cft % Cft % Cft	
9	7/4	Pacca brick work in foundation and plinth in:- cement sand mortor Ratio 1:6	4000.00		% Cft	
10	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	
11	11/10	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, i) upto 20' height. 1:3	35663.00		% Sft	
12	11/11	Cement plaster 1:5 upto 20' (6.00 mm) height:- i) ½" (13 mm) thick ii) Above 20' height 1/2" thick 1:5 iii) 3/4" (20 mm) thick upto 20' height	48500.00 7500.00 33260.00		% Sft % Sft % Sft	
		iv) Above 20' height 3/4" thick 1:5	8500.00		% Sft	
13	7/30	Supplying and filling sand under floor; or plugging in wells.	8950.00		% Cft	
14	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.	9500.00		% Cft	
15	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				

tem No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	ψ11/11 <u>L</u>	'slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.mbitumen coating sand blinded. 2nd floor	32550.00		% Sft	
16	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 2" Thick	32550.00		% Sft	
17	26/37	Supplying and laying polythene sheet over D.P.C. under 'floors and on roofs, etc. 500 gauge (.005" thick)	32550.00		Per Sft	
18	6/16	Providing and fixing ornamental cement jali 2" (50 mm) thick (1: 2: 4), without steel.	1950.00		Per Sft	
19	10/40	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels. 1.5x3/8	5500.00		Per Rft	
20	10/15	Providing and laying topping of cement concrete 1:2:4,including surface finishing and dividing in panels:-1½"(40 mm) thick	10398.00		% Sft	
21	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"x¾") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 2mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	4550.00		Per Sft	
22	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	0050.00		D 0#	
00	0/04	engineer incharge. complete in all respect.	2250.00		Per Sft	
23	6/34	Providing and fixing theremopore (foamed polythene) sheet in horizontal and vertical expansion joints: 1½" thick thermopore sheet	900.00		Per Sft	
24	13/31	Preparing surface and painting with emulsion paint:- 3 coats	138653.00		% Sft	
25	6/5	Cement concrete plain including placing, compacting finishing and curing complete (including screening and washing of				
		stone aggregate): i) Ratio 1:2:4 ii) Ratio 1:4:8	225.00 5500.00		% Cft % Cft	
26	12/7(b)	P/F 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 directed by Engineer B) Oak/Ash wood Door 1.50" Th.	100.00		Per Sft	
27	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.				
28	6/26	brass sliding bolt, 10" (250 mm) long Providing and fixing 6 in(150 mm). wide curved sheet of	100.00		Each	
20	0/20	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		Per Rft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
29	12/50	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.	3300.00		Per Sft	
30	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)	25500.00		% Cft	
31	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/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		Per Sft	
32	25/36	Providing and fixing collapsible gate made of 2"x2"x"¼" tee iron at top and bottom, channel iron 'verticals ¾"x¼"x¼"x1/8" (20x6x6x3 mm) at 3" (75 mm) to 5" (125 mm) centre to centre (approximate) and flat iron crosses 3"x3/16" (75x5 mm), and best quality rollers at bottom of 3" (75 mm) diameter including holdfasts, handles 12" (300 mm) long of ¾"x¼"x¼"x1/8" channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled, complete in working order.	75.00		Per Sft	
33	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	34500.00		Per Sft	
34	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.			D 04	
35	10/47	(ii) 600mmx 600 mm 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	6950.00 2950.00		Per Sft Per Sft	
36	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.				
37	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.	1050.00 40.00		Per Rft Each	
38	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	650.00		Per Sft	
			555.50		3. 3.	

tem No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
39	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"	1250.00		Per Sft	
40	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"	5500.00		Per Sft	
41	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		Per Sft	
42	11/39	Preparing surface and applying Graffiato Weather Coating (Co-polymer emulsion) of approved colour & shade with weather resistant pigment, highly water repellant with Metalic Spatula having top class finish by smoothing with a plastic Spatula, on a base coat (Primer) over well cleaned plastered surface complete in all respect as approved and directed by the Engineer Incharge.	45000.00		Per Sft	
43	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		Per Sft	
44	10/60		300.00		1 CI OIL	
44	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 Floor Mounted Cabinet)	1000.00		Per Sft	
45	12/58	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. (for Wall Mounted Cabinet)				
		1-1/2' deep,with back	200.00		Per 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 11/4" x 1"and 1 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. 9 mm thick	14500.00		Per Sft	
			1-1000.00		1 61 311	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
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) 10.50 " wide ii) 5.5 " wide	3550.00 420.00		Per Sft Per Sft	
48	12/67	Providing and fixing auotomatic hydraulic operated door closer				
		imported heavy duty complete in all respect as approved			l	
		and directed by the Engineer Incharge.	60.00		Each	
49	25/62	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	120.00		Per Sft	
50	18/23	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 @ 4" c/c, including painting charges etc complete in all respect.	60.00		Per Sft	
51	25/56	Providing and fixing 2 mm thick Double glazed aluminium windows of anodized 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.	145.00		Per Sft	
52	12/43	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. Matt Finish	150.00		Per Sft	
			150.00		Total	
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.	30.00		Each	
2	N.S	Providing & Fixing 1.50" thick uPVC flush door i/c PVC Chowkat of approved design and make, all hardwares/ accessories chromium plated fitting, iron hinges with aluminum kick plate 22 SWG on both sides including chowkat and finger plate complete in all respect	650.00		P/Sft	
3	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.	120.00		P/Sft	
4	N.S	Providing and fixing Steel Floor Jali complete in all respect as per specification and as approved by the Engineering Incharge.	50.00		Each	
					Total	
1	24/3	Electrical Work Supply and erection of PVC pipe for wiring recessed in walls,				

tem No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	CHITE	including inspection boxes, pull boxes, hooks, cutting jharries,and repairing surface, etc., complete with all specials. i) 3/4" i/d (20 mm)	4500.00		Per M	
		ii) 1" i/d (25 mm) iii) 1.50" i/d (40 mm) iv) 2" i/d (50 mm)	6000.00 650.00 950.00		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)	1000.00		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")	24000.00 9000.00		Per M Per M	
		iii) 7/0.91 mm (7/0.036")	5500.00		Per M	
		iv) 7/1.12 mm (7/0.044")	9000.00		Per M	
		v) 7/1.63 mm (7/0.064")	1200.00 5250.00		Per M Per M	
		vi) 19/1.32 mm (19/0.052") vii) 19/1.63 mm (19/0.064")	5250.00		Per M	
4	24/13	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.l. 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")	450.00		Per M	
		ii) 19/1.32 mm (19/0.052")	380.00		Per M	
5	24/30	Supply and erection of ceiling rose, bakelite.	1500.00		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 ii) 03 Gange iii) Three pin Light Plug 10/13 Amp iv) Fan Dimmer v) Three Pin Power Plug 15-32 Amp	10.00 10.00 400.00 120.00 180.00		Each Each Each Each Each	
		Large	100.00		Lacii	
		i) 04 Gange	85.00		Each	
		ii) 05 Gange iii) 06 Gange	50.00 140.00		Each 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	55.00		Each	
8	24/96	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	3.00		Per Rft	
		(ii) 630 Amp	3.00		Per Rft	
		(iii) 1250 Amp	4.00		Per Rft	

tem No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	JI//IE	(iv) 1600 Amp	5.00		Per Rft	
					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)	950.00		Each	
			000.00		24611	
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)	1325.00		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		Each	
4		Description 9 Civiles of LCD Months 1 45 M 4 4 4				
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)	60.00		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		Each	
,	NIC	Country 9 in stallation of DVO For Deventity in a box i/s and				
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	120.00		Each	
		equivalent)				
7	N.S	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	120.00		Each	
		unected and approved by the Engineer monarge	120.00		Lacii	
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	150.00		Each	
		Equivalent)	130.00		Lacii	
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)	9.00		Each	
10	VI C	Supply installation connection 2				
10	N.S	Supply, installation, connection & commissioning of Main distribution boards, (DBs), Floor Standing design, made of				
		M.S. Sheet 14 SWG with hinged door, handle, catchers and 2				
		coats of Approved paint, (Size 7'x6'x18") including Incoming				
		Main MCCB (Adjustable Thermal-Magnetic/Electronic Trip 60/100%) 3-P, 1250 A (70KA) 1.00 No, For DB-N (Main			1	
		MCCB Adjustable Thermal-Magnetic/Electronic Trip 60/100%)				
		3-P, 630A (70KA) 1.00 No and distribution MCCB 3-P, 100A				
		(36KA) 16.00 Nos) & for DB-E (Main MCCB Adjustable Thermal-Magnetic/Electronic Trip 60/100%) 3-P, 400A (50KA)				
		1.00 No and distribution MCCB 3-P, 63A (7.5KA) 16.00 Nos)				
		respectively, Digital Volt, Selector switches, LED Phase				
		lights, Earthing bar and any accessories required at site. Complete in all respects as approved by the engineer				
		incharge. (for MCCB & MCBs Legrand, GE,Schneider,				

tem No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	V. 11.1 E	Siemens, Terasaki, ABB or equivalent)(Copper Busbar TP-N will be paid separately via MRS item as per measurement at site)	1.00		Each	
11	N.S	Supply, installation, connection & commissioning of distribution boards, (Sub Main DB-E), Recessed type Wall mounted design, made of M.S. Sheet 18 SWG with hinged glass door, handle, and 2 coats of Approved paint, (Size 18"x24") including Incoming Main Molded Case Circuit Breaker of 3-P, 63 A (7.5 KA) 1.00 No, Distribution Miniature Circuit Breaker of 1-P, 6~40 A (6KA) 18.00 Nos, LED phase light volt meter type (RYB), Earthling bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Legrand, GE,Schneider, Siemens, Terasaki, ABB or equivalent).	16.00		Each	
12	N.S	Supply, installation, connection & commissioning of distribution boards, (Sub Main DB-N), Recessed type Wall mounted design, made of M.S. Sheet 18 SWG with hinged glass door, handle, and 2 coats of Approved paint, (Size 18"x24") including Incoming Main Molded Case Circuit Breaker of 3-P, 100A (25 KA) 1.00 No, Distribution Miniature Circuit Breaker of 1-P, 6~40A (6KA) 24.00 Nos, LED phase light volt meter type (RYB), Earthling bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Legrand, GE,Schneider, Siemens, Terasaki, ABB or equivalent).	16.00		Each	
13	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.	6.00		Each	
		Plumbing Work			Total	
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 ii) Plastic toilet paper holder iii) Plastic tower rail iii) Plastic shelf 60x13 cm (24:x5") with bracket and railing iv) Looking glass with plastic frame	68.00 30.00 10.00 15.00 14.00		Each Each Each Each Each	
2	19/1	Providing and fitting glazed earthen ware water closet European type, excluding seat and cover:-coloured	17.00		Each	
3	19/2	Providing and fixing, double seat and cover only. Bakelite	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		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 42.00		Each Each	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
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		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 (ii) Lever Type Basin Mixer (iii) Double Bib Cock (iv) Muslim shower	40.00 42.00 17.00 17.00		Each Each Each Each	
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	4000.00 3500.00 1000.00		Per Rft Per Rft Per 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 ii) 1-1/4" dia	40.00 30.00		Each Each	
10	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 5250.00 2000.00		Per Rft Per Rft 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				
		(i) 1-1/4" (ii) 1" (ii) 2" (ii) 1.50"	1000.00 800.00 500.00 700.00		Per Rft Per Rft Per Rft 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 10.00		Each Each	
13	19/13	(i) 3" dia Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper	10.00		Lauli	

connection, etc. complete. 211 Providing and laying R.C. C. pipe, moulded with cement concrete 1:11/3, with spigot socket or collar joint, etc. including costs of reinforcement, conforming to 8.5, 5.931; Part 1:881, Class V. including carriage of pipe from salignment and grade, jointing, outling pipes where necessary, finishing and telesting, etc., complete. ii) 225 mm (9) jid 15 19/27 Providing and fising chromium plated bib cock-1.5 cm (6/1) 16 19/42 Providing and fising chromium plated bib cock-1.5 cm (6/1) 17 Providing and fising chromium plated bib cock-1.5 cm (6/1) 18 Setmal Plumbing Work External Plumbing Work External Plumbing Work External Plumbing Work External Plumbing with the service of the service and manholes and with the service of the	Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
concrete 111/3, with spiget socket or collar print; etc. including cost of reinforcement, conforcement of the complete in the collar print; etc. including cost of reinforcement, conforcement conforcem		CHAIL	connection, etc. complete.	36.00		Each	
15. cm (%) 19442 Providing and fitting chromium plated or oxidised, gas cock em (14*) Two way 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 2 21/1 Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½-0, with spligd socked or collar joint, etc. including cost of reinforcement, conforming to B.S. 591: Part I: 1881; Class E: including carriage of pipe from factory to site or providing and removes the recessary, finishing and testing, 10: 25 mm (9") vid 10: 6" kid 75.00 Per Rtt 10: 6" kid 10: 6"	14	21/1	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.	500.00		Rft	
Setternal 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 2.1 nm) depth reinflates and levels, and removing surface water, in all types of soil except shingle, gravel and rock: -0 ft. to 7.0 ft. (0 to 2.1 nm) depth reinflates and levels, and removing surface water, in all types of soil except shingle, gravel and rock: -0 ft. to 7.0 ft. (0 to 2.1 nm) depth reinflates and levels, and removing surface water, in all types of soil except shingle, gravel and rock: -0 ft. to 7.0 ft. (0 to 2.1 nm) depth reinflates and reinflates and reinflates and rock: -0 ft. (1 sept.) f	15	19/27		17.00		Each	
External Plumbing Work Earthwork executation 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 Providing and laying R.C.C. pipe, moulded with cement concrete 11:123, with spiggs socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part t. 1991. Class V: "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. 1) 225 mm (9) vid 75.00 Per Rtt 75.00 pmm) gauge, in foundation and plinth:- Ratio 1:4:8 600.00 % Cft 74.4 Pacca brick work in foundation & plinth:- cement, sand mortar:- Ratio 1:4:8 600.00 % Cft 74.4 Pacca brick work in foundation & plinth:- cement, sand mortar:- Ratio 1:4:8 2250.00 % Sft 19.34* thick 5 11/9 Cement plaster 1:3 upto 20 (6:00 mm) height:- 1.0 yi with the cement, sand mortar:- Ratio 1:4:8 2250.00 % Sft 19.34* thick Providing and fixing of thick R.C.C. manhole cover with technes to correct grade and cutting pits for joints, etc. 6 3/44 Excavation of trenches in all kinds of soil, except cutting frock, 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. 7 21/15A Providing and fixing 6* thick R.C.C. manhole cover with technes to correct grade and cutting pits for joints, etc. 8 6/51A Providing and fixing precast Edge Kerb Stone (4*to 6* thick), of 5000 PSI Compressive Strength, embedded in PCC 1:2-4 over lean concrete 1:4:8 etc complete in all respect. 8 6/51A Waking connection for new watersupply lines with the running main: 1) upto 6* i/d (150 mm) 10 23/43 Providing, laying, cutting, joint	16	19/42		5.00			
1 342 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 2 21/1 Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½-3, with spigot socket or collar joint, etc. in collection of reinforcement, conforming to 18. Se11: Part I: 1981. Class "L" including carriage of pipe from factory to site of work, lowering in tenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete, etc., et			External Diumbina Wark			Total	
concrete 1:11/::3, with spigot socket or collar joint, etc. including ost of reinforcement, conforming to B. S. 5911: Part i: 1981. Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete. i) 225 mm (9°) i/d i) 6° i/d 3 6/3 Cement concrete brick or stone ballast 11/s" to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1:4:8 6 600.00 % Cft 4 7/4 Pacca brick work in foundation 8, plinth:- cement, sand mortar:- Ratio 1:4 2250.00 % Cft 5 11/9 Cement plaster 1:3 upto 20' (6.00 mm) height:- i) 34" thick i) 34" thick i) 34" thick 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 7 21/15A Providing and fixing 6" thick R.C.C. manhole cover with tee shaped C.I. frame of 22" l/d (frame weighing 37.324 Kg. or one mand as per Standard Drawing STDI/PD No. 6, of 1977, complete in all respect. 8 6/51A 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) Without Paintling (i) 14" high 9 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" l/d (150 mm) i) upto 6" l/d (150 mm) ii) upto 8" l/d (200 mm) 10 23/43 Providing, laying, cutting, jointing, testing and disinfecting pipe in trenches. complete in all respect. PN-10 (SDR-17) 3"	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	19340.00		%o Cft	
50 mm) gauge, in foundation and plinth:- Ratio 1:4:8 600.00 % Cft 7/4 Pacca brick work in foundation & plinth:- cement, sand mortar:- Ratio 1:4 2250.00 % Cft 5 11/9 Cement plaster 1:3 upto 20' (6.00 mm) height:- i) 3/4" thick i) 3/4" thick ii) ½" thick 2400.00 % 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. 7 21/15A Providing and fixing 6" thick R.C.C. manhole cover with tee shaped C.I. frame of 22" l/d (frame weighing 37.324 Kg. or one maund as per Standard Drawing STD/PD No. 6, of 1977, complete in all respect. 8 6/51A 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) Without Painting (i) 14" high 9 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) 20.00 P.Con P.Con P.Con P.Con P.Con Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working presure pipe in trenches. complete in all respects PN-10 (SDR-17) 3"	2	21/1	concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete. i) 225 mm (9") i/d				
cement, sand mortar:- Ratio 1:4 2250.00	3	6/3		600.00		% Cft	
i) 3/4" thick ii) ½" thick 2400.00 2427.00 8 Sft iii) ½" thick 2400.00 2427.00 8 Sft iii) ½" thick 2400.00 2427.00 8 Sft iiii ½" thick 8 Sft	4	7/4	· ·	2250.00		% Cft	
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 7 21/15A 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. 8 6/51A 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) Without Painting (i) 14" high 3000.00 Rft 9 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 P.Con 10 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-10 (SDR-17) 3"	5	11/9	i) 3/4" thick				
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. 8 6/51A 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) Without Painting (i) 14" high 3000.00 Rft 9 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 P.Con P.Con Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working presure pipe in trenches. complete in all respects PN-10 (SDR-17) 3"	6	3/44	for water supply pipe lines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, levelling the beds of	7650.00		%o Cft	
of 3500 PSI Compressive Strength, embeded in PCC 1:2:4 over lean concrete 1:4:8 etc complete in all respect. A) Without Painting (i) 14" high 3000.00 Rft 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) 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-10 (SDR-17) 3"	7	21/15A	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,	41.00		Each	
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) 2.00 providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working presure pipe in trenches. complete in all respects PN-10 (SDR-17) 3"	8	6/51A	of 3500 PSI Compressive Strength, embeded in PCC 1:2:4 over lean concrete 1:4:8 etc complete in all respect. A) Without Painting	3000.00		Rft	
Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working presure pipe in trenches. complete in all respects PN-10 (SDR-17) 3"	9	24/42	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)				
	10	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-10 (SDR-17) 3"				
Total			,	555.50			

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
1	7/30	External Civil Work Supplying and filling sand under floor; or plugging in wells.	2400.00		% 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	3336.00		% Cft	
3	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 respectsMRS 10/3	899.00		% Cft	
4	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	30000.00		Per Sft	
5	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	225.00		% Cft	
6	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 C (nominal mix 1: 2: 4)	188.00		Per Cft	
					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		%o Cft	
2		Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.l. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.l. wire 16 SWG. 240 mm sq (37/0.114)	200.00		Per M	
3	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		Each	
					Total	
1	N.S	External Electrical (Non-Schedule) Supply & Laying of 3-core, 120mm², XLPE/PVC/SWA/PVC, 8.7/15Kv Aluminum conductor cable i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Fast Cable or Equivalent)	180.00		Per M	
2	N.S	Supply and installation of 120mm², 3-core, 11-KV Termination Kit i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.(Raychem or Equavalent)	2.00		Each	
3	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	1.00		Each	
4	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		Each	
5	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		Each	
.					Total	

Item No. REF. Description of Items CH/ITE	Qty	Rate (Rs.)	Unit	Amount (Rs.)
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Work No.05

The Islamia University of Bahawalpur Construction of New Girls Hostel No 01 at Bahawalnagar Campus <u>Estimate</u>

No.	Ref.	Description	Quantity	Rate	Unit	Amount
		Civil Work (Schedule Items)				
1	3/47.a	Jungle clearance and removing within 100 ft. (30 m).light	46714.13 Sft		%Sft	
2		Excavation in foundation of building, bridges and other				
	0/04 A ::	structures including dag-belling, dressing, refilling around	E040C 4E		0/ - 0#	
	3/21-A-II	structure with the excavated earth. i) In ordinary Soil	58486.15 Cft		%oCft	
3		Spraying anti termite proofing by using liquid FMC Biflex	Oit			
		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.				
	26/42		62868.25		Per Sft	
1		Supplying and laying polythene sheet over D.P.C. under floors	Sft			
4	26/37-ii	and on roofs, etc 500 gauge (.005" thick)	66260.84		Per Sft	
		and an ioon, one out gauge (root think)	Sft		5. 5.	
5		Cement concrete plain including placing, compacting, finishing				
	C/F :	and curing complete (including screening and washing of stone	40000.04		0/ 04	
	6/5-i 6/5.f	aggregate): i) Ratio 1:4:8 ii)'Ratio (1:2:4)	12668.64 5728.86		% Cft % Cft	
	0/0.1	1) (1.2.1)	Cft		70 011	
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 -				
	6/11-c	Deformed Bar Grade 60	145615.90		% Kg	
	6/11-b	Deformed Bar Grade 40	15488.18		% Kg	
7		Providing and laying reinforced cement concrete (including prestressed	Kg			
,		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.):- 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)				
	6/6-aiii-	complete in all respects:- (2) Type B (nominal mix 1: 11/2: 3)				
	2b		19878.00		Per Cft	
		ii)'Ratio (1:2:4)	250.00		Per Cft	
			Cft			
8		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.):- 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)]	Ground Floor Ratio (1:1½:3)	26090.29		Per Cft	
ii)		First Floor Ratio (1:1½:3)	1590.63		Per Cft	
i)		Ground Floor Ratio 1:2:4	727.59		Per Cft	
ii)		First Floor Ratio 1:2:4	26.81		Per Cft	
			Cft			
9		Two coats of bitumen laid hot using 34 lbs. per %Sft, or 1.72 Kg				
ı	9/12	per square metre over roof and blinded with sand at one Cft. per %Sft. (0.003 cu.m per sq.m)	37330.70		%Sft	
	1 3/.2		Sft		1,000	ı

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
10	CH/IIE	Providing and fixing theremopore (foamed polythene) sheet in				
	6/32-a	horizontal and vertical expansion joints: a) 1" (25 mm) thick thermopore sheet	1852.00		Per Sft	
			Sft			
11	3/15i.	Filling, watering and ramming earth under floors:- i) with surplus earth from foundation, etc.	19495.38 Cft		%oCft	
12		Filling, watering and ramming earth under floors:-	Oit			
	3/15-	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	405000.00		0/ 0/	
	С	upto 5 mile.	195000.00 Cft		%oCft	
13		Pacca brick work in foundation and plinth in:- i) cement, sand				
	7/4-i	mortar:- Ratio 1:5	14499.78 Cft		% Cft	
14		Providing and laying damp proof course of cement concrete 1:2:4 (using cement, sand and shingle), including bitumen	OIK			
		coating :- (a) with one coat bitumen and one coat polythene sheet 500				
	0/05 - :	gauge.	0540.05		0/ 0/	
	6/35ai	ii) 1-1/2" thick (40 mm)	2518.85 Sft		%Sft	
15		Pacca brick work in ground floor:-				
i)	7/5-i	i) cement, sand mortar:- Ratio 1:5 Ground Floor	26024.82		% Cft	
ii)	1/51	First Floor	6543.94		% Cft	
			Cft			
16		First class brick walling laid in 1:3 cement sand mortar, reinforced with 1" (25 mm) wide 18 gauge hoop iron:-				
		ii) 4½" (113 mm) thick walling with hoop iron, bonding 12" (300				
i)	7/21-ii	mm) apart. Ground Floor	6932.50		% Sft	
1)		Clound 1 loor	6932.50 Sft		% SIL	
17	7/30.	Supplying and filling sand under floor; or plugging in wells.	12373.35 Cft		% Cft	
18	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm)	12905.11		% Cft	
	0/2	gauge.	Cft		76 CIT	
19	6/3.b	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- (1:4:8)	3375.35		% Cft	
	0/3.0	inini) gauge, in loundation and piinin (1.4.6)	Cft		/6 CIL	
20		Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. Ratio 1:3				
i)	11/10-b	Ground Floor up to 20' height	37619.67		% Sft	
ii)	11/10- b+11/28	First Floor up to 30' height	2286.81		% Sft	
	D+11/26		2280.81 Sft		/0 310	
21		Cement plaster 1:4 upto 20' (6.00 m) height:- b) '½" (13 mm)				
i)		thick Upto 20' heights				
ii)	11/9-b	a) '½" (13 mm) thick	106932.90		% Sft	
	11/9-c	b) ¾" (20 mm) thick	40883.01		% 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				
	9/45.b	respect . b)1.5" Thick	29846.72		%Sft	
23		Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over	Sft			
		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				
	0/5	sand blinded.	00040 ==		0/ 04	
	9/5.		29846.72 Sft		%Sft	
24	9/15.	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	27.00		Each	
I	I	l l	No		1	ı I

Item No.	REF. Nos	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
25	CH/ITE	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				
	12/15-a	2"x 1/4" (50 mm x 6 mm)	2765.00 Sft		Per Sft	
26	12/50.	P/F1-1/2" thick solid flush door comprising of 2.5mm thick Commercial ply compressed over 2.5mm thick commercial ply over1" thick packing wood in styleand rail sun derproper 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.	1925.00		P/Sft	
27		Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels. 'Size 1½" x 3/8" (40 x 10 mm)	Sft			
	10/40.a	mosaic hoofing into panels. Size 1/2 x 3/0 (40 x 10 min)	2,566.36 Rft		Per Rft	
28	10/15-c	Providing and laying topping of cement concrete 1:2:4,including surface finishing and dividing in panels: 1.5"(32 mm) thick	8,576.97		% Sft	
29	13/31. i+ii+ii	Preparing surface and painting with emulsion paint:- New surface 3-coats	Sft 106932.91		%Sft	
30	13/5-c i+ii+ii	Painting new surface:- Preparing surface and painting of doors and windows any type (including edges):- 3-Coats	Sft 1925.00		%Sft	
31	11/22.	Priming coat of chalk under distemper.	Sft 39906.48 Sft		%Sft	
32	11/23.a.i ii	Distempering:- a) new surface:- iii) three coats	39906.48		%Sft	
33	6/26-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	Sft 1450.00		P/Rft	
34		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-	Rft			
i)	a-i+ii	Coats upto 20' height	40883.01 Sft		% Sft	
35	12/61-B-	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.				
36	i	(B)Brass sliding bolt, 10" (250 mm) long P/F3/4"dia heavy duty sliding bolt of specified material i/c	172.00 Nos		Each	
		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 ii) Iron sliding bolt, 12" (300 mm) long	91.00 95.00 Nos		Each Each	
37	40/44	Providing and layingTuff 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				
38	10/41.b	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using	6306.83 Sft		Per Sft	
		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				
	25/52.	in-charge.	2720.00 Sft		Per Sft	

tem No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
39	₩ 1 1 Am	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				
	25/53.	as approved and directed by the engineer incharge complete in all respect.	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,				
	12/54.	complete with flat iron patti ½"x 1/8" (13 mmx3 mm) and machine made screws.	707.04		P/Sft	
			Sft			
41	12/44.b	Glazing with panes (16 oz. to 18 oz.,) including cost of putty.	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				
	10/42-a-i	i) 400 mm x 400 mm	26672.69		Per Sft	
12		Providing and fiving M.S. grill fabricated with M.S. Savara	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	Engineer Incharge. a) 3/8" Squar Bars	2720.00		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.	Sft			
	12/60i	(i) 15 " wide	548.00 Sft		Per Sft	
45		Providing and fixing panelled door of M.S. Sheet with for ged door leaves of M.S.Sheet 22SWG fitted in hollow frame chowkhat 3"x4½"(76x114mm) made of M.S.sheet 18SWG ,filled with plain cement concrete1:3:6 etc.complete, with all fitting sand hammer painting,including carriage to site and fixing	Sit			
	12/51i	in position.	182.00		Per Sft	
46		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"	Sft			
	10/24.i		2377.16		P/Sft	
47		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"	Sft			
	10/25.i		9001.76		Per Sft	
			Sft		1	

tem No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
48	CHITTE	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				
	.10/44	all respects and as approved and directed by the Engineer Incharge.	238.20 Sft		P/Sft	
49	40/50 :	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			D 0#	
50	10/50.i	Incharge.3/4" thick	2398.84 Sft		Per Sft	
50	10/48.	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.	980.00 Rft		Per Rft	
51	40/40	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	24.00		Fach	
52	10/48.	Incharge. Providing embeding 10" (250 mm) wide ¼" (6 mm) thick rubber	24.00 Nos		Each	
J 2	6/30.	water stopper in expansion joints of R.C.C. roof slab complete in all respects.	350.00 P/Rft		Per Rft	
53		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.				
	24/64	approved and directed by the Engineer incharge.	516.64 Rft		P/Rft	
		Civil Work (Non-Schedule Items)			Total	
1	NS	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)	1190.25		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	Sft			
3	NS	Incharge. Extra labour & cost for Preparation of cemented pastered surface for emulsion paint with application of wall putty (Berger, Master, ICI) after rubbing and finishing of surface	8316.00 Sft		Per Sft	
	NS	complete in all respects as approved by the Engineer Incharge.	106932.91 Sft		Per Sft	
4	NS	Providing & Fixing uPVC door 1.25" thick wooden colour i/c hinges, door handle with locking arrangement complete in all respects.	857.50 Sft		Per Sft	
5	NS	Providing & Fixing Magnet stopper for doors with screws best quality complete in all respects as approved by the Engineer Incharge.	160.00		Each	
6	NS	Preparing surface & applying siprit polish best quality complete in all respects as approved by the Engineer Incharge.	Nos 144.00		P/Sft	
			Sft			

em No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
7	OH/IIE	Providing and fixing 1½" (40mm) thick Oak wood panelled and glazed in special design main door, best quality, with Tower bolt 3' Length, Tower bolt 12" Length in Bottom, Handle 12" (150mm) special, Sliding Bolt brass 18" Special Quality italian design and vax polishing etc, complete in all respects as design, drawing and as approved by the Engineer Incharge.				
	NS		72.00 Sft		P/Sft	
8	NS	Providing & Fixing kitchen cabinet consisting of lamination board 3/4" thick for leaves,MS Box frame size 3" x 3/4" Gola for leaf size 3/4" * 3/4 ", including sprit polish for gola and to other wood work of the cabinet, with all requisite hard ware fittings complete as per drawing, & in all as approved by the Engineer In-Charge.			D/O	
		a) For Kitchen cabinet down portion b) For Kitchen cabinet Upper portion	46.20 67.90		P/Sft P/Sft	
		b) For Ritchert Cabinet Opper portion	67.90 Sft		F/SIL	
9	NS	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	650.00 Rft		P/Rft	
10	NS	Providing/Using Sulphate Resistat Cement instead of Ordinary portland Cement up to plinth level and flooring. (Difference in cost of OPC & SRC) to protect effect of dampness and salts.	6787.00		Each	
			Bag			
11		Subsequent carriage of crushed stone aggregate total distance from Sargodha to Bahawalnagar IUB Campus at site of work average 278 KM	75119.74 Cft		% Cft	
					Total	
		Electric Work (Schedule Items)				
1		Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries,and repairing surface, etc., complete with all specials.				
	24/3-i	i) 20 mm i/d	8514.91		Per Rft	
		ii) 25 mm i/d	13277.60		Per Rft	
	24/3-v	iii) 1.5" i/d (40 mm)	150.00 Rft		Per Rft	
2		Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only). a) 250/440 volts, PVC insulated:				
i)		3/0.74 mm (3/0.029")	12668.00		Per Rft	
ii) iii)		3/0.91 mm (3/0.036") 7/0.74 mm (7/0.029")	34248.00 20125.00		Per Rft Per Rft	
iv)		7/0.74 mm (7/0.029) 7/0.91 mm (7/0.036")	10553.00		Per Rft	
v)		7/1.12 mm (7/0.044")	2208.00		Per Rft	
vi)		7/1.63 mm (7/0.064")	6677.00 Rft		Per Rft	
3	<u> </u>	Supply and erection of copper conductor cablesfor service connection, in prelaid pipe/G.l.wire/trenches, etc. (rate for cable only):- PVCinsulated, PVC sheathed 4 core 660/1100 voltgrade cable, armoured with G.I. wire 16 SWG.120 mm (37/0.083")				
	24/13-d		79.27		Per M	
4	24/102.a.ii	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.	Per M			
i	∠-// 1∪∠.a.ll	I.Plastic body 12 " dia	10.00		Each	
ii		Steel body 18" sweep	3.00		Each	
-	Ī	,	No No			l

em No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
5	24/103.a	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 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			
6		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 (2.5'x7'x3')				
	24/91.i,b,iv.		1.00		Each	
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	125-250 Amp(25KA)	2.00		Each	
i	24/87.a.vi		1.00		Each	
i)	24/87.a.ii	15-100 Amp (10 KA,15KA)	20.00		Each	
	24/07 .a.ii		20.00 No		Each	
8	24/90-a.ii	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).75~100A (30"x22"x6")	9.00		Each	
		(oo ALL AO)	No			
9		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)	0.00			
	24/87-a-ii		9.00		Each	
10		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	No			
	24/86-a-ii	Engineer Incharge.6-40 Amp (6 KA)	216.00 No		Each	
			INU		Total	
		Electric Work (Non-Schedule Items)		1	1	

em No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.
1	CHITTE	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				
	NS	equivalent)	103.00		Each	
			No			
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				
	NS	and approved by the Engineer Incharge	103.00		Each	
			No			
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				
	NS	Engineer Incharge (SK mega or Equivalent)	8.00		Each	
4		Supply 8 installation of LED 24 W Down Light 6500 K 2000				
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				
	NO	Engineer Incharge (Philips Essential or Equivalent)	400.00			
	NS		128.00 Nos		Each	
5		Supply & installation of Strip (patti) with 20W Led tube rod	NUS			
Ū		(220V~, 6500K) i/c any accessories required at site. Complete				
		in all respect as directed and approved by the Engineer			1	
	NS	Incharge (Philips or Equivalent)	340.00 No.		Each	
6		Supply & installation LED flood light 100 watt Philips quality	140.			
		including casing bracket, hanging arrangement complete in all				
	NS	respects as approved by the Engineer Incharge.	16.00		Foob	
	INS		No		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				
	NS	Equivalent)	1.00		Each	
			No			
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				
	NS	directed by the engineer incharge.	2.00		Each	
	INO		No		Lacii	
					Total	
,		Plumbing Work (Schedule Items)				
1		Providing and fitting glazed earthen ware water closet squatter type (Orissa pattern) combined with foot rest. (Coloured).				
	19/4ii.	rype (Onssa pattern) combined with root rest. (Colouled).	21.00		Each	
			No			
2		Providing and fitting glazed earthen ware wash hand basin				
		56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.				
		i. coloured, with pedestal	6.00		Each	
	19/7.v	ii. Under Counter Vanity Basin	20.00		Each	
3	19/27.ii	Providing and Fixing Crommium plated bib cock 1/2" dia with	No			
J		plastic head.	38.00		Each	
	10/2:::		Nos			
4	19/24.ii	Providing and fixing chromium plated pillar-cock, heavy:-	6.00		Each	
		ii) (1/2")	0.00 No.		Lacii	
5	19/28	Providing and fixing chromium plated tee stop cock '15mm (½").				
			34.00		Each	
	I		No.			

em No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
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 dish	12.00		Each	
		ii) plastic toilet paper holder	12.00		Each	
		iii) plastic towel rail	12.00		Each	
		71 *** * * * *	No.			
7	19/13.i	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. ii) coloured	25.00 No.		Each	
8	19/30.	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower, as approved by the engineer in charge	26.00		Each	
		Ghargo				
9	3/42-i	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:-'0 ft. to 7.0 ft. (0 to 2.10 m) depth	8848.48		%0 Cft	
10		Description and leading D.O.O. since account of the control of the	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,				
i)	21/3 i	jointing 310 mm (12") i/d	1,215.00 Rft		P/Rft	
1	7/4.i	Pacca brick work in foundation and plinth in:- i) cement, sand mortar:- Ratio 1:3	2056.58 Cft		% Cft	
2	11/8.b	Cement plaster 1:3 upto 20' (6.00 m) height:- b) '½" (13 mm) thick	5676.00 Sft		% Sft	
3	21/8.	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.	6.00		Each	
4		Extra for making and finishing benching floor work in manhole	No			
	21/9.	chamber, with 1/8" (3 mm) thick cement finish.	150.00 Sft		% Sft	
5	19/48.	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	69.00		Each	
		Multi-Trap 4" dia	22.00		Each	
		Vent Cowel 4" dia	20.00		Each	
			Nos			
16		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) 4"(110 mm)				
	19/47.		1905.07 Rft		P/Rft	
17	23/47.bii	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).	KIL			
		PN-20 pipe				
	I	ii)(3/4") 25 mm	523.00	Ī	P/Rft	Ī

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	OHMIL	iii)(1") 32 mm	1211.00		P/Rft	
		vi)(2") 63 mm	1050.00 Rft		P/Rft	
18	19/50.	Providing and fixing 1/2" dia Muslim Shower of Fasial /Master comprising of 1/2 "diaone-meter long rubber /CP fexible pipe and hand showers etc omplete in all respects as approved and directed by the Engineer Incharge.	25.00 No		Each	
19		Providing and fixing stainless steel sink with drain board, size				l
	19/8.	120x60 cm (48"x24") including bracket set, waste pipe and waste coupling.	6.00 No.		Each	
20	19/3.	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.	4.00 No		Each	
21		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 tap etc.complete in all respect as approved and directed by the Engineer incharge.	NO			
	.19/52-iv	(iv) Open Type Wall Shower	30.00 No		Each	
]		Plumbing Work (Non-Schedule Items)			Total	
7	NS	P/F Looking glass imported quality complete in all respect and as approved by the Engineer Incharge.	111.00 Sft		P/ Sft	
8	NS	Providing & fixing floor trap Jali plastic complete in all respect and as approved by the Engineer Incharge.	33.00 No		Each	
9	NS	Providing & fixing floor trap Jali Stainlessteel complete in all respect and as approved by the Engineer Incharge.	37.00 No		Each	
					Total	

Work No.6

The Islamia University of Bahawalpur Construction of New Girls Hostel No 02 at Bahawalnagar Campus Estimate

No.	Ref.	Description	Quantity	Rate Unit	Amount
		Civil Work (Schedule Items)			
1	3/47.a	Jungle clearance and removing within 100 ft. (30 m).light	46714.13 Sft	%Sft	
2		Excavation in foundation of building, bridges and other structures including dag-belling, dressing, refilling around			
	3/21-A-ii	structure with the excavated earth. i) In ordinary Soil	58486.15 Cft	%oCft	
3		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.			
	26/42		62868.25 Sft	Per Sft	
4	26/37-ii	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc 500 gauge (.005" thick)	66260.84 Sft	Per Sft	
5	0/5 :	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone	40000.04	0/ 04	
	6/5-i 6/5.f	aggregate): i) Ratio 1:4:8 ii)'Ratio (1:2:4)	12668.64 5728.86 Cft	% Cft % Cft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Amount (Rs.)
6	CH/IIE	Fabrication of M.S. Reinforcement for cement concrete including bending, laying in position, making joints and fastening i/c cast of binding wire and labour charges for bending of steel reinforcement also includes removal of rust from bars -			
	6/11-c 6/11-b	Deformed Bar Grade 60 Deformed Bar Grade 40	145615.90 15488.18	% Kg % Kg	
7		Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design,including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- 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:-	Kg		
	6/6-aiii-	(2) Type B (nominal mix 1: 1½: 3)			
	2b 6/6-aiii-3c	ii)'Ratio (1:2:4)	19878.00 250.00 Cft	Per Cft Per Cft	
8		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.):- 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	Cround Floor Potio (1:11/:2)	20000 20	D Cft	
i) ii)		Ground Floor Ratio (1:1½:3) First Floor Ratio (1:1½:3)	26090.29 1590.63	Per Cft Per Cft	
i)		Ground Floor Ratio 1:2:4	727 50	Dor Cft	
ii)		First Floor Ratio 1:2:4	727.59 26.81	Per Cft Per Cft	
9	9/12	Two coats of bitumen laid hot using 34 lbs. per %Sft, or 1.72 Kg per square metre over roof and blinded with sand at one Cft. per %Sft. (0.003 cu.m per sq.m)	Cft 37330.70	%Sft	
	ī	<u> </u>	Sft		
10	6/32-a	Providing and fixing theremopore (foamed polythene) sheet in horizontal and vertical expansion joints: a) 1" (25 mm) thick thermopore sheet	1852.00 Sft	Per Sft	
11	3/15i.	Filling, watering and ramming earth under floors:- i) with surplus earth from foundation, etc.	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			
13	С	upto 5 mile. Pacca brick work in foundation and plinth in:- i) cement, sand	195000.00 Cft	%oCft	
	7/4-i	mortar:- Ratio 1:5	14499.78 Cft	% Cft	
14		Providing and laying damp proof course of cement concrete 1:2:4 (using cement, sand and shingle), including bitumen coating:-			
	6/35ai	(a) with one coat bitumen and one coat polythene sheet 500 gauge. ii) 1-1/2" thick (40 mm)	2518.85	%Sft	
15		Pacca brick work in ground floor:-	Sft	7,55%	
:\	- /- ·	i) cement, sand mortar:- Ratio 1:5	00001.05		
i) ii)	7/5-i	Ground Floor First Floor	26024.82 6543.94 Cft	% Cft % Cft	
16		First class brick walling laid in 1:3 cement sand mortar, reinforced with 1" (25 mm) wide 18 gauge hoop iron:- ii) 4½" (113 mm) thick walling with hoop iron, bonding 12" (300	Cit		
i)	7/21-ii	mm) apart. Ground Floor	6932.50 Sft	% Sft	
			SIL		1

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	J. W. I E		Cft			
18	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.	12905.11 Cft		% Cft	
19	6/3.b	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- (1:4:8)	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	Oit			
i) ::\	11/10-b 11/10-	Ground Floor up to 20' height	37619.67		% Sft	
ii)	b+11/28	First Floor up to 30' height	2286.81 Sft		% Sft	
21		Cement plaster 1:4 upto 20' (6.00 m) height:- b) '½" (13 mm)				
i)		thick Upto 20' heights				
ii)	11/9-b	a) '½" (13 mm) thick	106932.90		% Sft	
		b) ¾" (20 mm) thick	40883.01		% Sft	
22	9/45.b	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	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				
	9/5.	sand blinded.	29846.72		%Sft	
	3/3.		29040.72 Sft		76 5 11	
	9/15.	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	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 ½" (40x40x6 mm) welded with M.S. flat				
00	12/15-a	2"x ¼" (50 mm x 6 mm)	2765.00 Sft		Per Sft	
26		P/F1-1/2" thick solid flush door comprising of 2.5mm thick Commercial ply compressed over 2.5mm thick commercial ply over1" thick packing wood in styleand rail sun derproper 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				
	12/50.	Engineer Incharge.	1925.00 Sft		P/Sft	
27		Providing and fixing marble strip of any shade 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	
28		Providing and laying topping of cement concrete 1:2:4,including surface finishing and dividing in panels: 1.5"(32 mm) thick				
	10/15-c	Surface fillishing and dividing in pariets. 1.5 (52 min) trick	8,576.97 Sft		% Sft	
29	13/31. i+ii+ii	Preparing surface and painting with emulsion paint:- New surface 3-coats	106932.91 Sft		%Sft	
30		Painting new surface:-	Sit .			
	13/5-c i+ii+ii	Preparing surface and painting of doors and windows any type (including edges):- 3-Coats	1925.00		%Sft	
31	11/22.	Priming coat of chalk under distemper.	Sft 39906.48 Sft		%Sft	
32	11/23.a.i ii	Distempering:- a) new surface:- iii) three coats	39906.48		%Sft	
33		Providing and fixing 6 in(150 mm). wide curved sheet of	Sft			
		required shape fixed on face of the construction joint with				
	6/26 ::	G.I.screw,1.5 in (40 mm) long to cover construction joints	1450.00		D/D#	
	6/26-ii	vertically:-G.I sheet 18 SWG	1450.00 Rft		P/Rft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.) Unit	Amount (Rs.)
34	13/32A- a-i+ii	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: new surface: 2-Coats			
i)	u i i i	upto 20' height	40883.01 Sft	% Sft	
35	12/61-B- i	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	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	Nos		
		i) Iron sliding bolt, 10" (250 mm) long ii) Iron sliding bolt, 12" (300 mm) long	91.00 95.00 Nos	Each Each	
37		Providing and layingTuff 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 Sf	
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			
	25/52.	in-charge.	2720.00 Sft	Per Sf	
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			
	25/53.	respect.	1360.00	Per Sf	
40	10/54	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	Sft	2/0/	
	12/54. 12/44.b	machine made screws.	707.04 Sft	P/Sft P/Sft	
41 42	12/44.0	Glazing with panes (16 oz. to 18 oz.,) including cost of putty. 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	65.90 Sft	F/SIL	
	10/42-a-i	approved and directed by the Engineer Incharge.Full body Glazed tiles i) 400 mm x 400 mm	26672.69	Per Sf	
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	Sft		
	25/59.i	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	2720.00	Per Sf	
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.	Sft		

tem No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
		(i) 15 " wide	548.00		Per Sft	
4-	1	Drouiding and fining a small 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Sft		1	
45	1	Providing and fixing panelled door of M.S. Sheet with for ged door leaves of M.S.Sheet 22SWG fitted in hollow frame	i		1	1
	1	chowkhat 3"x4½"(76x114mm) made of M.S.sheet 18SWG	i		1	
	1	filled with plain cement concrete1:3:6 etc.complete, with all	ŀ	ļ	1	
	1	fitting sand hammer painting,including carriage to site and fixing	l		1	1
	12/51i	in position.	182.00		Per Sft	
	1		Sft	ļ	1	
46	1	Providing and laying superb quality Ceramic tile floors of Master	ļ		1	
	1	brand of specified size,Glossy/Matt/Texture of approved Color	ŀ	ļ	1	
j	1	and Shade as perapproved design with adhesive bond, over	l	ļ	1	
j	1	3/4" thick(1;2) cement sand plaster i/c the cost of sealer for	ļ		1	
	1	finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer	l	(1	1
	1	Incharge.12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	l	(1	1
	10/24.i		2377.16	(P/Sft	1
	1		Sft	(I
47	ļ	Providing and laying superb quality Ceramic tiles dado of	ļ	ļ	1	
	1	Master brand of specified size, Glossy/Matt/Texture skirting /	l	(1	1
)	1	dado of approved Color and Shade with adhesive bond over	ı	Ţ	1	I
	1	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	ı	(1	1
	1	approved and directed by the Engineer	l	(1	1
	ļ	Incharge.12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	l	ļ	1	
)	10/25.i		9001.76	Ţ	Per Sft	
	ļ	1	Sft	ļ	1	
48	ļ	Providing and laying 3/8 inch thick superb class Multani tiles of	l	ļ	1	
	1	specified size and design of approved Colorand Shade with	l	(1	1
)	1	adhesive bond ,over1/2" thick (1:2) cement plaster i/c the cost	ļ	(1	1
	ļ	of sealer for finishing the joints i/c cutting grinding complete in	l	ļ	1	
	.10/44	all respects and as approved and directed by the Engineer Incharge.	238.20	ļ	P/Sft	
	0/ 44		236.20 Sft		, , , , , ,	
49	1	Providing and laying Prepolished Granite of specified thickness		ļ	1	
	1	and shade of full width of approved quality laid with adhesive	ļ	ļ	1	
	1	bond over 3/4" thick (1:2) cement sand mortor bed ,complete in	l	ļ	1	
	10/50	all respect as approved and directed by the Engineer	2200.04		D== 01	
	10/50.i	Incharge.3/4" thick	2398.84		Per Sft	
F^	1	Every for Povelling shares of models and its a	Sft	ļ	1	
50	1	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carbor and amdisc as	l	ļ	1	
	10/48.	approved and directed by the Engineer Incharge.	980.00		Per Rft	
	1	Transaction by the Engineer menarge.	Rft			
51	1	Extra cost for making hole in Marble slab for		ļ	1	
•	1	fixtures,Sink,burners,basin Vanities i/c cost of bevelling of	l	ļ	1	
j	1	internal edge as approved and directed by the Engineer	l	ļ	1 1	
j	10/48.	Incharge.	24.00		Each	
_	1		Nos		1	
52	1	Providing embeding 10" (250 mm) wide ¼" (6 mm) thick rubber	ļ	ļ	1	
j	6/30.	water stopper in expansion joints of R.C.C. roof	350.00	ļ	Per Rft	
j	U/3U.	slab complete in all respects.	350.00 P/Rft		ו פו ולונ	
53	1	Providing and fiving 2'_0" high stair railing commission of	r/KII		1	
در	1	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG	ļ		1	
	1	welded with vertical posts of 2" dia stainless steel round/ Squar	ļ		1	
	1	pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws	ļ		1	
	1	and brass rawal plugs , 3-Nos diagonal stainless steel pipes of	ļ	ļ	1	
	1	1/2" dia passes through goties fixed on vertical post, i/c stainles	l	ļ	1	
	1	steel welding, fixing & polishing complete in all respects as	l	ļ	1	
	011-	approved and directed by the Engineer Incharge.	F10.51		D/D:	
	24/64	1	516.64		P/Rft	
	1	1	Rft		Total	
\dashv	<u> </u>	Civil Work (Non-Schedule Items)		 	Total	
1	 	Making and errecting in position MS Grill Door with M.S box			†	
	1	pipe 1.5"x1.5" main frame and M.S Box pipe 1/2"x1/2", 18	i	ļ	1	
j	1	SWG for grill, complete in all respects and duly painted as	l	ļ	1	
j	1	approved by the Engineer Incharge.(Fly/Mosquito Proof Grill	ļ		1	
j	NO	Doors for Fixing at Gallaries openings)	1100.25		Dor Off	
Ì	NS	1	1190.25	1	Per Sft	1
,			Sft		- 1	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
2	NS	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.	8316.00 Sft		Per Sft	
3	NS	Extra labour & cost for Preparation of cemented pastered surface for emulsion paint with application of wall putty (Berger,Master, ICI) after rubbing and finishing of surface complete in all respects as approved by the Engineer Incharge.	106932.91		Per Sft	
I	NS.		106932.91 Sft		Per Sit	I I
4	NS	Providing & Fixing uPVC door 1.25" thick wooden colour i/c hinges, door handle with locking arrangement complete in all respects.	857.50 Sft		Per Sft	
5	NS	Providing & Fixing Magnet stopper for doors with screws best quality complete in all respects as approved by the Engineer Incharge.	160.00 Nos		Each	
6	NS	Preparing surface & applying siprit polish best quality complete in all respects as approved by the Engineer Incharge.	144.00		P/Sft	
7		Providing and fixing 1½" (40mm) thick Oak wood panelled and glazed in special design main door, best quality, with Tower bolt 3' Length, Tower bolt 12" Length in Bottom, Handle 12" (150mm) special, Sliding Bolt brass 18" Special Quality italian design and vax polishing etc, complete in all respects as design, drawing and as approved by the Engineer Incharge.	Sft			
	NS		72.00 Sft		P/Sft	
8	NS	Providing & Fixing kitchen cabinet consisting of lamination board 3/4" thick for leaves,MS Box frame size 3" x 3/4" Gola for leaf size 3/4" * 3/4 ", including sprit polish for gola and to other wood work of the cabinet, with all requisite hard ware fittings complete as per drawing, & in all as approved by the Engineer In-Charge.				
	110	a) For Kitchen cabinet down portion b) For Kitchen cabinet Upper portion	46.20 67.90 Sft		P/Sft P/Sft	
9	NS	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	650.00		P/Rft	
10	NO	Providing/Using Sulphate Resistat Cement instead of Ordinary portland Cement up to plinth level and flooring. (Difference in cost of OPC & SRC) to protect effect of dampness and salts.	Rft		i /ikit	
11	NS	Subsequent carriage of crushed stone aggregate total distance	6787.00 Bag		Each	
		from Sargodha to Bahawalnagar IUB Campus at site of work average 278 KM	75119.74 Cft		% Cft	
					Total	
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.				
	24/3-ii	i) 20 mm i/d ii) 25 mm i/d iii) 1.5" i/d (40 mm)	8514.91 13277.60 150.00 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:	TVV			

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
i)	24/10-i	3/0.74 mm (3/0.029")	12668.00		Per Rft	
ii)		3/0.91 mm (3/0.036")	34248.00		Per Rft	
iii)		7/0.74 mm (7/0.029")	20125.00		Per Rft	
iv)		7/0.91 mm (7/0.036")	10553.00		Per Rft	
v)		7/1.12 mm (7/0.044")	2208.00		Per Rft	
vi)	24/10-vi	7/1.63 mm (7/0.064")	6677.00		Per Rft	
3		Supply and erection of copper conductor cablesfor service connection, in prelaid pipe/G.l.wire/trenches, etc. (rate for cable only):- PVCinsulated, PVC sheathed 4 core 660/1100 voltgrade cable, armoured with G.I. wire 16 SWG.120 mm (37/0.083")	Rft			
	24/13-d		79.27		Per M	
4		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.	Per M			
	24/102.a.ii					
i ::		.Plastic body 12 " dia	10.00		Each	
ii		Steel body 18" sweep	3.00 No		Each	
5	24/103.a	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 way Gange Switch Small	NO			
		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	
6	24/91.i,b,iv.	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 (2.5'x7'x3')	No 1.00		Each	
7	. ۱.۱٫۵٫۱۷ ت بتــــــــــــــــــــــــــــــــــ	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	1.00		Laon	
i	24/87.a.x	300-630 Amp(36 KA)	2.00		Each	
ii	24/87.a.vi	125-250 Amp(25KA)	1.00		Each	
iii)	24/87.a.ii	15-100 Amp (10 KA,15KA)	20.00		Each	
8	24/90-a.ii	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).75~100A (30"x22"x6")	9.00		Each	
I	l		No			l l

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
9		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		9.00 No		Each	
10	24/86-a-ii	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)	216.00 No		Each	
					Total	
1	Ne	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	102.00		□	
	NS	equivalent)	103.00 No		Each	
2	NS	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	103.00 No		Each	
3	No	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	0.00			
4	NS	Engineer Incharge (SK mega or Equivalent) 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)	8.00		Each	
5	NS	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	128.00 Nos		Each	
6	NS	Incharge (Philips or Equivalent) Supply & installation LED flood light 100 watt Philips quality including casing bracket, hanging arrangement complete in all respects as approved by the Engineer Incharge.	340.00 No.		Each	
	NS	respects as approved by the Engineer monarge.	16.00 No		Each	
7	NS	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)	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 the engineer incharge.	No			
	NS		2.00 No		Each	
 1		Plumbing Work (Schedule Items) Providing and fitting glazed earthen ware water closet squatter type (Orissa pattern) combined with foot rest. (Coloured).			Total	
	19/4ii.	, , , , , , , , , , , , , , , , , , , ,	21.00 No		Each	

tem No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
2	OHITE	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste				
	19/7.i	coupling, etc. i. coloured, with pedestal	6.00		Each	
		ii. Under Counter Vanity Basin	20.00		Each	
	10/1.0	ii. Order Counter varity Basin	No		Laon	
3	19/27.ii	Providing and Fixing Crommium plated bib cock 1/2" dia with				
		plastic head.	38.00		Each	
			Nos			
4	19/24.ii	Providing and fixing chromium plated pillar-cock, heavy:-			L .	
		ii) (1/2")	6.00		Each	
			No.			
5	19/28	Providing and fixing chromium plated tee stop cock '15mm (½").	24.00		Eoob	
			34.00		Each	
6	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	No.			
	19/23.	i) plastic coop dich	42.00		F t-	
		i) plastic soap dish	12.00		Each	
		ii) plastic toilet paper holder	12.00		Each	
		iii) plastic towel rail	12.00		Each	
_		Description and finite mules of the latest transfer to the latest transfer transfer to the latest transfer tr	No.			
7		Providing and fitting plastic made low down flushing cistern				
	19/13.i	13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. ii) coloured	25.00		Each	
	10/10.1	connection, etc. complete. II) coloured	No.		Lacii	
8		Providing and fixing, chromium plated mixing valve, for wash				
-		hand basin, sink or shower, as approved by the engineer in				
	19/30.	charge	26.00		Each	
9	3/42-i	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:-'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)	21/3 i	310 mm (12") i/d	1,215.00		P/Rft	
			Rft			
11	7/4.i	Pacca brick work in foundation and plinth in:- i) cement, sand	2056 50		% Cft	
	1/4.1	mortar:- Ratio 1:3	2056.58 Cft		/0 CIL	
12	11/8.b	Cement plaster 1:3 upto 20' (6.00 m) height:-				
		b) '½" (13 mm) thick	5676.00		% Sft	
			Sft			
13		Constructing standard gully grating chamber, 3'x2½' '(900x750				
	21/8.	mm), with chinaware trap as per PHED Drawing STD/PD No. 3	6.00		Ecoh	[
	Z 1/O.	of 1977, complete in all respects.	6.00 No		Each	
14		Extra for making and finishing benching floor work in manhole	110			
	21/9.	chamber, with 1/8" (3 mm) thick cement finish.	150.00		% Sft	
			Sft			
15	19/48.	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	69.00		Each	
	1	Multi-Trap 4" dia	22.00		Each	
		Vent Cowel 4" dia	20.00		Each	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
16	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 thecost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.Type (SDR 32.5/SN-8) 4"(110 mm)	1905.07 Rft		P/Rft	
17	23/47.bii	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).	TWE			
		PN-20 pipe				
		ii)(3/4") 25 mm	523.00		P/Rft	
		iii)(1") 32 mm	1211.00		P/Rft	
		vi)(2") 63 mm	1050.00 Rft		P/Rft	
18		Providing and fixing 1/2" dia Muslim Shower of Fasial /Master				
		comprising of 1/2 "diaone-meter long rubber /CP fexible pipe and hand showers etc omplete in all respects as approved and				
	19/50.	directed by the Engineer Incharge.	25.00 No		Each	
19	19/8.	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe and waste coupling.	6.00		Each	
20	19/3.	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	No. 4.00		Each	
21	19/3.	Engineer Incharge. 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 tap etc.complete in all respect as approved and directed by the Engineer incharge.	No No		Lacii	
	.19/52-iv	(iv) Open Type Wall Shower	30.00 No		Each	
] I		Plumbing Work (Non-Schedule Items)			Total	
7	NS	P/F Looking glass imported quality complete in all respect and as approved by the Engineer Incharge.	111.00 Sft		P/ Sft	
8	NS	Providing & fixing floor trap Jali plastic complete in all respect and as approved by the Engineer Incharge.	33.00 No		Each	
9	NS	Providing & fixing floor trap Jali Stainlessteel complete in all respect and as approved by the Engineer Incharge.	37.00 No		Each	
					Total	

Work No.7

The Islamia University of Bahawalpur Construction of Girls Hostel at Baghdad-ul-Jadeed Campus

MRS Jul to Dec, 2021

No.	Reff.	Description	Quantity	Rate	Unit	Amount
1	3/21	Civil Work Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead 'upto one chain (30 m) and lift upto 5 ft. (1.5 m). b) In ordinary soil.	80500.00		%o Cft	

tem No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
2	3/13	Rehandling of earthwork: Upto a lead of 50 ft. (15 m).	18500.00		%o Cft	
3	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4 ii) Ratio 1:4:8	3700.00 6850.00		% 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	4500.00		% 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 respect .as approved by the Engineer Incharge	40796.00		Per Sft	
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 Type C (nominal mix 1: 2: 4)	500.00		Per Cft	
7	7/4	Pacca brick work in foundation and plinth in:- Cement, sand mortar: Ratio 1:6	31500.00		% Cft	
8	6/35	Providing and laying damp proof course of cement concrete 1:2: 4 (using cement, sand and shingle), including bitumen coating:- with one coat bitumen and one coat polythene sheet 500 gauge. 2" thick (50 mm)	4700.00		% Sft	
9	6/35	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- with one coat of bitumen and one coat of polythene sheet 500 gauge: Ratio 1:3 3/4 " thick (20 mm)	3150.00		% Sft	
10	3/15	Filling, watering and ramming earth under floors:- i) with surplus earth from foundation, etc. ii) with new earth excavated from outside,lead upto 1/4 mile	97500.00 1500.00		%o Cft	
11	3/17	Transportation of earth all types when the total distance, including the lead covered in the item of work,is more than 1000 ft.(300 m) 'upto ¼ mile (400 m). for every 330 ft. (100 m) additional lead or part thereof, beyond ¼ mile (400 m) upto one mile. (1.60 Km.)	112000.00		%o Cft	
12	3/24 a+b	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		%o Cft	
13	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	26500.00 27500.00 3400.00		% Cft % Cft % Cft	
14	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	700.00 980.00 850.00		% Cft % Cft % Cft	
15	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	
16	11/9 +11/28	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	65500.00 45700.00 23600.00		% Sft % Sft % Sft	
17	26/37	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. 500 gauge (.005" thick)	29500.00		Per Sft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
18	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) deformed bars i) Deformed Bar 40-Grade ii) Deformed Bar 60-Grade	250.00 75500.00		% Kg % Kg	
19	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) iii) Type C (nominal mix1:2:4) Ground Floor iv) Type C (nominal mix1:2:4) First Floor	8500.00 7650.00 1200.00 1200.00		Per Cft Per Cft Per Cft Per Cft	
20	7/30	Supplying and filling sand under floor; or plugging in wells	52000.00		% Cft	
21	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.	12000.00		% Cft	
22	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 2" thick	13500.00		% Sft	
23	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. Second Floor (add 6% on composite rate)	13500.00		% Sft	
24	12/50	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		Per Sft	
25	25/51	Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/s Al-Cop or Pakistan 'Cables, having chowkat frame of size 40 x 100 mm (1½" x '4") and leaf frame of 60x40mm (2½"x1½") wide 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. 2mm thickness	400.00		Per Sft	
26	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"x¾") and 'leaf frame sections of 50 x 20 mm (2"x¾"), all of 2mm 'thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	3250.00		Per Sft	
27	25/53	Providing and fixing Aluminum Fly screen comprising of Fiber/ Aluminum wireguaze (Malasian) fixed in aluminum frame of approved manu facturer brownze Colour/powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge.	1250.00		Per Sft	
28	10/18	Extra labour for each storey above ground, for				
i I		mosaic,conglomerate, tiles, stone and wooden floor.	6500.00		% Sft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
29	25/10 +11	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, 'tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including erection in position.	890.00		% Kg	
30	13/31	Preparing surface & painting with 3 coats Emulsion paint complete in all respects	112600.00		% Sft	
31	13/5	Painting new surface: Preparing surface and painting of doors and windows any type (including edges):- 3 coats	4800.00		% Sft	
32	13/32 A +13/39	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: new surface 2 coats i) upto 20' height ii) 20' to 30 height	17800.00 18300.00		% Sft % Sft	
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/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 1.50" thick 40mm	120.00		Per Sft	
34	13/43	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. Matt Finish	280.00		Per Sft	
35	10/15	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- 3" thick	3200.00		% Sft	
36	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. iron sliding bolt, 12" (300 mm) long	90.00		Each	
37	10/40	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½"x3/8" (40x10mm)	1650.00		Per Rft	
38	9/15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	20.00		Each	
39	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	3500.00		P/Sft	
40	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	550.00		Per Rft	
41	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)	500.00		% Sft	
42	6/30	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		Per Rft	
43	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)	19500.00		% Cft	

Item	REF. Nos	Description of Itams	044	Rate	Unit	Amount (Da)
No.	NOS CH/ITE	Description of Items	Qty	(Rs.)	Unit	Amount (Rs.)
44		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	29500.00		Per Sft	
45	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		Per Sft	
46	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		Per Sft	
47	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		Per Rft	
48	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		Each	
49		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	2500.00		Per Sft	
50	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"	2250.00		Per Sft	
51	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"	6300.00		Per Sft	
52	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	4000.00		Per Sft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
53	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.	125.00		Per Sft	
54	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 Floor Mounted Cabinet)	4750.00		Per Sft	
55	12/58	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. (for Wall Mounted Cabinet)				
56	9/48	1-1/2' deep,with back 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 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.	150.00		Per Sft	
57	12/60	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.	500.00		Per Sft	
		i) 10.50 " wide ii) 5.5 " wide	2400.00 650.00		Per Sft Per 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.	10.00		Each	
59	25/62	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		Per Sft	
60	18/23	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 @ 4" c/c, including painting charges etc complete in all respect.	200.00		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"	22500.00		Per Sft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
62	12/57	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		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.	28500.00		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	68088.00		Per Cft	
3	N.S	Providing and fixing 1½" (40mm) thick uPVC flush door of approved design & make, all hardware/ accessories chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect as approved by the engineer incharge	540.00		Per Sft	
4	N.S	Supply & installation Burner 36 Nozel with casing & round iron plate (pan) Complete in all respect and approved by Engineer Incharge.	5.00		Each	
5	N.S	Supply & installation Burner 24 Nozel with casing Complete in all respect and approved by Engineer Incharge.	1.00		Each	
6	N.S	Supply & installation Tandoor large size dia (25 Roti) complete in all respect and approved by Engineer inch.	1.00		Each	
7	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		Each	
8	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.	265.00		Per Sft	
					Total	
1	3/44	Plumbing Work 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.	10500.00		%oCft	
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	12720.00		%oCft	
3	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.	40.00			
		i) Plastic soap dish ii) Plastic toilet paper holder iii) Plastic tower rail iii) Plastic shelf 60x13 cm (24:x5") with bracket and railing iv) Looking glass with plastic frame	16.00 8.00 16.00 4.00 4.00		Each Each Each Each Each	
4	19/1	Providing and fitting glazed earthen ware water closet European type, excluding seat and cover:-	10.00		Each	

Item No.	REF. Nos	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
5	CH/ITE 19/2	Providing and fixing, double seat and cover only. Bakelite	10.00		Each	
6	19/4	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. coloured	18.00		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 ii) Under Counter Vanity Basin	6.00 24.00		Each 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		Each	
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 (ii) Lever Type Basin Mixer	90.00 24.00		Each Each	
		(iii) Double Bib Cock	6.00		Each	
		(iv) Muslim shower	10.00		Each	
		v) Open Type Wall Shower	20.00		Each	
10	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	4000.00 3500.00 1000.00		Per Rft Per Rft Per Rft	
11	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	8.00		Each	
		ii) 1-1/4" dia iii) 1.50" dia	4.00 4.00		Each Each	
		iv) 2" dia	2.00		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 1400.00 1000.00		Per Rft Per Rft Per Rft	
13	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				
		(i) 1-1/4"	500.00		Per Rft	
i	ĺ	(ii) 1"	1000.00	1	Per Rft	
		(iii) 1.50"	500.00		Per Rft	1

tem No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
14	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	60.00		Each	
		(b) Vent Cowel (i) 3" dia	10.00		Each	
15	19/13	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete.	18.00		Each	
16	21/1	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911:				
		Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete.	500.00		D#	
17	10/27	iii) 225 mm (9:) i/d	500.00		Rft	
17	19/27	Providing and fixing chromium plated bib cock:- 1.5 cm (½")	17.00		Each	
18	19/42	Providing and fitting chromium plated or oxidised, gas cock 6mm (1/4") Two way	5.00		Each	
		Electrical Work			Total	
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) 1.50" i/d (40 mm) ii) 2" i/d (50 mm)	650.00 950.00		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)	1000.00		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) 7/1.63 mm (7/0.064") ii) 19/1.32 mm (19/0.052") iii) 19/1.63 mm (19/0.064")	1600.00 1500.00 600.00		Per M Per M Per M	
4	24/13	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.l. 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") ii) 19/1.32 mm (19/0.052")	480.00 350.00		Per M Per M	
5	24/30	Supply and erection of ceiling rose, bakelite.	150.00		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 ii) 03 Gange iii) Three pin Light Plug 10/13 Amp iv) Fan Dimmer	10.00 10.00 300.00 90.00		Each Each Each Each	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
		v) Three Pin Power Plug 15-32 Amp	90.00		Each	
		Large i) 04 Gange	40.00		Each	
		ii) 05 Gange	30.00		Each	
		iii) 06 Gange	100.00		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	40.00		Each	
8	24/96	Suplying,Installation,testing and commissioning of				
J	2 1,70	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	3.00		Per Rft	
		(ii) 630 Amp	3.00		Per Rft	
		(iii) 1250 Amp	4.00 5.00		Per Rft	
		(iv) 1600 Amp	5.00		Per Rft	
					Total	
1	N.S	Electrical Work (Non-Schedule) Wiring of light or fan point from switch board to the point with 3-Nos of				
	14.0	1.5 mm² (3/0.029") single core PVC insulated copper conductor				
		cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 20mm (3/4")				
		PVC pipe i/c any accessories required at site. Complete in all respect				
		as directed and approved by the Engineer Incharge	800.00		□ ab	
			800.00		Each	
2	N.S	Circuit wiring from MCBs board to gang switch board/multi light plug with 3-Nos of 2.5 mm² (7/0.029") single core PVC insulated copper				
		conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden				
		strip batten/wooden casing an capping/G.I. wire/trenches in 25mm (1") PVC pipe i/c any accessories required at site. Complete in all respect				
		as directed and approved by the Engineer Incharge				
			275.00		Each	
3	N.S	Wiring of light or fan from point to point with 3-Nos of 1.5 mm ²				
		(3/0.029") single core PVC insulated copper conductor cables, in				
		prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 20mm (3/4") PVC pipe i/c any				
		accessories required at site. Complete in all respect as directed and				
		approved by the Engineer Incharge	60.00		Each	
4	N.S	Wiring of Multi/light plug from point to point with 3-Nos of 2.5 mm ² (7/0.029") single core PVC insulated copper conductor cables, in				
		prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden				
		casing an capping/G.l. wire/trenches in 20mm (¾") PVC pipe i/c any accessories required at site. Complete in all respect as directed and				
		approved by the Engineer Incharge				
			175.00		Each	
5	N.S	Circuit wiring from MCBs board to Power Plug with 3-Nos of 6 mm ²				
		(7/0.044") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden				
		casing an capping/G.I. wire/trenches in 25mm (1") PVC pipe i/c any				
		accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	125.00		Fach	
		AFF. 5. 50 57 till Eliginos, monargo	125.00		Each	
6	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)	300.00		Each	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
7	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)	30.00		Each	
8	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)	26.00		Each	
9	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)	45.00		Each	
10	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)	350.00		Each	
11	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		Each	
12	N.S	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	90.00		Each	
13	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)	4.00		Each	
14	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		Each	
15	N.S	Supply, installation, connection & commissioning of Main distribution boards, (DBs), Floor Standing design, made of M.S. Sheet 14 SWG with hinged door, handle, catchers and 2 coats of Approved paint, (Size 5'x6'x18") including Incoming Main MCCB (Adjustable Thermal-Magnetic/Electronic Trip 60/100%) 3-P, 630 A (70KA) 1.00 No, For DB-N (Main MCCB Adjustable Thermal-Magnetic/Electronic Trip 60/100%) 3-P, 400A (70KA) 1.00 No and distribution MCCB 3-P, 100A (36KA) 10.00 Nos) & for DB-E (Main MCCB Adjustable Thermal-Magnetic/Electronic Trip 60/100%) 3-P, 250A (35KA) 1.00 No and distribution MCCB 3-P, 63A (7.5KA) 10.00 Nos) respectively, Digital Volt, Selector switches, LED Phase lights, Earthing bar and any accessories required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Legrand, GE,Schneider, Siemens, Terasaki, ABB or equivalent)(Copper Busbar TP-N will be paid separately via MRS item as per measurement at site)	1.00		Each	
16	N.S	Supply, installation, connection & commissioning of distribution boards, (Sub Main DB-E), Recessed type Wall mounted design, made of M.S. Sheet 18 SWG with hinged glass door, handle, and 2 coats of Approved paint, (Size 18"x24") including Incoming Main Molded Case Circuit				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	V.11.1 E	Breaker of 3-P, 63 A (7.5 KA) 1.00 No, Distribution Miniature Circuit Breaker of 1-P, 6~40 A (6KA) 18.00 Nos, LED phase light volt meter type (RYB), Earthling bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Legrand, GE,Schneider, Siemens, Terasaki, ABB or equivalent).	10.00		Each	
17	N.S	Supply, installation, connection & commissioning of distribution boards, (Sub Main DB-N), Recessed type Wall mounted design, made of M.S. Sheet 18 SWG with hinged glass door, handle, and 2 coats of Approved paint, (Size 18"x24") including Incoming Main Molded Case Circuit Breaker of 3-P, 100A (25 KA) 1.00 No, Distribution Miniature Circuit Breaker of 1-P, 6~40A (6KA) 24.00 Nos, LED phase light volt meter type (RYB), Earthling bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Legrand, GE,Schneider, Siemens, Terasaki, ABB or equivalent).	10.00		Each	
18	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.	4.00		Each	
					Total	
1	7/30	External Civil Work Supplying and filling sand under floor; or plugging in wells.	2400.00		% 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	
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	5000.00		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	
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		Per Cft	
6	6/51	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. Without Painting 14" High	200.00		Per Rft	
					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	15850.00		%o Cft	

No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
2	21/1	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from				
		factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete. i) 225 mm (9") i/d	400.00		Per Rft	
3	6/3	ii) 6" i/d Cement concrete brick or stone ballast 1½ " to 2" (40 mm	75.00		Per Rft	
		to 50 mm) gauge, in foundation and plinth:- Ratio 1:4:8	600.00		% Cft	
4	7/4	Pacca brick work in foundation & plinth:- cement, sand mortar:- Ratio 1:4	550.00		% Cft	
5	11/9	Cement plaster 1:3 upto 20' (6.00 mm) height:- i) 3/4" thick ii) ½" thick	1500.00 1250.00		% 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	3500.00		%o Cft	
7	21/15A	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.	20.00		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)	1.00 2.00		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-10 (SDR-17) 3" (90mm)	350.00		Per Rft	
1	24/3	External 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. 1" i/d (25 mm)	2000.00		Total Per Rft	
2	24/10	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only). 250/440 volts, PVC insulated:7/1.12 mm (7/0.044")	4000.00		Per Rft	
3	24/18	Supply and erection of iron/aluminum clad, 500 volts main switches with kitkat fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including bonding to earth with necessary flexible pipe and thimbles, etc. Double pole:- 30/35 Amp.	3.00		Each	
4	3/1-b	Earthwork excavation underessed lead upto a single throw of Kassi, phaorah or shovel:- In ordinary soil.	4500.00		%o Cft	
5	24/13 d-xi	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG. 185 mm sq. (37/0.103)	200.00		Per M	

Item	REF.		_	Rate		
No.	Nos CH/ITE	Description of Items	Qty	(Rs.)	Unit	Amount (Rs.)
		Octagonal shape electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel, tappered from 225 mm at bottom to 100 mm at top,with 1500 mmx60 mm dia. arm for luminaire installation, duly G.I.welded with 470x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet,with built in junction box with shutter,i/c the cost of nuts & J-rag bolts, duly fixed in prelaid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer Incharge.				
7	24/69	Double Arm 10 mtr height Supplying, installation and commissioning of LED	20.00		Each	
,		Cobra-head Luminaries of specified wattage and lumens conforming to IP 65, Philips/Osram/Thorn with corrosion resistant die casted aluminum housing, silicon gas kit, thermally hardened glass complete with LED drivers, surge protection i/c the cost of all accessories/components required for proper operation, fully flexible for future upgradation and easy replacements for maintenance purposes, bucket elevator charges as approved and directed by the Engineer. 120 Lm/Watt	40.00		Englis	
8	24/105	120 Watt with 14400 Lumens 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	40.00		Each	
		200 KVA	1.00		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		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		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		Each	
4	N.S	Manufacturing and erection of galvanized angle iron lattice steel structure HT pole of size 34'-8" long using high tensile steel angle 1¾"x13/"x3/16" with MS angle iron and 1"x1"x½" and flat iron 2"x½"bracing, weighing 200±3%kg i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	1.00		Each	
5	N.S	Manufacturing and erection of galvanized angle iron lattice steel structure LT pole of size 30'-8" long using high tensile steel angle 1½"x1½"x3/16" with MS angle iron and 1"x1"x½" and flat iron 2"x½"bracing, weighing 130±3%kg i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	1.00		Each	
6	N.S	Supply and installation of Double pole Plate Farm for 200KVA Transformer (Rs.Joist size 4"x8" with cross, welding, nut bolts i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	1.00		Each	
		, , ,	1.30			
					Total	

Item	REF.			Rate		
No.	Nos	Description of Items	Qty	(Rs.)	Unit	Amount (Rs.)
140.	CH/ITE			(113.)		

Work No.08

The Islamia University of Bahawalpur Construction of Boys Hostel at Baghdad-ul-Jadeed Campus

MRS Jul to Dec. 2021

					MRS Ju	ul to Dec, 2021
No.	Reff.	Description	Quantity	Rate	Unit	Amount
1	3/21	Civil Work Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead 'upto one chain (30 m) and lift upto 5 ft. (1.5 m). b) In ordinary soil.	80500.00		%o Cft	
2	3/13	Rehandling of earthwork: Upto a lead of 50 ft. (15 m).	18500.00		%o Cft	
3	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4 ii) Ratio 1:4:8	3700.00 6850.00		% 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	4500.00		% 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 respect .as approved by the Engineer Incharge	40796.00		Per Sft	
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 Type C (nominal mix 1: 2: 4)	500.00		Per Cft	
7	7/4	Pacca brick work in foundation and plinth in:- Cement, sand mortar: Ratio 1:6	31500.00		% Cft	
8	6/35	Providing and laying damp proof course of cement concrete 1:2: 4 (using cement, sand and shingle), including bitumen coating:- with one coat bitumen and one coat polythene sheet 500 gauge. 2" thick (50 mm)	4700.00		% Sft	
9	6/35	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- with one coat of bitumen and one coat of polythene sheet 500 gauge: Ratio 1:3 ¾ " thick (20 mm)	3150.00		% Sft	
10	3/15	Filling, watering and ramming earth under floors:- i) with surplus earth from foundation, etc. ii) with new earth excavated from outside,lead upto 1/4	97500.00		%o Cft	
		mile	1500.00		%o Cft	
11	3/17	Transportation of earth all types when the total distance, including the lead covered in the item of work,is more than 1000 ft.(300 m) 'upto ¼ mile (400 m). for every 330 ft. (100 m) additional lead or part thereof, beyond ¼ mile (400 m) upto one mile. (1.60 Km.)	112000.00		%o Cft	
12	3/24 a+b	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		%o Cft	
13	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	26500.00 27500.00 3400.00		% Cft % Cft % Cft	
14	7/5	Pacca brick work in Cement, sand mortar:- Ratio 1:4 i) Ground Floor (for 4.5" thick wall)	700.00		% Cft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
		ii) First Floor ii) Second Floor	980.00 850.00		% Cft % Cft	
15	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	
16		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	65500.00 45700.00 23600.00		% Sft % Sft % Sft	
17	26/37	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. 500 gauge (.005" thick)	29500.00		Per Sft	
18	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) deformed bars i) Deformed Bar 40-Grade ii) Deformed Bar 60-Grade	250.00 75500.00		% Kg % Kg	
19	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) iii) Type C (nominal mix1:2:4) Ground Floor iv) Type C (nominal mix1:2:4) First Floor	8500.00 7650.00 1200.00 1200.00		Per Cft Per Cft Per Cft	
20	7/30	Supplying and filling sand under floor; or plugging in wells	52000.00		% Cft	
21	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.	12000.00		% Cft	
22	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 2" thick	13500.00		% Sft	
23	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. Second Floor (add 6% on composite rate)	13500.00		% Sft	
24	12/50	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		Per Sft	
25	25/51	Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/s Al-Cop or Pakistan 'Cables, having chowkat frame of size 40 x 100 mm (1½" x '4") and leaf frame of 60x40mm (2½"x1½") wide 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. 2mm thickness	400.00		Per Sft	
26		Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of M/s Al-Cop or Pakistan 'Cables having frame size of 100 x 20 mm (4"x3/4") and 'leaf frame sections				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	<u> </u>	of 50 x 20 mm (2"x¾"), all of 2mm 'thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	3250.00		Per Sft	
27	25/53	Providing and fixing Aluminum Fly screen comprising of Fiber/ Aluminum wireguaze (Malasian) fixed in aluminum frame of approved manu facturer brownze Colour/powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge.	1250.00		Per Sft	
28	10/18	Extra labour for each storey above ground, for mosaic,conglomerate, tiles, stone and wooden floor.	6500.00		% Sft	
29	25/10 +11	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, 'tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including erection in position.	890.00		% Kg	
30	13/31	Preparing surface & painting with 3 coats Emulsion paint complete in all respects	112600.00		% Sft	
31	13/5	Painting new surface: Preparing surface and painting of doors and windows any type (including edges):- 3 coats	4800.00		% Sft	
32	13/32 A	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: new surface 2 coats				
	+13/39	i) upto 20' height ii) 20' to 30 height	17800.00 18300.00		% Sft % Sft	
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/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 1.50" thick 40mm	120.00		Per Sft	
34	13/43	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. Matt Finish	280.00		Per Sft	
35	10/15	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- 3" thick	3200.00		% Sft	
36	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. iron sliding bolt, 12" (300 mm) long	90.00		Each	
37	10/40	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½"x3/8" (40x10mm)	1650.00		Per Rft	
38	9/15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	20.00		Each	
39	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	3500.00		P/Sft	
40	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	550.00		Per Rft	
41	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				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	OI //IIE	at one Cft. per %Sft. (0.003 cu.m per sq.m)	500.00		% Sft	
42	6/30	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		Per Rft	
43	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)	19500.00		% Cft	
44	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	29500.00		Per Sft	
45	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		Per Sft	
46	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		Per Sft	
47	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		Per Rft	
48	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		Each	
49	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	2500.00		Per Sft	
50	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"	2250.00		Per Sft	
51	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"	6300.00		Per Sft	

Item No.	REF. Nos	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
52	CH/ITE 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	4000.00	-	Per Sft	
53	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.	125.00		Per Sft	
54	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 Floor Mounted Cabinet)	4750.00		Per Sft	
55	12/58	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. (for Wall Mounted Cabinet) 1-1/2' deep,with back	150.00		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 11/4" x 1"and 1 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.	500.00		Per Sft	
57	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) 10.50 " wide ii) 5.5 " wide	2400.00 650.00		Per Sft Per 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.	10.00		Each	
59	25/62	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		Per Sft	
60	18/23	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 @ 4" c/c, including painting charges etc complete in all respect.	200.00		Per Sft	
61	7/38	Providing and laying fair face Gutka cladding laid in (1:2)				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	O.W.I.E.	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"	22500.00		Per Sft	
62	12/57	Providing and fixing ornamental wooden architrave 3" x (1½" tapered to ½") all along the door frame complete in all respects Deodar wood architrave	1020.00		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.	28500.00		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	68088.00		Per Cft	
3	N.S	Providing and fixing 1½" (40mm) thick uPVC flush door of approved design & make, all hardware/ accessories chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect as approved by the engineer incharge	540.00		Per Sft	
4	N.S	Supply & installation Burner 36 Nozel with casing & round iron plate (pan) Complete in all respect and approved by Engineer Incharge.	5.00		Each	
5	N.S	Supply & installation Burner 24 Nozel with casing Complete in all respect and approved by Engineer Incharge.	1.00		Each	
6	N.S	Supply & installation Tandoor large size dia (25 Roti) complete in all respect and approved by Engineer inch.	1.00		Each	
7	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		Each	
8	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.	265.00		Per Sft	
		Disambin a Work			Total	
1	3/44	Plumbing Work 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.	10500.00		%oCft	
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	12720.00		%oCft	
3	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 ii) Plastic toilet paper holder	16.00		Each	
1		ii) Plastic toilet paper holder	8.00	1	Each	l

Item No.	REF. Nos	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	CH/ITE	iii) Plastic tower rail	16.00		Each	
		iii) Plastic shelf 60x13 cm (24:x5") with bracket and railing	4.00		Each	
		iv) Looking glass with plastic frame	4.00		Each	
	40/4					
4	19/1	Providing and fitting glazed earthen ware water closet				
		European type, excluding seat and cover:- coloured	10.00		Each	
		Solicarea	10.00		Lacii	
5	19/2	Providing and fixing, double seat and cover only. Bakelite	10.00		Each	
	40/4					
6	19/4	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest.				
		coloured	18.00		Each	
		Solication	. 5.55			
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.	6.00		Each	
		i) white, with pedestal ii) Under Counter Vanity Basin	6.00 24.00		Each	
		ii) Onder Counter variity basiii	24.00		Lacii	
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		Each	
9	19/52	Providing and fixing CP bath Room Set made of				
	10/02	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		Each	
		(ii) Lever Type Basin Mixer	24.00		Each	
		(iii) Double Bib Cock	6.00		Each	
		(iv) Muslim shower	10.00		Each	
		v) Open Type Wall Shower	20.00		Each	
10	23/47	Providing, laying, testing and commissioning of				
'0	20/17	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	4000.00		D D#	
		(i) (3/4") 25 mm (ii) (1") 32 mm	4000.00 3500.00		Per Rft Per Rft	
		(ii) (1 / 32 min (iii) (1-1/4") 40 mm	1000.00		Per Rft	
		[```	-			
11	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.				
		as approved and anosted by the Engineer monarge.				
		i) 1" dia	8.00		Each	
		ii) 1-1/4" dia	4.00		Each	
		iii) 1.50" dia	4.00		Each	
		iv) 2" dia	2.00		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.				
		The state of the s				
		Type (SDR 41/SN-4)				
		i) 3"(90 mm)	500.00		Per Rft	
		ii) 4"(110 mm) iii) 6" (160 mm)	1400.00 1000.00		Per Rft Per Rft	
			.000.00		. 01 101	
1	I	ı		1	I	ı l

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
13	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 (i) 1-1/4" (ii) 1" (iii) 1.50"	500.00 1000.00 500.00		Per Rft Per Rft Per Rft	
14	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	60.00		Each	
15	19/13	(i) 3" dia Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper	10.00		Each	
16	21/1	connection, etc. complete. 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:	18.00		Each	
		Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete. iii) 225 mm (9:) i/d	500.00		Rft	
17	19/27	Providing and fixing chromium plated bib cock:- 1.5 cm (½")	17.00		Each	
18	19/42	Providing and fitting chromium plated or oxidised, gas cock 6mm (1/4") Two way	5.00		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) 1.50" i/d (40 mm) ii) 2" i/d (50 mm)	650.00 950.00		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)	1000.00		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:	1,400,000		PortA	
		i) 7/1.63 mm (7/0.064") ii) 19/1.32 mm (19/0.052") iii) 19/1.63 mm (19/0.064")	1600.00 1500.00 600.00		Per M Per M Per M	
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")	480.00		Per M	
5	24/20	ii) 19/1.32 mm (19/0.052")	350.00 150.00		Per M Each	
	24/30	Supply and erection of ceiling rose, bakelite.	130.00		Lucii	

tem No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
6		P/F PVC double layer Switch kit Faceplate with specified				
		switch holes i/c the cost of switches / sockets / dimmer			1	
		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		Each	
		ii) 03 Gange	10.00		Each	
		'	300.00		Each	
		iii) Three pin Light Plug 10/13 Amp				
		iv) Fan Dimmer	90.00		Each	
		v) Three Pin Power Plug 15-32 Amp	90.00		Each	
		Large			1	
		i) 04 Gange	40.00		Each	
		ii) 05 Gange	30.00		Each	
		iii) 06 Gange	100.00		Each	
					1	
7	24/102	Providing and fixing Copper winded Exhaust fan with louver			1	
		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			1	
		i) 12" dia	40.00		Each	
		,	.0.00			
8	24/96	Suplying,Installation,testing and commissioning of			1	
-	., , ,	415-Volt ,4 Pole (TP+N) compact Copper Busway (Bus Tie			1	
		Duct B.T.D) of specified size/rating comprising of 10 mm				
		thick sandwitch copper Bus bars,insulated with non-				
		l				
		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	3.00		Per Rft	
		(ii) 630 Amp	3.00		Per Rft	
		(iii) 1250 Amp	4.00		Per Rft	
		(iv) 1600 Amp	5.00		Per Rft	
		(iv) rood rump	0.00		1 01 1111	
					Total	
		Electrical Work (Non-Schedule)				
1	N.S	Wiring of light or fan point from switch board to the point with 3-Nos of				
		1.5 mm² (3/0.029") single core PVC insulated copper conductor				
		cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip				
		batten/wooden casing an capping/G.I. wire/trenches in 20mm (3/4")				
		PVC pipe i/c any accessories required at site. Complete in all respect			1	
		as directed and approved by the Engineer Incharge				
			800.00		Each	
_		Circuit white a favor MCD				
2	N.S	Circuit wiring from MCBs board to gang switch board/multi light plug			1	
		with 3-Nos of 2.5 mm² (7/0.029") single core PVC insulated copper				
		conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 25mm (1")				
		PVC pipe i/c any accessories required at site. Complete in all respect			1	
		as directed and approved by the Engineer Incharge			1	
			275.00		Each	
			2, 0.00			
3	N.S	Wiring of light or fan from point to point with 3-Nos of 1.5 mm ²			1	
-		(3/0.029") single core PVC insulated copper conductor cables, in				
		prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden				
		casing an capping/G.I. wire/trenches in 20mm (3/4") PVC pipe i/c any				
		accessories required at site. Complete in all respect as directed and			1	
		approved by the Engineer Incharge				
			60.00		Each	
4	N.S	Wiring of Multi/light plug from point to point with 3-Nos of 2.5 mm ²			1	
		(7/0.029") single core PVC insulated copper conductor cables, in			1	
		prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden				
		casing an capping/G.I. wire/trenches in 20mm (¾") PVC pipe i/c any				
		accessories required at site. Complete in all respect as directed and			1	
		approved by the Engineer Incharge	475.00		F	
		1	175.00		Each	Ī

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
5	N.S	Circuit wiring from MCBs board to Power Plug with 3-Nos of 6 mm² (7/0.044") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 25mm (1") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	125.00		Each	
6	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)	300.00		Each	
7	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)	30.00		Each	
8	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	20.00		Fach	
9	N.S	Engineer Incharge (Philips BVP 151 or Equivalent) 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)	26.00 45.00		Each Each	
10	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)	350.00		Each	
11	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		Each	
12	N.S	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	90.00		Each	
13	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)	4.00		Each	
14	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		Each	
15	N.S	Supply, installation, connection & commissioning of Main distribution boards, (DBs), Floor Standing design, made of M.S. Sheet 14 SWG with hinged door, handle, catchers and 2 coats of Approved paint, (Size 5'x6'x18") including Incoming Main MCCB (Adjustable Thermal-Magnetic/Electronic Trip 60/100%) 3-P, 630 A (70KA) 1.00 No, For DB-N (Main MCCB Adjustable Thermal-Magnetic/Electronic Trip 60/100%) 3-P, 400A (70KA) 1.00 No and distribution MCCB 3-P, 100A (36KA) 10.00 Nos) & for DB-E (Main MCCB Adjustable Thermal-Magnetic/Electronic Trip 60/100%) 3-P, 250A (35KA) 1.00 No and distribution MCCB 3-P, 63A (7.5KA) 10.00 Nos) respectively, Digital Volt, Selector switches,				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	J. 11.11.	LED Phase lights, Earthing bar and any accessories required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Legrand, GE,Schneider, Siemens, Terasaki, ABB or equivalent)(Copper Busbar TP-N will be paid separately via MRS item as per measurement at site)	1.00		Each	
16	N.S	Supply, installation, connection & commissioning of distribution boards, (Sub Main DB-E), Recessed type Wall mounted design, made of M.S. Sheet 18 SWG with hinged glass door, handle, and 2 coats of Approved paint, (Size 18"x24") including Incoming Main Molded Case Circuit Breaker of 3-P, 63 A (7.5 KA) 1.00 No, Distribution Miniature Circuit Breaker of 1-P, 6~40 A (6KA) 18.00 Nos, LED phase light volt meter type (RYB), Earthling bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Legrand, GE,Schneider, Siemens, Terasaki, ABB or equivalent).	10.00		Each	
17	N.S	Supply, installation, connection & commissioning of distribution boards, (Sub Main DB-N), Recessed type Wall mounted design, made of M.S. Sheet 18 SWG with hinged glass door, handle, and 2 coats of Approved paint, (Size 18"x24") including Incoming Main Molded Case Circuit Breaker of 3-P, 100A (25 KA) 1.00 No, Distribution Miniature Circuit Breaker of 1-P, 6~40A (6KA) 24.00 Nos, LED phase light volt meter type (RYB), Earthling bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Legrand, GE,Schneider, Siemens, Terasaki, ABB or equivalent).	10.00		Each	
18	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.	4.00		Each	
					Total	
1	7/30	External Civil Work Supplying and filling sand under floor; or plugging in wells.	2400.00		% 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	
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	5000.00		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	
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		Per Cft	
6	6/51	Providing and fixing precast Edge Kerb Stone (4"to 6"				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	CHITE	thick), of 3500 PSI Compressive Strength, embeded in PCC 1:2:4 over lean concrete 1:4:8 etc complete in all respect. Without Painting 14" High	200.00		Per Rft	
					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	15850.00		%o Cft	
2	21/1	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from				
		factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete. i) 225 mm (9") i/d ii) 6" i/d	400.00 75.00		Per 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	
4	7/4	Pacca brick work in foundation & plinth:- cement, sand mortar:- Ratio 1:4	550.00		% Cft	
5	11/9	Cement plaster 1:3 upto 20' (6.00 mm) height:- i) 3/4" thick ii) ½" thick	1500.00 1250.00		% 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	3500.00		%o Cft	
7	21/15A	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.	20.00		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)	1.00 2.00		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-10 (SDR-17) 3" (90mm)	350.00		Per Rft	
1	24/3	External 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. 1" i/d (25 mm)	2000.00		Total Per Rft	
2	24/10	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only). 250/440 volts, PVC insulated:7/1.12 mm (7/0.044")	4000.00		Per Rft	
3	24/18	Supply and erection of iron/aluminum clad, 500 volts main switches with kitkat fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including bonding to earth with necessary flexible pipe and thimbles, etc.				
l	I	Double pole:- 30/35 Amp.	3.00		Each	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
4	3/1-b	Earthwork excavation underessed lead upto a single throw of Kassi, phaorah or shovel:- In ordinary soil.	4500.00		%o Cft	
5	24/13 d-xi	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.l. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.l. wire 16 SWG. 185 mm sq. (37/0.103)	200.00		Per M	
6	24/68	Supplying,installation testing and commissioning of Octagonal shape electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel, tappered from 225 mm at bottom to 100 mm at top,with 1500 mmx60 mm dia. arm for luminaire installation, duly G.I.welded with 470x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet,with built in junction box with shutter,i/c the cost of nuts & J-rag bolts, duly fixed in prelaid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer Incharge. Double Arm 10 mtr height	20.00		Each	
7	24/69 C-v-i	Supplying, installation and commissioning of LED Cobra-head Luminaries of specified wattage and lumens conformimg to IP 65, Philips/Osram/Thorn with corrosion resistant die casted aluminum housing, silicon gas kit, thermally hardened glass complete with LED drivers, surge protection i/c the cost of all accessories/components required for proper operation, fully flexible for future upgradation and easy replacements for maintenance purposes, bucket elevator charges as approved and directed by the Engineer. 120 Lm/Watt	10.00			
8	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 200 KVA	40.00		Each	
			1.00		Each	
		External Electrical (Non Schodule)			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		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		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		Each	
4	N.S	Manufacturing and erection of galvanized angle iron lattice steel structure HT pole of size 34'-8" long using high tensile steel angle 1¾"x1¾"x3/16" with MS angle iron and 1"x1"x¼" and flat iron 2"x½"bracing, weighing 200±3%kg i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	1.00		Each	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
5	N.S	Manufacturing and erection of galvanized angle iron lattice steel structure LT pole of size 30'-8" long using high tensile steel angle 1¼"x1¼"x3/16" with MS angle iron and 1"x1"x½" and flat iron 2"x¼"bracing, weighing 130±3%kg i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	1.00		Each	
6	N.S	Supply and installation of Double pole Plate Farm for 200KVA Transformer (Rs.Joist size 4"x8" with cross, welding, nut bolts i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	1.00		Each	
					Total	