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-AN	NUAL-2022 (1st JANUARY-2022 to 30th JUNE -2022) DISTRIC	T BAHAWALPUR	1		
		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	
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 item 15(i)	i) with surplus earth from foundation, etc.	211,708.88		1000 Cft	
5	CH:3 item 2+17	Earthwork excavation in ashes, sand and soft soil or silt clearance, undressed lead upto 2 km (2000 metre).	421,600.00		1000 Cft	
6	CH:3 item 25	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.	248,708.88		1000 Cft	
		Anti-Termite	240,700.00		1000 Cit	
7	item 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	200,410.44		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.):-	,			
(a)(iii) P-4	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)	74,552.10		Per Cft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
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:				
		Type B (nominal mix 1:1-1/2:3)				
		Upto 9" thick (Avg)	3,000.00		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;-	5,00000			
		GROUND FLOOR				
	(a)(i)(2)	Type B (nominal mix 1: 1½: 3)	96,725.46		Per Cft	
		FIRST FLOOR				
((a)(i)(2)+(d	Type B (nominal mix 1: 1½: 3)	64,500.00		Per Cft	
		MUMTY	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
(a	a)(i)(2)+(dx	Type B (nominal mix 1: 1½: 3)	6,914.72		Per Cft	
		Carriage	0,0 1			
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)	240,070.00		% 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)				
13	CH:6	Providing and laying damp proof course of cement concrete 1:2:	698,500.00		100Kg	
	item 35 (b)(i)	4(using cement, sand and shingle), b) with 2 coats of bitumen :- i) 1½" thick (40 mm)	189.20		100 Sft	
14	item 27	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:-	109.20		100 011	
	a)	On interior surface (without mastic strip)	722.40		Per/Rft	
	b)	On exterior surface (with mastic strip)	729.23		Per/Rft	
15		Providing and fixing thermopore (foamed polythene) sheet in horizontal and vertical expansion joints:				
		b) 1½" (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	0,102.00		1 01 011	
17		Pacca brick work in foundation and plinth in:-Cement, sand mortar:-Ratio 1:6	18,162.00		100 Cft	
18		Pacca brick work in foundation and plinth in:-Cement, sand mortar:-Ratio 1:4	2,175.76		100 Cft	
19		GROUND FLOOR Pacca brick work in ground floor :- Cement, sand mortar:-Ratio 1:6	65,374.00		100 Cft	
20	CH:7	Pacca brick work in ground floor :- Cement, sand mortar:-Ratio 1:4	2,049.86		100 Cft	
0.1	01 -	FIRST FLOOR				
21	item 5 (i)	Pacca brick work in first floor:- Cement, sand mortar:-Ratio 1:6 Pacca brick work in first floor :-	64,428.00		100 Cft	
	-	Cement, sand mortar:-Ratio 1:4	2,049.86		100 Cft	
		MUMTY				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
23	Ch-7 item 5 (i)	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	10,001101		100 0.1	
26	Ch-7	Supplying and filling sand under floor; or plugging in wells				
27	item 30	Providing, laying, watering and ramming brick ballast 1½ to	25,727.39		100 Cft	
27	Ch-10 item 3 P-70	2"(40 mm to 50 mm) gauge mixed with 25 % sand, for floor foundation, complete in all respects	42 225 00		100.04	
28	Ch-10	Providing and fixing marble strip of any shade for dividing the	42,235.08		100 Cft	
	(a)	mosaic flooring into panels a) Size 1½" x 3/8" (40 x 10 mm)	4 070 07		D D(1	
29	P-74 Ch-10	Providing and laying Tuff pavers ,having 7000 PSI, crushing	1,873.37		Per Rft	
		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				
30	Ch-10	Describing and leaving according to the Paraclein placed the	7,875.00		P.Sft	
30		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	82,500.00		P.Sft	
		(ii) 600mmx 600 mm	35,500.00		P.Sft	
31	item 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.				
		(i) 400 mm x 400 mm	32,118.50		P.Sft	
		(ii) 600mmx 600 mm	2,770.85		P.Sft	
32		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.				
33	Ch 10	China Verona Extra for Bevelling charges of marble edge in approved	3,048.00		P.Sft	
33		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	
34	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	
35		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	
36	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.				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	0.11.1.2	12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	2,400.00		P.Sft	
37		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				
38	item 10	Cement plaster ratio 1:3 under soffit of RCC roof slabs only , upto 20' height. 3/8" (10 mm) thick. (ceiling plaster)	70 179 72		100 Sft	
39	Ch-11	Cement plaster 1:4 on internal walls upto 20' (6 m) height, 1/2"	79,178.73		100 Sft	
	item 9 (b) P-78	(13 mm) thick.	349,822.91		100 Sft	
40	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	
41	Ch-11	Cement plaster 1:4 on external walls upto 30' (9 m) height, 3/4"	17,000.33		100 311	
	item 9 (c) & 28	(20 mm) thick.				
42	Ch-11	Cement plaster 1:4 on external walls upto 40' (12 m) height, 3/4"	3,788.40		100 Sft	
	item 9	(20 mm) thick.				
	(c) &		14,165.55		100 Sft	
	01.10	Wood Work & Door Chowkat				
43	item 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. iii) brass sliding bolt, 10" (250 mm) long				
		in) brace chang bott, 10 (200 min) long	416.00		Each	
44		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.	40.475.00		D. 06	
			12,175.00		Per Sft	
45		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				
46		Preparing surface and painting with emulsion paint:- 3 Coats New Surface	456,830.79		100 Sft	
47	item 32A	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:- 2 Coats New Surface				
48	Ch-13 item 7	French polishing complete:- on new work	37,403.42 24,351.60		100 Sft	
	ILCIII I		۲,001.00		100 011	

Item No	EF. los l/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
item (c)	m 45 c) P- 65	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	
iten P-6 + Ch ite 37(ii	em 5 2-60 Ch-26	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	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
51	CH/ITE Ch-9 item 15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm).		()	<u> </u>	
52	Ch-9 item 16	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	
	P-62	Miscellenious	52.00		Each	
53		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.	0.000.00		Day Off	
54	Ch-25	(i) 3/8" Squar Bars	9,800.00		Per Sft	
01	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.	9,800.00		Per Sft	
55	Ch-25 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.	5,000.00		Per Sft	
56	Ch-25 item 64 P-209	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.				
57	Ch-12		400.00		Per Sft	
37	item 62 P-92	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	
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	120.00		Per Sft	
59	Ch-9 item 48 (iii) P-68	sides, galvanized tee 1½" x 1"and 1½" x 1" both at 4' c/c (made of Taiwan CKM or equivalent), hanging with G.I/Copper wire 16 SWG, G.I hook, Rawal Plug etc: complete in all respects as approved and directed by the Engineer Incharge.				
		9 mm thick	38,500.00		Per Sft	
60	item 66	Providing and fixing 2.00 ft deep M.Steel Lockers (Wardrobes) 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 Incharge.	200.00		Per Sft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
61	Ch-12 item 7-(b-iii) P-83	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 Oak/Ash wood Door, 1.50" thikc (40mm)	400.00		D. 0%	
			120.00		Per Sft	
62	Ch-12 item 43	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	
		Total "A"(Schedule items) C/o to Summary of Cost:				
		NON SCHEDULE ITEMS-B				
		Flooring				
		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.				
			216,657.10		Per/Cft	
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.	1,176.00		Per/Sft	
3	N.S	Providing and fixing Handle lock (Hiluke/DAF/Khas or				
3	IV.S	equivalent), complete in all respect as per specification and as approved by the Engineering Incharge.	350.00		Each	
4	N.S	Providing & Fixing Looking Glass 5-mm thick best				
4	14.5	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				
3	IN.O	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.)
MRS,	1st BI-Al	NNUAL-2022 DISTRICT BAHAWALPUR				
		Schedule Items (A)				
		Plumbing Fixtures				
1	Ch 19 item 23/P- 129	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	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	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
2	Ch 19 item 1/P-	Providing and fitting glazed earthen ware water closet European type, excluding seat and cover:-				
	127	coloured	20	<u> </u>	Each	
3	Ch 19	Providing and fixing, double seat and cover only. Bakelite	20		Lacii	
	item 2/P-					
	127		20		Each	
4	Ch 19	Providing and fitting glazed earthen ware water closet, squatter				
	item 4/P- 127	type (Orisa pattern), combined with foot rest.				
	01.40	coloured	32		Each	
5		Providing and fitting glazed earthen ware wash hand basin				
	127	56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.				
	121	i) white, with pedestal	20		Each	
		ii) Under Counter Vanity Basin	64		Each	
6	Ch 19	Providing and fixing stainless steel sink with drain board, size				
		120x60 cm (48"x24") including bracket set, waste pipe and waste coupling.	8		Each	
7	Ch 19	Providing and fixing CP bath Room Set made of				
	item	Sonex/Master/Faisal comprising of 3-No Tee stop cocks, lever				
		type Basin Mixer, double Bib Cock, open wall shower, Muslim				
	134	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	
		(ii) Lever Type Basin Mixer	84		Each	
		(iii) Double Bib Cock	16		Each	
		(iv) Muslim shower	92		Each	
8	Ch 23	Providing, laying, testing and commissioning of				
	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).				
		PN-20 pipe				
		(i) (3/4") 25 mm	715		Per Rft	
		(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		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				
	160	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	Ch 19	Providing, fixing, testing and commissioning of μ-PVC				
	item	(Unplasticized polyvinyl Chloride) Nikasi/ waste pipe make of			1	
		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.			1	
-		Type (SDR 41/SN-4)		<u> </u>	1	
		i) 3" (90 mm)	1500		Per Rft	
		ii) 4"(110 mm)	2000		Per Rft	
		iii) 6" (160 mm)	900	<u> </u>	Per Rft	
		iv) 7.50" (200 mm)	500		Per Rft	
11	Ch 19	Providing, laying, testing and commissioning underground				
	item	Yellow Polyethelene flexible gas pipe Tubing of required			1	
	49/P-	IPS(Iron Pipe Size) in the trenches , made of (Dadex/ Popular /				
	132	Beta/ BBJ) for Gas supply i/c the cost of solvent and specials			1	
		complete as approved and directed by the Engineer Incharge.			1	
		CDD 44		ļ	1	
—		SDR-11 (i) 1-1/4"	620		Per Rft	
		(ii) 1-1/4 (ii) 1"	1288		Per Rft	
		Sewerage System	1200	†	. 5. 14.1	
	·			1	1	ı

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
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-Trap				
		(i) 4" dia	175		Each	
		(b) Vent Cowel				
		(i) 3" dia	20		Each	
12	Ch 19	Providing and fitting plastic made low down flushing cistern				
	item 13	13.63 litre (3 gallons) capacity, including bracket set, copper				
		connection, etc. complete.	32		Each	
		Total "A"(Schedule iten	ns) C/o to Sumn	nary of Cost:		

EXTERNAL PUBLIC HEALTH WORK

Item No.	REF. Nos	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
		INUAL-2022 DISTRICT BAHAWALPUR	·	(1101)		
		Schedule Items (A)				
		Water Supply System (For Pipe Line)				
1	Ch.3	Excavation of trenches in all kinds of soil, except cutting rock, for				
	Item	watersupply pipelines upto 5 ft. (1.5 m) depth 8.1 after laying of				
	44/P-33	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)				
		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:-				
	01.0	(FOR PIPES)				
2		i) 0 ft. to 7.0 ft. (0 to 2.10 m) depth				
	item					
	42(i)/P- 32		5050		1000 Cft	
3	<u>3∠</u> Ch 7	Supplying and filling sand under floor; or plugging in wells	3030		1000 Cit	
٦	item	Supplying and miling sand under moor, or plugging in wells				
	30/P-59		1011		100 Cft	
	00/1 00		1011		100 010	
4	Ch 23	Providing, laying, testing and commissioning of				
	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).				
		PN-20 pipe	0070		D D(1	
_	Ol- 00	(2") 63 mm	2070		Per Rft	
5		Providing and fixing CP heavy duty brass Ball valve with CP				
	item	handle of specified diameter made of Faisal/Sonex / Master				
	46/P-	best quality or equivalent complete in all respect as				
	160	approved and directed by the Engineer Incharge.				
\vdash		ii) 2-1/2" dia	1		Each	
6	Ch 19	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)				
		iii) 6" (160 mm)	949		Per Rft	
		iv) 7.50" (200 mm)	583		Per Rft	
		Taran HANZA I I I I	> 0/- 4 - 0			
		Total "A"(Schedule iten	is) C/o to Summ	ary of Cost		

No	Reff.	Description	Quantity	Rate	Unit	Amount
		Electrical Work				
1	24/3	Supply and erection of PVC pipe for wiring recessed in walls,				
		including inspection boxes, pull boxes, hooks, cutting				
		ibarries and renairing surface etc. complete with all specials				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	<u> </u>	i) 3/4" i/d (20 mm)	13704.00		Per M	
		ii) 1" i/d (25 mm) iii) 1.50" i/d (40 mm)	6669.00 1800.00		Per M Per M	
		iv) 2" i/d (50 mm)	2000.00		Per M	
2	24/6	Supply and erection of PVC pipe for recessed wiring main and				
	ii	submain) purpose, i/c bends, specials etc in floor, walls or				
		trenches: 3" i/d (80 mm)	2500.00		Per M	
			2300.00		1 CI IVI	
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")	41112.00		Per M	
		ii) 7/0.74 mm (7/0.029")	10864.00		Per M	
		iii) 7/0.91 mm (7/0.036")	16816.00		Per M	
		iv) 7/1.12 mm (7/0.044") v) 7/1.63 mm (7/0.064")	480.00 400.00		Per M Per M	
		vi) 19/1.32 mm (19/0.052")	4500.00		Per M	
		vii) 19/1.63 mm (19/0.064")	4000.00		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 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	
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				
-	24,100	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			l	
		i) 02 Gange ii) 03 Gange	20.00 20.00		Each Each	
		iii) Three pin Light Plug 10/13 Amp	700.00		Each	
		iv) Fan Dimmer	200.00 320.00		Each Each	
		v) Three Pin Power Plug 15-32 Amp Large	320.00		Eacii	
		i) 04 Gange	142.00		Each	
		ii) 05 Gange iii) 06 Gange	50.00 220.00		Each Each	
_	0.4/4.00					
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				
0	24/95	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	7.00		Per Rft	
		(ii) 630 Amp	7.00		Per Rft	
		(iii) 1250 Amp	6.00		Per Rft	
		(iv) 1600 Amp	8.00		Per Rft	
		Electrical Work (Non Schodule)			Total	
1	N.S	Electrical Work (Non-Schedule) Supply & installation of LED 24W Down Light (Surface				
	"."	Mounted, 220V~) i/c any accessories required at site.				
		Complete in all respect as directed and approved by the				
		Engineer Incharge (Philips Meson or Equivalent)	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]	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	O.IIII	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	
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	150.00		Each	
		Equivalent)				
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				
10	N.S	or Equivalent) 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	14.00		Each	
		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				

Item	REF.	5	•	Rate		A
No.	Nos CH/ITE	Description of Items	Qty	(Rs.)	Unit	Amount (Rs.)
	<u> </u>	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 including copper strip 14" x 2" x 1/4" (350 x 50 x 6 mm) connecting with 1 Nos.bare copper wire of No.8 SWG to be run in PVC pipe 20mm i/d, 1½" i/d GI pipe 5' long, GI tee & plug for watering also includs common salt, Lime (slaked) & charcoal around copper strip I/c connecting with Electric machine. Complete in all respects as approved and as directed by the engineer incharge.	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) includding 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) inclulding 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	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
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	1.00		Each	
		12 2010	1.00		EdCII	
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 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				
		400 KVA	2.00		Each	
		External Electrical (Non Schodule)			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)	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	
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				
	IV.O	structure pole with galvanized steel bracing & bolts i/c any accessories				

Work No.02

The Islamia University of Bahawalpur

Total

required at site. Complete in all respect as directed and approved by the Engineer Incharge.

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

		Civil Work			MRS Ja	an to Jun, 2022
No	Reff	Description	Quantity	Rate	Unit	Amount
1	3/21	Excavation in foundation of building, bridges and other				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	OII/IIE	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 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) ii) Deformed bars (Grade-40)	205000.00 26871.02		% 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)	18580.00 975.00		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) (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	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
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	31053.00		% Sft	
17	26/37	Supplying and laying polythene sheet over D.P.C. under 'floors				
18	6/16	and on roofs, etc. 500 gauge (.005" thick) Providing and fixing ornamental cement jali 2"	31053.00 2046.00		Per Sft Per Sft	
10	0/10	(50 mm) thick (1: 2: 4), without steel.	2040.00		rei Sit	
19	10/40	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels. 1.5x3/8	7763.00		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.	5280.00		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 engineer incharge. complete in all respect.	2850.00		Per Sft	
23	6/34	Providing and fixing theremopore (foamed polythene) sheet in horizontal and vertical expansion joints: 1½" thick thermopore sheet	3752.00		Per Sft	
24	13/31	Preparing surface and painting with emulsion paint:- 3 coats	198653.00		% 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 7426.00		% Cft % Cft	
26	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	
27	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	
28	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	
29	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.)
30	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	
31	25/36	Providing and fixing collapsible gate made of 2"x2"x"¼" tee iron at top and bottom, channel iron 'verticals ¾"x¼"x½"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"x½"x1/8" channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled, complete in working order.	75.00		Per Sft	
32	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				
33	10/43	(ii) 600mmx 600 mm Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge.	57550.00		Per Sft	
34	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.	8500.00		Per Sft	
35	10/48	China Verona 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.	3500.00 1700.00		Per Sft Per Rft	
36	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	
37	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	
38	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"	1958.00		Per Sft	
39	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.	1330.00		rei Sil	
		12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	7300.00		Per Sft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
40	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	
41	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.	52529.49		Per Sft	
42	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	
43	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	
44	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)	200.00		Per Sft	
45	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.	200.00		1 61 311	
46	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.	20000.00		Per Sft	
		i) 10.50 " wide ii) 5.5 " wide	4000.00 420.00		Per Sft Per Sft	
47	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	
48	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	
49	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				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
		duly welded @ 4" c/c, including painting charges etc complete in all respect.	60.00		Per Sft	
50	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 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) ii) 1" i/d (25 mm) iii) 1.50" i/d (40 mm) iv) 2" i/d (50 mm)	4500.00 6000.00 650.00 950.00		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)	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") 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")	5500.00 9000.00 1200.00 5600.00 5600.00		Per M Per M 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:-	480,00		Per M	
		i) 7/1.63 mm (7/0.064") 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 ii) 03 Gange iii) Three pin Light Plug 10/13 Amp iv) Fan Dimmer	10.00 10.00 400.00 120.00		Each Each Each Each	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	OHITE	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				
		(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	
		(17) 1000 / (11)	0.00			
1	N.S	Electrical Work (Non-Schedule) Supply & installation of LED 24W Down Light (Surface			Total	
l .	14.0	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	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	1250.00		- Farah	
		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				
	14.0	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	
6	N.S	Supply & installation of PVC Fan Box with iron bar i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (GM, Bita or equivalent)	120.00		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	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 Equivalent)	150.00		Each	
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Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
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	
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, 1½" i/d GI pipe 5' long, GI tee & plug for watering also includs common salt, Lime (slaked) & charcoal around copper strip I/c connecting with Electric machine. Complete in all respects as approved and as directed by the engineer incharge.	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			Each	
		ii) Plastic toilet paper holder	30.00		Each	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	OHITE	iii) Plastic tower rail iii) Plastic shelf 60x13 cm (24:x5") with bracket and railing iv) Looking glass with plastic frame	10.00 15.00 14.00		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	
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"	1000.00 800.00 500.00		Per Rft Per Rft Per Rft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	OHITE	(ii) 1.50"	700.00		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 (i) 3" dia	150.00 10.00		Each 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	
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	
		Edward Dividing West			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 ii) 6" i/d	750.00 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	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 (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,				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	CH/ITE	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	
		(somm)	300.00			
1	7/30	External Civil Work Supplying and filling sand under floor; or plugging in wells.	2400.00		Total % 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.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				
			1.00		Each	
		Everyol Electrical (New School: In)	_		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	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
5		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	

Work No.03

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

MRS January 2022 to June, 2022 BWN

Sr. No.	Ref.	Description	Quantity	Rate	Unit	Amount
1		Excavation in foundation of building, bridges and				
•		other structures, including dagbelling, dressing,				
		refilling around structure with excavated earth,				
	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 Sft		P/ Sft	
3		Supplying and laying polythene sheet over				
	26/37-ii		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,				
		compacting, finishing and curing complete				
	6/5-i	(including screening and washing of stone aggregate): Ratio 1:4:8	8181.67 Cft		% Cft	
	C/E f	ii) Ratio 1:2:4	12402.61		0/ Cft	
	6/5-f	II) Natio 1.2.4	12482.61 Cft		% Cft	
6		Fabrication of mild steel reinforcement for				
		cement concrete, including cutting, bending,				
		laying in position, making joints and fastenings,				
		including cost of binding wire and labour charges				
		for binding of steel reinforcement (also includes				
		removal of rust from bars)				
	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 /	1/6			
		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 Cft		Per 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	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
		cu.m per sq.m)	Sft			
9		Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design,including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				
	6/6-ai-2c	(a) (i) Reinforced cement concrete in roof slab, beams, extra. columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Type B (nominal mix 1: 1½: 3)				
	0/0 ai 20	i) Ground Floor (1: 1½: 3)	22717.80 Cft		Per Cft	
		ii) First Floor+2nd floor (1: 1½: 3)	24997.46		Per Cft	
		i) Ground Floor (1:2:4)	575.34 Cft		Per Cft	
		ii) First Floor+2nd floor (1:2:4)	553.41 Cft		Per Cft	
10	3/15i.	Filling, watering and ramming earth under floors:-with surplus earth from foundation, etc.	20400.72 Cft		%o Cft	
11	3/15- ii+17abc	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	241756.83 Cft		%o Cft	
12	7/30	Supplying and filling sand under floor; or plugging in wells.	13583.98 Cft		% Cft	
13	7/4-i	Pacca brick work in foundation and plinth in:- Cement, sand mortar:- Ratio 1:5	15226.32 Cft		% Cft	
14		Providing and laying damp proof course of cement concrete1:2: 4(using cement, sand and shingle), including bitumencoating:(a) with one coat bitumen and one coat polythene sheet				
15	6/35.a, i	500gauge i) 1½" thick (40 mm) Pacca brick work in Cement, sand mortar:-	1908.68 Sft		% Sft	
	7/5-i	Ratio 1:4 Ground Floor i) Ground Floor	22603.52		% Cft	
		ii) First Floor	Cft 24580.02		% Cft	
		iii) 2nd Floor	Cft 4355.49 Cft		% Cft	
16	7/10	Extra for pacca brick work in staining of wells or any other circular masonry.	10719.21 Cft		% Cft	
17	12/15-a	Providing and fixing mild steel chowkat of doors, windows, C.window, etc. including holdfast, making and threading holes for hinges, etc. complete: M.S. angle iron 1½"x 1½"x ½" (40x40x6 mm) welded with M.S. flat 2"x ¼"	5188.00 Sft		Per Sft	
18	11/9-b	a) 1/2" Thick Cement plaster Ratio (1:4) i) Upto 20' heights	116213.65 Sft		% Sft	
		b) 3/4" Thick Cement plaster Ratio (1:4) i) Upto 20' height	46382.32		% Sft	

1186-1172 119 Upto 20' to 30' heights 11417-58 5ft 11417-58 5ft 11417-58 5ft 11417-58 5ft 11417-58 5ft 1170-50 10' forourd Floor 1170-50 10' forourd Flo	Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
28° thick cement plaster under soffit of RCC roof slabs St.				Sft			
19 33° thick comment plaster under soffit of RCC roof slabse Raci 1-3 upto 20 Height		11/9c+11/2 8	III) Upto 20' to 30' heights			% Sft	
11/10-b 0 Ground Floor 11/10-b 10 First Floor 11/10-b 10 First Floor 11/10-b 10 First Floor First class brick walling laid in 1:3 cement sand mortar, reinforced with 1' (25 mm) wide 18 gauge hoop incn-4' (113 mm) bitis walling with hoop inon, bonding 12' (300 mm) apart. 7/21-ii 0 Ground Floor 18 Floor 10/19.21 St. 21 Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation/Feam Board on roof or walls, Density32-38(gM, compressive strength:50-40(gBs, R-value 5 per inch thickness and water absorption (1% by volume, cell structure of the provided with cell strength of thickness and water absorption (1% by volume, cell structure and the respect. 2' Rinkt. 22 Single layer of Itle is "x4/x1/x1/225x413x40 mm) laid over 4/100 mm) earth and 1' (25 mm) mud plaster without Bhoosa, ground with cement and 1' 30 n top of RCC roof slab, provided with 34 lbs, per %Sft. or 1.72 kg/5q mbitumen coating sand binded. 23 Ground with cement and 1' 30 n top of RCC roof slab, provided with 34 lbs, per %Sft. or 1.72 kg/5q mbitumen coating sand binded. 24 Providing and fixing terrace railing of 2' (50 mm) lid conducting the strength of the strength	19		3/8" thick cement plaster under soffit of RCC roof slabs	Jit			
1100-9 1170-9 1 First Floor 31675.15 Stt			: =				
First class brick walling laid in 1:3 cement sand motat, reinforced with 1' (25 mm) wide 18 gauge hosp incn-14' (13 mm) thick walling with hosp incn. bonding 12' (300 mm) apart. 7/21-ii 0 Ground Floor + 1st Floor Providing and Laying Insulation material of Estruded Polystyrene XFS in Rigid Insulation/Form Board on roof or walls, Density 22-38' (Month of thickness and water absorption (1% by volume, cell structure october cell) if coulting and plicing in position. complete in all respect. 2' thick Single layer of tiles 9' x45' x1' x' (225x113x40 mm) laid over 4'(100 mm) earth and 1' (25 mm) mud plaster without Bhoosa, grouted with coment sand 1:3 on top of RCC roof slab, provided with 4' (85 mm) floor in 1'2 k Rigal mutule necessary grouted with coment sand 1:3 on top of RCC roof slab, provided with 4' (85 mm) signal based on 1' 2' (50 mm) (ild control to mm) signare bar 2' 7.5 ft (838 mm) high fixed at 5' (125 mm) signare bar 2' 7.5 ft (838 mm) high fixed at 5' (125 mm) signare bar 2' 7.5 ft (838 mm) high fixed at 5' (125 mm) signare bar 2' 7.5 ft (838 mm) high, fixed at 5' (125 mm) signare bar 2' 7.5 ft (838 mm) high, fixed at 5' (125 mm) signare bar 2' 7.5 ft (838 mm) high, fixed at 5' (125 mm) signare bar 2' 7.5 ft (838 mm) high, fixed at 5' (125 mm) signare bar 2' 7.5 ft (838 mm) high, fixed at 5' (125 mm) signare bar 2' 7.5 ft (838 mm) high, fixed at 5' (125 mm) signare bar 2' 7.5 ft (838 mm) high, fixed at 5' (125 mm) signare bar 2' 7.5 ft (135 mm) signar		11/10-b	i) Ground Floor			% Sft	
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 -1st Floor Providing and Laying Insulation material of Extruded Polystyrene xPS in Rigid Insulation-Foam Board on roof or walls Density22-38Kg/M, compressive strength250-400kps, R-value 5 per inch thickness and water absorption (1% by orlume, coil structure colored cell) it cutting and placing in position. complete in all respect. 2 thick Single layer of thes 9*4½*/-1½* (225x113x00 mm) hid over 4*(100 mm) eath and 1* (25 mm) mud obstare without Bhoosa, ground with cement sand 1: 30 in top of ROC cend 'stab, provided with 31 lbs. per '%Sft. or 1.72 kg/Sq.mphitume coating sand binded. 2 (Cement concrete brick or stone ballast 1½* to 2* (40 mm) to 50 mm) gauge, in foundation and plinth: 2 (Grab of mm to 50 mm) gauge, in foundation and plinth: 2 (Grab of mm) concrete brick or stone ballast 1½* to 2* (40 mm) to 50 mm) gauge, in foundation and plinth: 2 (Grab of mm) to 50 mm) gauge, in foundation and plinth: 2 (Grab of mm) concrete brick or stone ballast 1½* to 2* (50 mm) li/d conduit pipe 16 SWG, welded with 5½*SS9* (16*6 mm) square bar 2/5 ft. (83 mm) high fixed at 5* (125 mm) centre to centre, in reinforced centre, complete in all respects, as per design and drawing. 2 (Grab of mm) complete in all respects, as per design and drawing. 2 (Grab of mm) complete in all respects, as per design and drawing. 2 (Grab of mm) complete in all respects, including partning, and drawing and drawing including shutering and drawing and drawing including shutering and drawing and drawing including shutering and drawing the mossile flooring into panels. 2 (Grab of many and a laying toping of cement concrete 10/40-0 dividing the mossile flooring into panels. 3 (Grab of many and a laying topin			ii) First Floor	21675 15		0/ Cf+	
First class brick wailing laid in 1:3 cement sand mortars, reinforced with 1: (25 mm) wide 18 gauge hoop iron- 4/5' (113 mm) brick wailing with hoop iron, bonding 12' (300 mm) apart. 7/21-ii		+11/28				% SIL	
gauge hoop iron: 45° (113 mm) thick walling with hoop iron, hoofing 12° (300 mm) apart. 7721-ii Ground Floor +Ist Floor 10719.21 5tt Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation-Floan Board on roof or walls (Density 22-38 (Kg/Mc.compressors strongh):250-4005,gg R-Value 5 per inch thickness and water absorption (175 by volume, cell structure colored cell) its curing and planein prosition. Complete in all respect. 2° thick 27779.84 5th 22	20		First class brick walling laid in 1:3 cement sand	3.0			
with hoop iron, bonding 12" (300 mm) apart. 7721-ii) Ground Floor +1st Floor 7721-ii) Ground Floor +1st Floor 7721-iii) Ground Floor 7721-ii) Ground Floor			mortar, reinforced with 1" (25 mm) wide 18				
7/21-ii i) Ground Floor +lst Floor Providing and Laying Insulation material of Extruded Polystyreno XPS in Rigid houselation/Foam Board on roof or walls Density 22-38kg M. compressive strength 250-400kps. R-value 5 per iroth titioness and water absorption (19 kg volume, cell structure colored cell) ic cutting and placing in position. complete in all respect. 2° thick single layer of titles 9° 445/×11/4′ (225×113×40 mm) laid over 4°(100 mm) earth and 1° (25 mm) mud plaster without 8hoosa, grouted with coments and 1:3 on top of RCC roof 15ab. provided with 34 bs. per %Sft. or 1.72 kg/Sq.mbitumen coating sand with 34 bs. per %Sft. or 1.72 kg/Sq.mbitumen coating sand with 34 bs. per %Sft. or 1.72 kg/Sq.mbitumen coating sand with 34 bs. per %Sft. or 1.72 kg/Sq.mbitumen coating sand with 34 bs. per %Sft. or 1.72 kg/Sq.mbitumen coating sand with 34 bs. per %Sft. or 1.72 kg/Sq.mbitumen coating sand coating sand with 34 bs. per %Sft. or 1.72 kg/Sq.mbitumen coating sand with 34 bs. per %Sft. or 1.72 kg/Sq.mbitumen coating sand coating sand with 34 bs. per %Sft. or 1.72 kg/Sq.mbitumen coating sand coating sand with 34 bs. per %Sft. or 1.72 kg/Sq.mbitumen coating sand with 34 bs. per %Sft. or 1.72 kg/Sq.mbitumen coating sand coating sand with 34 bs. per %Sft. or 1.72 kg/Sq.mbitumen coating sand with 34 bs. per %Sft. or 1.72 kg/Sq.mbitumen coating sand with 34 bs. per sand sand sand sand sand sand sand sand							
Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation/Foam Board on roof or walls Density2-3 alkg/M.compression strengt(1220-000)cpa. Neurols of per inch hickness and water absorption (1% by volume, cell structure colored cell) i/c cutting and placing in position, complete in all respect. 2" thick Single layer of tiles 9"x4/5"x11/2" (225x113x40 mm) laid over all colored cell) i/c cutting and placing in position, complete in all respect. 2" thick Single layer of tiles 9"x4/5"x11/2" (225x113x40 mm) laid over without Bhoosa, grouted with cement sand 113 on top of RCC roof 'slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.mbitumen coating sand blinded. 27779.84 % Sft. 40 mm to 50 mm) gauge, in foundation and plinth: Ratio 11.4:8 Cement concrete brick or stone ballast 11/5" to 2" (4/3 b) Cement concrete brick or stone ballast 15/5" to 2" (4/3 b) Cement concrete brick or stone ballast 15/5" to 2" (4/3 b) Cement concrete slab with side of the stone shallast 15/5" to 2" (4/4 b) Providing and fixing terrace railing of 2" (50 mm) l/d conduit pipe 16 SWC, welded with 5/6"x5/8" (16x16 mm) square to 2.571. (38 mm) high fixed at 5" (125 mm) centre to centre, in reinforced 25/35 cement concrete slab with side arrangement, complete in all respects, a per design and drawing. Providing and fixing stair railing of 2½" (63 mm) l/d G.1, pipe, welded with 5/6"x5/8" (16x16 mm) square M. S. bars 2"-9" (38 mm) high, fixed in each step, 25/33 governed to concrete slab with side of the step of the standard drawing surface water, in all types of soil except side in each step, 25/33 governed and force of the standard drawing surface water, in all types of soil except side in each step, 25/33 governed and force of the standard drawing surface water, in all types of soil except size in a standard drawing surface water, in all types of soil except size in a standard drawing surface water, in all types of soil except size in a standard drawing surface water, in all types of soil except size in the size of							
Providing and Laying Insulation material of Extruded Polystyrene XFS in Rigid Insulation/Fam Based no not or walls Deneity32-38/kg/M compressive strength250-40/kpca Revalue 5 per inch hickness and water absorption (1% by volume, cell structure colored cell) i/c cutifing and placing in position. complete in all respect. 2°t hick was always and placing in position. complete in all respect. 2°t hick was always and the colored cell) i/c cutifing and placing in position. complete in all respect. 3°t high provided with 34 bs. per %Stt. or 1.72 kg/Sq. mbitumen coating sand yind with 56 ment sand 1°c (25 mm) mud plaster without 8hoosa, provided with 34 bs. per %Stt. or 1.72 kg/Sq. mbitumen coating sand yind with 34 bs. per %Stt. or 1.72 kg/Sq. mbitumen coating sand yind with 34 bs. per %Stt. or 1.72 kg/Sq. mbitumen coating sand yind with 36 mm years and years and years are said of the complete in all respects, as sand years and years are said of the coating years and years are said of the coating years are said of the coating years and years are said of the coating years and years are years and years and years are years and years and years are years and years and years and years and years are years and years and years and years and years are years and ye		7/21-ii	i) Ground Floor +Ist Floor			% Sft	
XPS in Rigid Insulation/Foam Board on roof or walls, Density32- 38Kg/M, compressive strengt/192-00/kps, R-value 5 per inch thickness and water absorption (11% by volume, cell structure colored cell) five cutting and placing in position, complete in all respect. 2° thick Single layer of tiles 9° x4/x*x1½* (225x113x40 mm) laid over 4"(100 mm) canth 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 9/5. blinded. Cement concrete brick or stone ballast 1½* to 2° (40 mm to 50 mm) gauge, in foundation and plinth: Ratio 1: 4:8 24 Providing and fixing terrace railing of 2° (50 mm) l/d conduit pipe 16 SWG, welded with 5/8*x5/8* (16x16 mm) square at 5" (128 mm) centre to centre, in reinforced 25/35 commol concrete slab with suitable arrangement, complete in all respects, as per design and drawing. Rit Providing and fixing stair railing of 2%* (63 mm) l/d G.I. pipe, welded with 5/8*x5/8* (16x16 mm) square M. S. bars 2-9" (638 mm) high, fixed in each step, complete in all respects, including paintling, polishing three coats. Rit 26 Earthwork excavation in open cutting for sewers and marholes as shown in drawings including shuttering and imberring, 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: 01. to 7.0 ft. (to 10 2.10 m) depth Cft Providing and fixing marble strip of any shade for 10/40-a Size 1½* x 3/8* (40 x 10 mm) Rit Providing surface finishing and dividing in panels: 1½*(40 mm) thick Sit Preparing surface and painting with emulsion paint: new surface 3 coats 7/41 Preparing surface and painting with emulsion paint: new surface 3 coats 8/5t	24		Providing and Laving Insulation material of Extraded Polyetimes	Sft			
Single layer of tiles 9'x4%'x1%' (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 %5ft. or 1.72 Kg/Sq.mbitumen coating sand blinded. 23 Cement concrete brick or stone ballast 11% "to 2" (40 mm to 50 mm) gauge, in foundation and plinth:—Railo 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. (833 mm) high fixed at 5" (125 mm) centre to centre, in reinforced cement concrete slab with suitable arrangement, complete in all respects, as per design and drawing. 25/35 Providing and fixing stair railing of 2½" (63 mm) i/d G.I. pipe, welded with 5/8'x5/8' (16x16 mm) square M.S. bars 2-9" (83 mm) high, fixed in each step, complete in all respects, including painting, polishing three coats. 26 Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock: 27 Off. 10/40-a dividing and fixing marble strip of any shade for dividing many many many many many many many many	21	9/45c	XPS in Rigid Insulation/Foam Board on roof or walls, Density32-38Kg/M, compressive strength250-400kpa, R-value 5 per inch thickness and water absorption (1% by volume, cell structure colored cell) i/c cutting and placing in position. complete in all	27779.84		% Sft	
4"(100 mm) earth and "(25 mm) mud plaster without Bhoesa, 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 27779.84 % Sft				-			
Cement concrete brick or stone ballast 11½" to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1: 4: 8 24 Providing and fixing terrace railing of 2" (50 mm) i/d conduit pipe 16 SWG, welded with 5/8" 5/8" (16x16 mm) square bar 2.75 ft. (838 mm) high fixed at 5" (125 mm) centre to centre, in reinforced cement concrete slab with suitable arrangement, complete in all respects, as per design and drawing. 25 Providing and fixing stair railing of 2½" (63 mm) i/d G.I. pipe, welded with 5/8" 5/8" (16x16 mm) square M.S. bars 2-9" (838 mm) high, fixed in each step, complete in all respects, including painting, polishing three coats. 26 Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock: 27 Office of the original painting marble strip of any shade for dividing the mosaic flooring into panels. 3/42-i Office of the original painting marble strip of any shade for dividing the mosaic flooring into panels. 28 Oroviding and fixing marble strip of any shade for dividing the mosaic flooring into panels. 29 Oroviding and laying toping of cement concrete 10/15-c 12-4, including surface finishing and dividing in panels: -1½" (40 mm) thick 29 13/31 Preparing surface and painting with emulsion paint:-new surface 3 coats Pacca brick work in foundation and plinth in:-cement, sand mortar-Ratio 1:3 801.55 % Sft	22		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				
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7/4-i cement, sand mortar:-Ratio 1:3 8011.55 % Sft				OIL			
7/4-i cement, sand mortar:-Ratio 1:3 8011.55 % Sft	30		Pacca brick work in foundation and plinth in:-				
		7/4-i	-	8011.55		% Sft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
31	21/9	Extra for making and finishing benching floor manhole	108.42		% Sft	
		chamber, with 1/8" thick work in cement finish	Sft			
22		Fabrication of heavy steel work, with angle, tees, flat				
32		iron round iron and sheet iron for making trusses,				
		girders, tanks, etc., including cutting, drilling, revitting,				
		handling,assembling and fixing, including erection in position.				
	5/11		16381.50		% Kg	
	13/5-c	Preparing surface and painting of doors and windows	Kg			
33	i+ii+ii	r repairing currace and pairining of accordance and mindelic	310.94		% Sft	
		any type (including edges):- new surface 3 coats	Sft			
		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				
34		the Engineer Incharge.				
<u> </u>	12/61-В- іі	i) Brass ,12" (300 mm) long	111.00		Each	
			No			
<u> </u>		ii) 10" (250 mm) long				
	İ		103.00		Each	
35		Second class tile roofing consisting of 4" (100 mm)	No			
		earth and 1" (25 mm) mud plaster with Gobri leaping				
1		over ½" (13 mm) thick cement plaster 1:6 with 34 lbs.				
1		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				
1		complete including curing, etc.				
	9/2	complete motorality calling, etc.	930.06		% Sft	
			Sft			
36	9/15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	35.00		Each	
			No			
37		Providing and fixing theremopore (foamed polythene)				
"	6/34.a	sheet in horizontal and vertical expansion joints:	1536.00		Per Sft	
1		1" (25 mm) thick thermopore sheet	Sft			
38		Providing and fixing 6 in(150 mm). wide curved sheet				
1		of required shape fixed on face of the construction joint with G.I.screw,1.5 in (40 mm) long to cover	4242.60		Dor D#	
	6/26-ii	construction joints vertically:- G.I. sheet, 18 SWG	1212.68 Rft		Per Rft	
1		,				
39		Providing and layingTuffpavers,having 7000 PSI,crushing				
1		strength of approved manufacturer, over 2" to 3"sand cushion i/c grouting with sand in joints i/c finishing to require slope.				
1		complete in all respect. (50% Grey / 50% Coloured 60 mm thick				
	10/41.b		11423.00		Per Sft	
40		Providing and applying weather shield paint of approved	Sft			
+0		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	46004.83		% Sft	
	, "		Sft			
41		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				
	10/42.a.ii	and directed by the Engineer Incharge.Full body Glazed tiles.600mmx 600 mm	57512.97		Per Sft	
			Sft			
42		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	4473.92		Per Sft	
		<u>l</u>	Sft			

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
43	0	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.				
	25/56.		4473.92		Per Sft	
44		Providing and fixing Aluminum Fly screen comprising of	Sft			
		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.	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				
	12/8.ii		4306.00		Per Sft	
46		Providing and laying superb quality Ceramic tile floors of Master	Sft			
		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				
	10/24.i	Incharge.12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	2804.00		Per Sft	
47		Providing and laying superb quality Ceramic tiles dado of Master	Sft			
		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"				
	10/25.i	/8"x24"/12"x36"	8620.00 Sft		Per Sft	
48		Providing embeding 10" (250 mm) wide ¼" (6 mm) thick rubber				
	6/30.	water stopper in expansion joints of R.C.C. roof slab complete in all respects.	350.00		Per Rft	
49		Providing and laying Prepolished Granite of specified thickness	P/Rft			
.0		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				
	10/50.i	Incharge.3/4" thick	1742.00 Sft		Per Sft	
50		Extra for Bevelling charges of marble edge in approved design				
	10/48.	complete in all respects i/c the cost of Carbor and amdisc as approved and directed by the Engineer Incharge.	450.00		Per Rft	
51		Providing and fixing false ceiling comprises of Gypsum board	Rft			
31		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 11/4"x1" and 11/2"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				
	9/48.ii	as approved and directed by the Engineer Incharge.7.5mm thick	2500.00		Per Sft	
	5/ 1 0.11		Sft		1 51 511	
		Civil Work (Non Shedule Item)			Total	
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				
	NS	handles and chord with hooks etc. complete in all respect or as per approval of the engineer Incharge.	350.00		Per Sft	
	. 10		Sft		. 5. 5.	
2	NS	Construction of Fiber Glass 3/4" thick Dom on already prepared rigid circular base of 1st Floor as	1350.00		Per Sft	
	INO	per drawing & approved by the Engineer Incharge.	1350.00 Sft		1 51 311	
	1	por araning a approved by the Engineer intendige.	ગા	I	I	I

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
		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 complete in all respects as approved by the Engineer Incharge.				
	NS	complete in all respects as approved by the Engineer incharge.	179344.09		P/Sft	
			Sft			
4		Providing & Fixing Cabinet consisting of lamination board 3/4" thick for leaves, kail wood frame 2.50" x 1", Gola for 'leaf 3/4" x				
		3/4" including sprit polish for gola complete in all respects as per				
	NS	design, drawing & pattern as approved by the 'engineer Incharge	150.00		Per Sft	
	NO	(Down portion)	150.00 Sft		Per Sit	
5		Providing & Fixing Cabinet upper portion consisting of lamination				
		board 3/4" thick box and leaves, Partal wood frame 3" x 1", Gola for 'leaf 3/4" x 3/4" including siprit polish for gola complete				
		in all respects as per design, drawing & pattern as approved by				
	NS	the Engineer Incharge	150.00		Per Sft	
		Providing and using Sulphate Resistant Cement	Sft			
6	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		1,508	
			Ĭ			
7		Providing & Fixing uPVC door 1.25" thick wooden colour i/c				
	NS	hinges kik plate, door handle with locking arrangement complete in all respects.	1067.50		Per Sft	
			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	
		, and the second	Cft			
		Floatrical Wark (Schadula Karea)			Total	
1		Electrical 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-i	i) 3/4" i/d (20 mm)	24509.57		Per Rft	
	24/3-ii	ii) 1" i/d (25 mm)	Rft 37547.33		Per Rft	
	2-1/0 11	.,	Rft		1 Or rait	
	24/3-v	iii) 1.5" i/d (40 mm)	10500.00		Per Rft	
			Rft		l	
	24/3-vi	iv) 2" i/d (50 mm)	1550.00		Per Rft	
2		Supply and erection of single core PVC insulated	Rft			
_		copper conductor cables, in prelaid PVC pipe/M.S.				
		conduit/G.I pipe/wooden strip batten/wooden				
		casing an capping/G.I. wire/trenches (rate for				
	24/40 ::	cables only). 250/440 volts, PVC insulated: i) 3/0.91 mm (3/0.036")	79851.00		Per Rft	
	24/ IU-II	i, 3/0.91 iiiii (3/0.000)	79851.00 Rft		FELKI	
	24/10-iii	ii) 7/0.74 mm (7/0.029")	38314.00		Per Rft	
			Rft			
	24/10-iv	iii) 7/0.91 mm (7/0.036")	18649.00		Per Rft	
	04/40	iv) 7/1 12 mm /7/0 044")	Rft		D = = D#	
	24/10-V	iv) 7/1.12 mm (7/0.044")	11800.00 Rft		Per Rft	
3		Supply and erection of single core PVC insulated,	MI			
		PVC sheathed copper conductor, 660/1100 volts				
		grade cable, in prelaid G.I. pipe/M.S. conduits/ PVC				
	04/40	pipe/G.l. wire/trenches, etc (rate for cable only)	E200.00		D	
	24/12-iii	i) 35 mm sq (19/0.064")	5280.00 Rft		Per 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		Per Rft	
		•				

Item No.	REF. Nos	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
4	CH/ITE	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.l. wire 16 SWG.120 mm (37/0.083")				
	24/13-d	casic, armoured with G.i. wife to GVVG.120 min (07/0.000)	200.00 Meter		Per M	
5		Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I.	oto			
	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 Rft		Per Rft	
6	24/39-i	Supply and erection of button holder.bakelite large size	1092.00 No		Each	
7	24/30	Supply and erection of ceiling rose, bakelite.	36.00 No		Each	
8	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')				
		·	1.00		Each	
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.	No			
10	24/89.a,iii	i-1600 Amp(65 KA) Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/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		Each	
	24/87.a.x	i-300-630 Amp(36 KA)	1.00		Each	
11	24/87.a.vi 24/94	ii-125-250Amp(25KA) 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.	18.00		Each	
	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/Eqv.)	1.00		Each	
	vi 	Auxiliary Contactor. (Make: Schneider/ Terasaki/ABB)	1.00		Each	
	vii 	Control MCB S/P 6A (Make: Schneider/ Terasaki/ABB)	1.00		Each	
	viii	Exhaust Fan with Louvers (Make: Imported/Plastim)	1.00		Each	
	xi 	Temperature Regulator 0~60C	1.00		Each	
	XII No	Tomporaturo regulator 0.000	1.00		Each	
12	No	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")				
	24/90-a.ii	, , , , , , , , , , , , , , , , , , , ,	12.00 No		Each	
13		Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. There Pole 15-100 Amp (10 KA,15KA)	INU			
	24/87-a-ii	wy are Engineer incharge. There role 15-100 Amp (10 NA, 15NA)	12.00		Each	

Item No.	REF. Nos	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
14	CH/ITE	Suppling,Installation and comissioning of MCB (Miniature Circuit		,,	1	
14	24/86-a-ii	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)	288.00		Each	
		g	No			
15	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	56.00		Each	
		Three pin Light Plug 10/13 Amp	65.00		Each	
		Fan Dimmer	360.00		Each	
		Three Pin Power Plug 15-32 Amp	128.00		Each	
		Large	120.00		Laon	
		04 Gange	56.00		Each	
		05 Gange	56.00		Each	
		06 Gange				
			56.00		Each	
		Two way Gange Switch small				
		03 Gange	12.00		Each	
		04 Gange	12.00		Each	
16		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				
	24/102 a ii	Incharge.Plastic body 12 " dia	12.00		Each	
	2 1/ 102.4.11	Steel body	12.00		Lacii	
		18" sweep	8.00		Each	
		1	8.00		Lacii	
					Total	
		Electrical Work (Non-Schedule)			Total	
1	N.S	Providing & Fixing Fan hook popular or equilant	360.00		Each	
'	14.5	quality with PVC fan hook cover sheet 8" dia	No		Lacii	
		quality with volumerook cover check of ala	110			
2	NC	Supply & installation of LED 2'x 2' Ceiling Panel Light 40W (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips RC09led 40S/865 or Equivalent)	420.00		Fook	
	NS		126.00 No		Each	
3	NS	Supply & installation LED flood light 100 watt Philips quality including casing bracket, hanging arrangement complete in all respects as approved by the	NO			
	110	Engineer Incharge.	24 00		Fach	
-		Engineer Incharge.	24.00 No		Each	
4	NIC	Engineer Incharge. Supply & installation of LED 24 W Down Light (Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Essential or Equivalent)	No			
4	NS	Supply & installation of LED 24 W Down Light (Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved	No 600.00		Each Each	
	NS	Supply & installation of LED 24 W Down Light (Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Essential or Equivalent)	No			
5	NS	Supply & installation of LED 24 W Down Light (Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved	No 600.00			
	NS NS	Supply & installation of LED 24 W Down Light (Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Essential or Equivalent) Supply & installation of Strip (Patti) with 20W Led tube rod (220V~, 6500K) i/c	No 600.00 No 600.00			
		Supply & installation of LED 24 W Down Light (Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Essential or Equivalent) Supply & installation of Strip (Patti) with 20W Led tube rod (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips or Equivalent) 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	No 600.00 No		Each	
5	NS	Supply & installation of LED 24 W Down Light (Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Essential or Equivalent) Supply & installation of Strip (Patti) with 20W Led tube rod (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips or Equivalent) Supply & installation of Metal Body Wall Bracket Fan 24" (99.99% Copper) i/c any accessories (i.e. widing of mounting holes and 4.00nos of rawl bolts ¼" etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (SK mega or	No 600.00 No 600.00 No		Each Each	
5		Supply & installation of LED 24 W Down Light (Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Essential or Equivalent) Supply & installation of Strip (Patti) with 20W Led tube rod (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips or Equivalent) 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	No 600.00 No 600.00 No		Each	
5	NS	Supply & installation of LED 24 W Down Light (Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Essential or Equivalent) Supply & installation of Strip (Patti) with 20W Led tube rod (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips or Equivalent) Supply & installation of Metal Body Wall Bracket Fan 24" (99.99% Copper) i/c any accessories (i.e. widing of mounting holes and 4.00nos of rawl bolts ¼" etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (SK mega or	No 600.00 No 600.00 No		Each Each	
5	NS	Supply & installation of LED 24 W Down Light (Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Essential or Equivalent) Supply & installation of Strip (Patti) with 20W Led tube rod (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips or Equivalent) Supply & installation of Metal Body Wall Bracket Fan 24" (99.99% Copper) i/c any accessories (i.e. widing of mounting holes and 4.00nos of rawl bolts ¼" etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (SK mega or Equivalent) 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	No 600.00 No 600.00 No		Each Each	
5	NS NS	Supply & installation of LED 24 W Down Light (Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Essential or Equivalent) Supply & installation of Strip (Patti) with 20W Led tube rod (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips or Equivalent) Supply & installation of Metal Body Wall Bracket Fan 24" (99.99% Copper) i/c any accessories (i.e. widing of mounting holes and 4.00nos of rawl bolts ¼" etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (SK mega or Equivalent) 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	No 600.00 No 600.00 No 48.00 No		Each Each	
5	NS NS	Supply & installation of LED 24 W Down Light (Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Essential or Equivalent) Supply & installation of Strip (Patti) with 20W Led tube rod (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips or Equivalent) Supply & installation of Metal Body Wall Bracket Fan 24" (99.99% Copper) i/c any accessories (i.e. widing of mounting holes and 4.00nos of rawl bolts ¼" etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (SK mega or Equivalent) 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) 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 required at site. Complete in all respect as directed and approved by the Engineer Incharge required at site. Complete in all respect as directed and approved by the Engineer Incharge (Younis-Deluxe, Tamoor-Deluxe,	No 600.00 No 600.00 No 48.00 No		Each Each	
5 6 7	NS NS	Supply & installation of LED 24 W Down Light (Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Essential or Equivalent) Supply & installation of Strip (Patti) with 20W Led tube rod (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips or Equivalent) Supply & installation of Metal Body Wall Bracket Fan 24" (99.99% Copper) i/c any accessories (i.e. widing of mounting holes and 4.00nos of rawl bolts ¼" etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (SK mega or Equivalent) 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) Supply & installation of Ceiling Fan 56" (99.99% Copper) i/c any accessories required at site. Complete in all respect as directed and	No 600.00 No 600.00 No 48.00 No		Each Each	

	CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
9	OHITE	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, 11/x" i/d GI pipe 5' long, GI tee & plug for watering also includes common salt, Lime (slaked) and charcoal around copper strip I/c connecting with Electric machine. Complete in all respects as approved and as directed by the Engineer Incharge.				
	NS		20.00 No		Each	
					Total	
1	1	Plumbing Work (Schedule Items) Providing and fitting glazed earthen ware water closet, squatter		1		
	19/4.ii	type (Orissa pattern), combined with foot rest. Colored	40.00 No.	I	Each	
2		Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.				
	19/7.i	ii) colored, with pedestal	56.00 No.		Each	
3	19/27ii	Providing and fixing chromium plated bib cock:- ii) '1.5 cm (½")	52.00 No.	I	Each	
4	40/40	Providing and fitting plastic made low down flushing cistern 13.63 liter (3 gallons) capacity, including bracket set, copper connection, etc. complete.				
	19/13.1	ii) colored	40.00 No.		Each	
5	19/8.	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe and waste coupling.	4.00 No.	1	Each	
6	19/28.	Providing and fixing chromium plated tee stop cock '15mm (½").	144.00 No.	ı	Each	
7	19/11.	Providing and fixing glazed earthen ware flat back urinal.	24.00 No.	ı	Each	
8	19/24.ii	Providing and fixing chromium plated pillar-cock, heavy:- ii) '1.5 cm (1/2")	56.00 No.	ļ	Each	
9	19/30.	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	4.00 No.	I	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).				
	20/47.011	PN-20 pipe				
		ii)(3/4") 25 mm	950.00		P/Rft	
		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	ı	Each	
12		Providing and fixing BATHROOM ACCESSORIES (7-piece set) MASTER BRAND - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge				
	19/23.	Diagtic accordish				
		Plastic soap dish Plastic toilet paper holder	16.00		Each	
		Plastic tollet paper riolder Plastic tower rail	16.00 16.00		Each 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		P/Rft	

Item	REF. Nos	Description of Items	Qty	Rate	Unit	Amount (Rs.)
No.	CH/ITE	·		(Rs.)		
14		Providing ,fixing testing and commissioning of µ-PVC (Unplasticized polyvinyl Chloride) Nikasi /waste pipe make of dadex /Popular /Beta/BBJ plain/ socket ended conforming to code EN-1401 of specified SDR (Standard Dimension Ratio)	Rft			
	19/47.	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 Rft		P/Rft	
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	
		Engineer menarge.				
16	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.	22.00		Each	
17	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	176.00		Each	
		Multi-Trap 4" dia	22.00		Each	
		Vent Cowel 4" dia	28.00		Each	
					Total	
		Plumbing Work (Non Schedule)				
1		Providing & Fixing looking glass 5 mm thick best				
	N.S	quality including aluminum frame 2'x1' complete in all	150.00		Per Sft	
2		respects Providing 8 fixing floor trap Joli Stainleagted, complete in all	Sft			
	N.S	Providing & fixing floor trap Jali Stainlessteel complete in all respect and as approved by the Engineer Incharge.	52.00		Each	
			No			
3	N.S	Providing & Fixing Floor trap jali plastic colored	40.00		Each	
		complete in all respects	No			
					Total	

Work No.04

The Islamia University of Bahawalpur Construction of Academic Block for South Punjab Institute of Agro-Industry & Enviornment at Civil Work MRS Jan to Jun, 2022

		Civil Work			WIING Ja	n 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	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 16876.21		% 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)				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	VIIII E	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	48500.00		% Sft	
		ii) Above 20' height 1/2" thick 1:5 iii) 3/4" (20 mm) thick upto 20' height	7500.00 33260.00		% 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 '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	1000.00		. 5. 5.	
•		, 5 5 5 7 7 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1		•	•	

Item No.	REF. Nos	Description of Items	Qty	Rate	Unit	Amount (Rs.)
NO.	CH/ITE	/ 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.	2250.00	(Rs.)	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	12/61	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	100.00		Each	
27	6/26	Providing and fixing 6 in(150 mm). wide curved sheet of required shape fixed on face of the construction joint with G.I.screw,1.5 in (40 mm) long to cover construction joints vertically:- G.I. sheet, 18 SWG	150.00		Per Rft	
28	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	
29	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	
30	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	
31	25/36	Providing and fixing collapsible gate made of 2"x2"x"½" tee iron at top and bottom, channel iron 'verticals ¾"x½"x½"x½"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"x½"x½"x½"8" channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled, complete in working order.	75.00		Per Sft	
32	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	
33	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	6950.00		Per Sft	

10/48 10/49 10/50		2950.00 1050.00 40.00	(Rs.)	Per Sft Per Rft Each	
10/49	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. 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. 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	1050.00		Per Rft	
10/50	Sink,burners, basin Vanities i/c cost of bevelling of internal edge as approved and directed by the Engineer Incharge. 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	40.00		Each	
	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	40.00		Lacii	
10/24	, , , , , , , , , , , , , , , , , , , ,				
	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.	650.00		Per Sft	
10/25	12"x18"/12"x24"/10"x24" /8"x24"/12"x36" 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.	1250.00		Per Sft	
	12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	5500.00		Per Sft	
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	
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	
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	
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	1000.00		Per Sft	
		plastered surface complete in all respect as approved and directed by the Engineer Incharge. 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. 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	plastered surface complete in all respect as approved and directed by the Engineer Incharge. 45000.00 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. 2/62 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 Elocs Mounted Cabinat)	plastered surface complete in all respect as approved and directed by the Engineer Incharge. 45000.00 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 2/62 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	plastered surface complete in all respect as approved and directed by the Engineer Incharge. 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. 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

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
44	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	
45	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	
46	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.	3550.00		Per Sft	
		ii) 5.5 " wide	420.00		Per Sft	
47	12/67	Providing and fixing auotomatic hydraulic operated door closer				
		imported heavy duty complete in all respect as approved				
		and directed by the Engineer Incharge.	60.00		Each	
48	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	
49	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	
50	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				
		Engineer incharge. Mait Finish	150.00		Per Sft 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	
		Floatrical Work			Total	
1	24/3	Electrical Work Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
		jharries,and repairing surface, etc., complete with all specials.	4500.00		D	
		i) 3/4" i/d (20 mm)	4500.00		Per M Per M	
		ii) 1" i/d (25 mm) iii) 1.50" i/d (40 mm)	6000.00 650.00		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 9000.00		Per M Per M	
		iv) 7/1.12 mm (7/0.044") v) 7/1.63 mm (7/0.064")	1200.00		Per M	
		vi) 19/1.32 mm (19/0.052")	5250.00		Per M	
		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:-	450.00		D 1.4	
		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	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	
		ון, וב עום	55.00		Lucii	
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	3 00		Por Dft	
		(i) 400 Amp (ii) 630 Amp	3.00 3.00		Per Rft Per Rft	
		(iii) 1250 Amp	3.00 4.00		Per Rft	
		(iv) 1600 Amp	5.00		Per Rft	
					Total	
	N1.0	Electrical Work (Non-Schedule)			. Juli	
I ' '	N.S	Supply & installation of LED 24W Down Light (Surface		l	I	ı l

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	CIVITE	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	
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			_	
3	N.S	Engineer Incharge (Philips RC0488 or Equivalent)	1325.00		Each	
3	IN.3	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				
5	N.S	approved by the Engineer Incharge. (WL008C OVAL Philips) Supply & installation of Wall Mounted LED Batten Light 20W (220V~, 6500K) i/c any accessories required at site.	60.00		Each	
		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 equivalent)	120.00		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	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 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)	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	
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				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	CH/ITE	Breaker of 3-P, 63 A (7.5 KA) 1.00 No, Distribution Miniature				
		Circuit Breaker of 1-P, 6~40 Å (6KÅ) 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	
					Total	
1	19/23	Plumbing Work Providing and fixing BATHROOM ACCESSORIES (7-piece set) MASTER BRAND - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge. i) Plastic soap dish ii) Plastic toilet paper holder iii) Plastic tower rail iii) Plastic shelf 60x13 cm (24:x5") with bracket and railing 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	6.00		Each	
6	19/8	ii) Under Counter Vanity Basin Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe and waste coupling.	42.00 15.00		Each 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	40.00 42.00 17.00		Each Each Each	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	J. W. I E	(iv) Muslim shower	17.00		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	450.00		Foob	
		(i) 4" dia (b) Vent Cowel	150.00 10.00		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 connection, etc. complete.	36.00		Each Each	
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	

Item	REF. Nos	Description of Items	Qty	Rate	Unit	Amount (Rs.)
No.	CH/ITE	•	-	(Rs.)		` ′
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 ii) 6" i/d	750.00 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	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	0000 00		D#	
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:	3000.00		Rft	
		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	
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				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
		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	
-					Total	
1 2	N.S 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) Supply and installation of 120mm², 3-core, 11-KV Termination Kit i/c	180.00		Per M	
		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	

Work No.05

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

No.	Ref.	Description	Quantity Ra	te 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 structure with the		
	3/21-A-ii	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		
	26/42	10-years complete in all respect .as approved by the Engineer	62060 25	Per Sft
	20/42	Incharge.	62868.25 Sft	Pei Sil
4		Supplying and laying polythene sheet over D.P.C. under floors		
	26/37-ii	and on roofs, etc 500 gauge (.005" thick)	66260.84	Per Sft

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
5	6/5-i 6/5.f	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): i) Ratio 1:4:8 ii) Ratio (1:2:4)	Sft 12668.64 5728.86		% Cft % Cft	
6		Fabrication of M.S. Reinforcement for cement concrete including bending, laying in position, making joints and fastening i/c cast of binding wire and labour charges for bending of steel reinforcement also includes removal of rust from bars -	Cft			
	6/11-c 6/11-b	Deformed Bar Grade 60 Deformed Bar Grade 40	145615.90 15488.18 Kg		% Kg % Kg	
7	6/6-aiii-	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:- (2) Type B (nominal mix 1: 1½: 3)	9			
	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.	Si.			
i)	6/6-ai-2c	Ground Floor Ratio (1:11/2:3)	26090.29		Per Cft	
ii)		First Floor Ratio (1:1½:3)	1590.63		Per Cft	
i) ii)		Ground Floor Ratio 1:2:4 First Floor Ratio 1:2:4	727.59 26.81 Cft		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)	37330.70 Sft		%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	3/15- ii+17a,b, c	Filling, watering and ramming earth under floors:- ii) with new earth excavated from outside,lead upto one chain (30 m). Transportation of earth all types when the total distance,including the lead covered in the item of work,is more than 1000 ft.(300 m) lead upto 5 mile.	195000.00		%oCft	
13	7/4-i	Pacca brick work in foundation and plinth in:- i) cement, sand mortar:- Ratio 1:5	Cft 14499.78		% Cft	
14		Providing and laying damp proof course of cement concrete 1:2:4 (using cement, sand and shingle), including bitumen coating:-	Cft			
	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:- i) cement, sand mortar:- Ratio 1:5	Sft			
i) ii)	7/5-i	Ground Floor First Floor	26024.82 6543.94 Cft		% Cft % Cft	
16	7/21-ii	First class brick walling laid in 1:3 cement sand mortar, reinforced with 1" (25 mm) wide 18 gauge hoop iron:- ii) 4½" (113 mm) thick walling with hoop iron, bonding 12" (300 mm) apart.				
i)		Ground Floor	6932.50 Sft		% Sft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
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) 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	44/40 5	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. Ratio 1:3	27640.67		ov cer	
i) ii)	11/10-b 11/10- b+11/28	Ground Floor up to 20' height First Floor up to 30' height	37619.67 2286.81		% Sft % Sft	
21		Cement plaster 1:4 upto 20' (6.00 m) height:- b) '½" (13 mm) thick	Sft			
i) ;;\	44/0 5	Upto 20' heights a) '½" (13 mm) thick	400000 00		0/ Ct+	
ii)		b) 3/4" (20 mm) thick	106932.90 40883.01		% Sft % 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	
23		Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof 'slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.mbitumen coating sand blinded.	Sft			
	9/5.		29846.72 Sft		%Sft	
24	9/15.	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	27.00 No		Each	
25	12/15-a	Providing and fixing mild steel chowkat of doors, windows, C.window, etc. including holdfast, making and threading holes for hinges, etc. complete:- a) M.S. angle iron 1½"x 1½"x ½" (40x40x6 mm) welded with M.S. flat 2"x ½" (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	12/00.	Providing and fixing marble strip of any shade for dividing the	Sft		7011	
	10/40.a	mosaic flooring into panels. 'Size 1½" x 3/8" (40 x 10 mm)	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		% Sft	
29	13/31. i+ii+ii	Preparing surface and painting with emulsion paint:- New surface 3-coats	106932.91 Sft		%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	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		%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	1450.00 Rft		P/Rft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
34	13/32A-	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: new surface: 2-				
i)	a-i+ii	Coats upto 20' height	40883.01 Sft	(% Sft	
35	10/61 P	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	Sit			
	i	the Engineer Incharge. (B)Brass sliding bolt, 10" (250 mm) long	172.00 Nos		Each	
36		P/F3/4"dia heavy duty sliding bolt of specified material i/c thecost of hardware complete in all respect as approved and directed by the Engineer Incharge.(A) Iron				
		i) Iron sliding bolt, 10" (250 mm) long 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.	1100			
	10/41.b	complete in all respect. (50% Grey / 50% Coloured 60 mm thick	6306.83 Sft		Per Sft	
38		Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of M/s Al-Cop or Pakistan 'Cables having frame size of 100 x 20 mm (4"x¾") and 'leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6 mm 'thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.				
	25/52.		2720.00 Sft		Per Sft	
39		Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour/powder coated of size 1-1/2"x1/2" and 1.6 mm thick with rubber gasket i /c cost of Hardwares as approved and directed by the engineer incharge complete in all				
	25/53.	respect.	1360.00 Sft		Per Sft	
40	12/54.	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 machine made screws.	707.04		P/Sft	
41	12/44.b	Glazing with panes (16 oz. to 18 oz.,) including cost of putty.	Sft 65.90		P/Sft	
42		Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick(1:3)cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge.Full body Glazed tiles	Sft			
	10/42-a-i	i) 400 mm x 400 mm	26672.69 Sft		Per Sft	
43		Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and patting 3	J.C			
	25/59.i	coat complete in all respect as approved and directed by the Engineer Incharge. a) 3/8" Squar Bars	2720.00 Sft		Per Sft	
44		Providing and fixing 2" wide M S Chowkats in gel / double rebate made of 16 SWG MS sheet pressed /welded /supported with M.S.flat 1-1/4"x1/8"i/c6" long M.S. Flat 1"x1/8" hold fasts (6-Nos) welded /screwed, punching of lock hole covered with MS Box, coating with anti rust paint including filling with cement sand mortar (1:8) and embedding hold fastin cement concrete (1:2:4), complete in all respect as approved and directed by Engineer Incharge.				
	12/60i	(i) 15 " wide	548.00 Sft		Per Sft	

Item No.	REF. Nos	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
45	CH/ITE	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				
	12/51i	sand hammer painting,including carriage to site and fixing in position.	182.00 Sft		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"	Oit.			
	10/24.i		2377.16 Sft		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"				
	10/25.i	/8"x24"/12"x36"	9001.76 Sft		Per Sft	
48		Providing and laying 3/8 inch thick superb class Multani tiles of specified size and design of approved Colorand Shade with adhesive bond ,over1/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer				
	.10/44	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%	
	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	10/48.	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.	24.00		Each	
52	2/22	Providing embeding 10" (250 mm) wide ¼" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof	Nos			
	6/30.	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				
	24/64	approved and directed by the Engineer Incharge.	516.64 Rft		P/Rft	
		Civil Work (Non-Schedule Items)			Total	
1		Making and errecting in position MS Grill Door with M.S box pipe 1.5"x1.5" main frame and M.S Box pipe 1/2"x1/2", 18 SWG for grill, complete in all respects and duly painted as approved by the Engineer Incharge.(Fly/Mosquito Proof Grill Doors for Fixing at Gallaries openings)				
	NS	. • ,	1190.25 Sft		Per Sft	
2		Providing and fixing 3/4" thick laminated Board shutter with 3/4" x 3/4" deodar wood beading wardrobe frame of 3"x1.5" M.S Box pipe 18 SWG including catchers, lock, CP hanger rod with hooks, hinges, french polish on beading complete in all respects including hanger rod etc. as approved by the Engineer Incharge.				
	NS		8316.00 Sft		Per Sft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
3	CHATE	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.				
	NS	complete in an 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 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			
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.	72.00 Sft		P/Sft	
	NS	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 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 Bag		Each	
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	
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:	MI			
i) ii)		3/0.74 mm (3/0.029") 3/0.91 mm (3/0.036")	12668.00 34248.00		Per Rft Per Rft	
iii)	24/10-iii	7/0.74 mm (7/0.029")	20125.00		Per Rft	
iv) v)		7/0.91 mm (7/0.036") 7/1.12 mm (7/0.044")	10553.00 2208.00		Per Rft Per Rft	
vi)		7/1.63 mm (7/0.064")	6677.00 Rft		Per Rft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
3	OHITE	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	(79.27 Per M		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.	i ei wi			
i	24/102.a.ii	Plastic body 12 " dia	10.00		Each	
ii		Steel body 18" sweep	3.00 No		Each 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				
		03 Gange	108.00		Each	
		Three pin Light Plug 10/13 Amp Fan Dimmer	110.00		Each	
		Three Pin Power Plug 15-32 Amp	103.00		Each	
		Large	96.00		Each	
		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 No		Each	
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')				
7	24/91.i,b,iv.	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		Each	
i	24/87.a.x	300-630 Amp(36 KA)	2.00			
ii	24/87.a.x	125-250 Amp(25KA)	2.00		Each	
	24/87.a.vi	120 200 / 11110 (2010 1)	1.00		Each	
iii)	24/87.a.ii	15-100 Amp (10 KA,15KA)	20.00 No		Each	
8		P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).75~100A (30"x22"x6")			F	
	24/90-a.ii		9.00		Each	
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)	No			
		1	0.00	I	F	ī
	24/87-a-ii		9.00		Each	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
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	
		Electric Work (Non-Schedule Items)			Total	
1	NS	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)	103.00 No		Each	
2		Supply & installation of Ceiling Fans, 56" sweep (As per				
	NS	"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	NS	Supply & installation of Metal Body Wall Bracket Fan 24" (99.99% Copper) i/c any accessories (i.e. widing of mounting holes and 4.00nos of rawl bolts ¼" etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (SK mega or Equivalent)	8.00		Each	
4	NS	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)	128.00		Each	
5		Supply & installation of Strip (patti) with 20W Led tube rod (220V~, 6500K) i/c any accessories required at site. Complete in	Nos			
	NS	all respect as directed and approved by the Engineer Incharge (Philips or Equivalent)	340.00 No.		Each	
6	NS	Supply & installation LED flood light 100 watt Philips quality including casing bracket, hanging arrangement complete in all respects as approved by the Engineer Incharge.	16.00		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)	No 1.00		Each	
8		Providing and Laying earthing for Electric Machines I/c boring up to moisture level (up to 60' below ground level) 4" i/d including copper strip 14" x 2" x 1/4" (350 x 50 x 6 mm) connecting with 1 Nos.bare copper wire of No.8 SWG to be run in PVC pipe 20mm i/d, 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		2.00 No		Each Total	
1	19/4ii.	Plumbing Work (Schedule Items) Providing and fitting glazed earthen ware water closet squatter type (Orissa pattern) combined with foot rest. (Coloured).	21.00		Each	
2		Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.	No			
		i. coloured, with pedestal ii. Under Counter Vanity Basin	6.00 20.00 No		Each Each	
3	19/27.ii	Providing and Fixing Crommium plated bib cock 1/2" dia with plastic head.	38.00 Nos		Each	
4	19/24.ii	Providing and fixing chromium plated pillar-cock, heavy:- ii) (1/2")	6.00 No.		Each	
5	19/28	Providing and fixing chromium plated tee stop cock '15mm (½").	34.00		Each	

Providing and fixing BATHROOM ACCESSORIES (7-piece set) MASTER BRAND- One Coemics Shift. One Tower fail with bracket, by the control of the state of the common state	Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
19/23. i) plastic soap dish ii) plastic collet paper holder iii) plastic totalet paper holder iii) plastic tower all plastic tower all Providing and fitting plastic made low down flushing cistem 13.63 litro (3 gallonis) capacity, including tracket set, copper commetion, etc. complete, ii) coloured 25.00 No. Providing and fixting, chromium plated mixing valve, for wash hand basin, sink or shower, a se approved by the engineer in charge. Providing and fixting, chromium plated mixing valve, for wash hand basin, sink or shower, a se approved by the engineer in charge. Earthwork exacustion in open cutting for severs and menholes as covering to templates and leveling including shruteing and timborting, dressing to correct section and dimensions according to templates and leveling, 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 sewers, moulded with cement concrete 11½3 conforming to ASTM Specification C-76-79. Concrete (11½3) conforming to Concrete alignment and grade. In the concrete and the concrete alignment and grade. In the concrete and the concrete alignment and grade. In the concrete and the concrete alignment and grade. In the concrete and the concrete alignment and grade. In the concrete and the concrete	6	CHITE	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	No.			
ii) plastic toleip apport holder iii) plastic tower rall iii) plastic tower rall iii) plastic make the content of the plastic make low down flushing cistern 18.6 litre (3 gallions) capacity, including bracket set, copper connection, etc. complete, iii) coloured 8. Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower, as approved by the engineer in charge 9. Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower, as approved by the engineer in charge in connection, etc. Complete in all respects. 10. End to etc. Complete in connection, etc. Complete in all respects as approved and etc. Connection, etc. Complete in all respect as approved and etc. Connection, etc. Complete in all respect as approved and etc. Connection, etc. Complete in all respect as approved and etc. Connection, etc. C		19/23.					
iii) plastic towel rail Providing and fitting plastic made low down flushing cistern 1913.1 1913.1 Solitino 13 gallone) capacity, including bracket set, copper connection, etc. complete, ii) coloured No. Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower, as approved by the engineer in charge Earthwork excavation in open cutting for severs and manholes as shown in drawings including shuttering and embering, disessing to correct section and dimensions according to learning disessing to correct section and dimensions according to learning disessing to correct section and dimensions according to learning disessing to correct section and dimensions according to learning disessing to correct section and dimensions according to learning disessing to correct section and dimensions according to learning disessing to correct section and dimensions according to learning disessing to correct section and disease. Providing and laying R.C.C. pips sewers, moulded with cement corrects 1:11/3 conforming to ASTM Specification C-76-79, Class II. Wall B, including carriage of pips from factory to site of work. (lowering in terribones to correct alignment and grade, jointing 30 mm (12 Tild Report of the correct alignment and grade, jointing 30 mm (12 Tild Report of the correct alignment and grade, jointing 30 mm (12 Tild Report of the correct alignment and grade, jointing 31 mm (12 Tild Report of the correct alignment and grade of the correct and an alignment and grade of the correct and grade of the correct							
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Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower, as approved by the engineer in charge 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 succept shingle, gravel and rock: '0 ft. to 7.0 ft. ('10 to 2.10 m') depth Providing and laying R.C.C. pipe sewers, moulded with cement concident 1.1½-5 conforming to ASTM Specification C-76-79, Class II. Wall B, including carriage of pipe from factory to site of work, lowering in tenches to correct alignment and grade, joining, joini	7	19/13.i	13.63 litre (3 gallons) capacity, including bracket set, copper			Each	
19/30. hand basin, sink or shower, as approved by the engineer in charge charge charge in charge			, , , , , , , , , , , , , , , , , , , ,	No.			
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) Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:11/3 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 21/3 i 310 mm (12') i/d Pacca brick work in foundation and plinth in:-i) cement, sand mortar- Ratio 1:3 12 11/8.b Cement plaster 1:3 upto 20' (6.00 m) height:- b) '%' (13 mm) thick Constructing standard guily grating chamber, 3'x2½' '(900x750 mm), with chinaware trap as per PHED Drawing STD/PD No. 3 21/8. of 1977, complete in all respects. 14 21/9. Extra for making and finishing benching floor work in manhole chamber, with 1/8' (3 mm) thick cement finish. 15 Providing, fixing, testing and commissioning of ty-PVC (Unplasticzed polyviny Chindre) Nikasi /wasteripe 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 Vent Cowel 4' dia Vent Cowel 4' dia Setting and commissioning of ty-PVC (Unplasticzed polyviny Chindre) Nikasi /waster pipe make of dadex /Popular /Beta/BBJ plain/ socket ended conforming to code EN-1401 including thecost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge. P-Trap 4' dia Vent Cowel 4' dia Setting and commissioning of p-PVC (Unplasticzed polyviny Chindre) Nikasi /waster pipe make of dadex /Popular /Beta/BBJ plain/ socket ended conforming to code EN-1401 of specified SDR (Slandard Dimension Ratio) including thecost of specials and Solvents complete in all respects as approved and directed by the Engineer Incharge. Type (SDR 32.5/SN-8) 4"(110 mm) 19/47. Providing, laying, testing and commissioning o	8	19/30.	hand basin, sink or shower, as approved by the engineer in	26.00		Each	
Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:13:-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 310 mm (12") i/d 1.215.00 mt, lowering in trenches to correct alignment and grade, jointing 310 mm (12") i/d 1.215.00 mt, lowering in trenches to correct alignment and grade, jointing 310 mm (12") i/d 1.215.00 mt, lowering in trenches to correct alignment and grade, jointing 310 mm (12") i/d 1.215.00 mt, lowering in trenches to correct alignment and grade, jointing 310 mm (12") i/d 1.215.00 mt, lowering in trenches to correct alignment and grade, jointing 310 mm (12") i/d 1.215.00 mt, lowering in trenches to correct alignment and grade, jointing 310 mm (12") i/d 1.215.00 mt, lowering in trenches to correct alignment, sand mortar. Ratio 1:3 mt, lowering 310 m	9	3/42-i	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)	8848.48		%0 Cft	
concrete 1:11/s/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, ioniming 310 mm (12') i/d 1. 7/4.i Pacca brick work in foundation and plinth in:- i) cement, sand mortar Ratio 1:3 2066.58 Cht 118.b Cement plaster 1:3 upto 20' (6.00 m) height:- b) '%' (13 mm) thick 5676.00 % Sft 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 No Sft 21/8. of 1977, complete in all respects. 6.00 Sft 21/9. Providing, fixing, testing and commissioning of µ-PVC (Unplasticized polyvinyl Chloride) Nikasi /wastepipe Fittings make of dadex. /Popular Retar Bb Jacon Formingto code EN-1401 including theocast of Solvents complete in all respect as approved and directed by the Engineer Incharge. P-Trap 4' dia Nulti-Trap 4' dia Vent Cowel 4' dia 22.00 Each Nos Nos Providing, fixing testing and commissioning of µ-PVC (Unplasticized polyvinyl Chloride) Nikasi /wastepipe make of dadex. /Popular Petar Bb Jacon Formingto code EN-1401 including theocast of Solvents complete in all respect as approved and directed by the Engineer Incharge. P-Trap 4' dia Vent Cowel 4' dia 22.00 Each Nos			·				
10	10		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,				
T/4.i mortar:- Ratio 1:3 2066.58 Cft Cft	i)	21/3 i	310 mm (12") i/d			P/Rft	
b) '%" (13 mm) thick 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. Extra for making and finishing benching floor work in manhole chamber, with 1/8" (3 mm) thick cement finish. 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. Providing, fixing testing and commissioning of µ-PVC (Unplasticized polyvinyl Chloride) Nikasi /wastepipe Fittings Multi-Trap 4" dia 69.00 Each Vent Cowel 4" dia 69.00 Each Vent Cowel 4" dia 69.00 Each Vent Cowel 4" dia 70.00 Nos 69.00 Nos 69.00 Each Vent Cowel 4" dia 70.00 Nos 69.00 Nos 69.00 Each Vent Cowel 4" dia 70.00 Nos 69.00 Nos 69.00 Each Vent Cowel 4" dia 70.00 Nos 69.00 Nos 69.00 Each Vent Cowel 4" dia 70.00 P/Rft 70.00 Nos 69.00 No	11	7/4.i				% Cft	
mm), with chinaware trap as per PHED Drawing STD/PD No. 3 of 1977, complete in all respects. Extra for making and finishing benching floor work in manhole chamber, with 1/8" (3 mm) thick cement finish. 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 Multi-Trap 4" dia Vent Cowel 4" dia Providing, fixing testing and commissioning of μ-PVC (Unplasticized polyvinyl Chloride) Nikasi /waste pipe make of dadex /Popular /Beta/BBJ plain/ socket ended conforming to code EN-1401 of specified SDR (Standard Dimension Ratio) including 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. 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 ic cost of solvents, specials, making jharries complete in all respectas approved and directed by Engineer Incharge. (Internal/External Diameters mentioned). PN-20 pipe ii)(3/4") 25 mm iii)(1") 32 mm vi)(2") 63 mm 1211.00 P/Rft P/Rft	12	11/8.b				% Sft	
Extra for making and finishing benching floor work in manhole chamber, with 1/8" (3 mm) thick cement finish. 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 Multi-Trap 4" dia Vent Cowel 4" dia 22.00 Each Vent Cowel 4" dia 22.00 Each Vent Cowel 4" dia 20.00 Nos 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. 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 directed by Engineer Incharge. (Internal/External Diameters mentioned). PN-20 pipe ii) (3/4") 25 mm 523.00 P/Rft iii) (3/4") 25 mm 1211.00 P/Rft iii) (1/2") 63 mm 1211.00 P/Rft vi)(2") 63 mm	13	21/8.	mm), with chinaware trap as per PHED Drawing STD/PD No. 3	6.00		Each	
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 Multi-Trap 4" dia Vent Cowel 4" dia Providing, fixing testing and commissioning of μ-PVC (Unplasticized polyvinyl Chloride) Nikasi /waste pipe make of dadex /Popular /Beta/BBJ plain/ socket ended conforming to code EN-1401 of specified SDR (Standard Dimension Ratio) including 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) 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 directed by Engineer Incharge.(Internal/External Diameters mentioned). PN-20 pipe ii)(3/4") 25 mm iii)(1") 32 mm vi)(2") 63 mm Sft Sft Sft Sft Sft Factor 69.00 Each 22.00 Each 22.00 Each 22.00 P/Rft Each 20.00 Nos P/Rft 905.07 Rft P/Rft P/Rft 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 directed by Engineer Incharge.(Internal/External Diameters mentioned).	14	21/9.	Extra for making and finishing benching floor work in manhole			% Sft	
Multi-Trap 4" dia Vent Cowel 4" dia Providing ,fixing testing and commissioning of µ-PVC (Unplasticized polyvinyl Chloride) Nikasi /waste pipe make of dadex /Popular /Beta/BBJ plain/ socket ended conforming to code EN-1401 of specified SDR (Standard Dimension Ratio) including 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. 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 ii)(3/4") 25 mm 523.00 P/Rft iii)(1") 32 mm vi)(2") 63 mm 521.00 P/Rft	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	Sft			
Vent Cowel 4" dia Vent Cowel 4" dia Providing, fixing testing and commissioning of μ-PVC (Unplasticized polyvinyl Chloride) Nikasi /waste pipe make of dadex /Popular /Beta/BBJ plain/ socket ended conforming to code EN-1401 of specified SDR (Standard Dimension Ratio) including 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. 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 ii)(3/4") 25 mm iii)(1") 32 mm vi)(2") 63 mm Each Nos Popular 1905.07 Rft PRft PRft PRft PRopyLene Random CopolyMer (PPRC) PRopyLene Random CopolyMer (PPRC) PRopyLene Random CopolyMer (PPRC) PRft PRopyLene Random CopolyMer (PPRC) PRft			·				
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. 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 ii)(3/4") 25 mm iii)(1") 32 mm vi)(2") 63 mm Nos Nos Nos Nos			·				
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. 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 ii)(3/4") 25 mm	16		Providing ,fixing testing and commissioning of μ-PVC			Each	
19/47. 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 lncharge.(Internal/External Diameters mentioned). PN-20 pipe ii)(3/4") 25 mm iii)(1") 32 mm			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				
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 ii)(3/4") 25 mm 523.00 P/Rft iii)(1") 32 mm 1211.00 P/Rft vi)(2") 63 mm 1050.00		19/47.				P/Rft	
PN-20 pipe 523.00 P/Rft ii)(3/4") 25 mm 523.00 P/Rft iii)(1") 32 mm 1211.00 P/Rft vi)(2") 63 mm 1050.00 P/Rft	17	23/47.bii	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	Rft			
iii)(1") 32 mm vi)(2") 63 mm 1211.00 P/Rft P/Rft			• •				
vi)(2") 63 mm 1050.00 P/Rft			l '', '				
■ D#			VI)(2) 03 HIII	1050.00 Rft		P/Rft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
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	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 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.				
	.19/52-iv	(iv) Open Type Wall Shower	30.00 No		Each	
I 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.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	3/21-A-ii	Excavation in foundation of building, bridges and other structures including dag-belling, dressing, refilling around structure with the excavated earth. i) In ordinary Soil	58486.15		%oCft	
3	26/42	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.	Cft 62868.25		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)	Sft 66260.84 Sft		Per Sft	
5		Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): i) Ratio 1:4:8 ii)'Ratio (1:2:4)	12668.64 5728.86 Cft		% Cft % Cft	
6		Fabrication of M.S. Reinforcement for cement concrete including bending, laying in position, making joints and fastening i/c cast of binding wire and labour charges for bending of steel reinforcement also includes removal of rust from bars -	-			
	6/11-c 6/11-b	Deformed Bar Grade 60 Deformed Bar Grade 40	145615.90 15488.18 Kg		% Kg % Kg	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
7	6/6-aiii-	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:- (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	0/0 : 0	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.				
i) ii)	6/6-ai-2c	Ground Floor Ratio (1:1½:3) First Floor Ratio (1:1½:3)	26090.29 1590.63		Per Cft Per Cft	
i) ii)		Ground Floor Ratio 1:2:4 First Floor Ratio 1:2:4	727.59 26.81 Cft		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)	37330.70 Sft		%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		Per Sft	
11	3/15i.	Filling, watering and ramming earth under floors:- i) with surplus earth from foundation, etc.	Sft 19495.38 Cft		%oCft	
12	3/15- ii+17a,b, c	Filling, watering and ramming earth under floors:- ii) with new earth excavated from outside,lead upto one chain (30 m). Transportation of earth all types when the total distance,including the lead covered in the item of work,is more than 1000 ft.(300 m) lead upto 5 mile.	195000.00		%oCft	
13	7/4-i	Pacca brick work in foundation and plinth in:- i) cement, sand mortar:- Ratio 1:5	Cft 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:- (a) with one coat bitumen and one coat polythene sheet 500	O.			
	6/35ai	gauge. ii) 1-1/2" thick (40 mm)	2518.85 Sft		%Sft	
15 i) ii)	7/5-i	Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:5 Ground Floor First Floor	26024.82 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	Cft			
i)	7/21-ii	mm) apart. Ground Floor	6932.50 Sft		% Sft	
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) 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 i)	11/10-b	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. Ratio 1:3 Ground Floor up to 20' height	37619.67		% Sft	
ii)	11/10- 11/10- b+11/28	First Floor up to 30' height	2286.81 Sft		% Sft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
21	OH/III	Cement plaster 1:4 upto 20' (6.00 m) height:- b) '½" (13 mm)				
i)		thick Upto 20' heights				
ii)		a) '½" (13 mm) thick	106932.90		% Sft	
	11/9-c	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	
23		Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof 'slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.mbitumen coating sand	Sft			
	9/5.	blinded.	29846.72		%Sft	
0.4	0/45	M (Al Al All (000	Sft			
24	9/15.	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	27.00 No		Each	
25	12/15-a	Providing and fixing mild steel chowkat of doors, windows, C.window, etc. including holdfast, making and threading holes for hinges, etc. complete:- a) M.S. angle iron 1½"x 1½"x ¼" (40x40x6 mm) welded with M.S. flat 2"x ¼" (50 mm x 6 mm)	2765.00		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	Sft			
	12/50.	matching wooden lipping as approved and directed by the Engineer Incharge.	1925.00 Sft		P/Sft	
27	10/40.a	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels. 'Size 1½" x 3/8" (40 x 10 mm)	2,566.36		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	Rft 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		%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	1925.00 Sft		%Sft	
31	11/22.	Priming coat of chalk under distemper.	39906.48		%Sft	
32	11/23.a.i	Distempering:- a) new surface:- iii) three coats	Sft			
33	ii	Providing and fixing 6 in(150 mm). wide curved sheet of required	39906.48 Sft		%Sft	
	6/26-ii	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	1450.00 Rft		P/Rft	
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	Nit			
i)		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.			Eco!	
36	1	(B)Brass sliding bolt, 10" (250 mm) long 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	172.00 Nos		Each	
		i) Iron sliding bolt, 10" (250 mm) long ii) Iron sliding bolt, 12" (300 mm) long	91.00 95.00 Nos		Each Each	

ltem No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
37	10/41.b	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	6306.83	-	Per Sft	
	10/41.5		0300.83 Sft		Fei Sit	
38		Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of M/s Al-Cop or Pakistan 'Cables having frame size of 100 x 20 mm (4"x¾") and 'leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6 mm 'thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	•			
	25/52.		2720.00		Per Sft	
39	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.	Sft 1360.00		Per Sft	
	25/55.	· · · · · · · · · · · · · · · · · · ·			l el oit	
40	12/54.	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 707.04		P/Sft	
		machine made screws.	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 Sft		Per Sft	
43	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	2720.00		Per Sft	
			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.				
	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 in				
	12/51i	position.	182.00 Sft		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"	5			
	10/24.i	, , , , , , , , , , , , , , , , , , , ,	2377.16		P/Sft	
			Sft	l	1	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
47	10/25.i	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size, Glossy/Matt/Texture skirting / dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) 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"	9001.76		Per Sft	
48		Providing and laying 3/8 inch thick superb class Multani tiles of specified size and design of approved Colorand Shade with adhesive bond ,over1/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer	Sft			
40	.10/44	Incharge.	238.20 Sft		P/Sft	!
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 Incharge.3/4" thick	2398.84		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.	Sft 980.00 Rft		Per Rft	
51	10/48.	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.	24.00		Each	
52	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.	Nos 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				
<u> </u>	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 Sft		Per Sft	
2		Providing and fixing 3/4" thick laminated Board shutter with 3/4" x 3/4" deodar wood beading wardrobe frame of 3"x1.5" M.S Box pipe 18 SWG including catchers, lock, CP hanger rod with hooks, hinges, french polish on beading complete in all respects including hanger rod etc. as approved by the Engineer Incharge.				
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	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 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	

ltem No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
7	0	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,	Sft			
	NS	drawing and as approved by the Engineer Incharge.	72.00		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.	Sft			
		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	650.00		P/Rft	
10		incharge 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			
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:				
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		Per Rft	
iv)		7/0.74 mm (7/0.029) 7/0.91 mm (7/0.036")	20125.00 10553.00		Per Rft Per Rft	
v)		7/1.12 mm (7/0.044")	2208.00		Per Rft	
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.l. wire 16 SWG.120 mm (37/0.083")	Rft			
	24/13-d		79.27 Per M		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.				
i ii	24/102.a.ii	.Plastic body 12 " dia Steel body 18" sweep	10.00 3.00		Each 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	No			

6 2-4 7 i 2 ii 2 iii 2 iii)	CH/ITE	Small 03 Gange Three pin Light Plug 10/13 Amp Fan Dimmer Three Pin Power Plug 15-32 Amp Large 04 Gange 05 Gange 06 Gange Two way Gange Switch small 03 Gange 04 Gange 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') Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit	108.00 110.00 103.00 96.00 57.00 24.00 32.00 108.00 11.00 No	(Rs.)	Each Each Each Each Each Each Each	
7 i 2 2 ii 2 iii) 2	:4/91.i,b,iv.	Three pin Light Plug 10/13 Amp Fan Dimmer Three Pin Power Plug 15-32 Amp Large 04 Gange 05 Gange 06 Gange Two way Gange Switch small 03 Gange 04 Gange 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')	110.00 103.00 96.00 57.00 24.00 32.00 108.00 11.00		Each Each Each Each Each Each Each	
7 i 2 2 ii 2 iii) 2	:4/91.i,b,iv.	Three pin Light Plug 10/13 Amp Fan Dimmer Three Pin Power Plug 15-32 Amp Large 04 Gange 05 Gange 06 Gange Two way Gange Switch small 03 Gange 04 Gange 09 Gange 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')	110.00 103.00 96.00 57.00 24.00 32.00 108.00 11.00		Each Each Each Each Each Each Each	
7 i 2 2 ii 2 iii) 2	:4/91.i,b,iv.	Fan Dimmer Three Pin Power Plug 15-32 Amp Large 04 Gange 05 Gange 06 Gange Two way Gange Switch small 03 Gange 04 Gange 04 Gange 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/o 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')	103.00 96.00 57.00 24.00 32.00 108.00 11.00		Each Each Each Each Each	
7 i 2 2 ii 2 iii) 2	:4/91.i,b,iv.	Three Pin Power Plug 15-32 Amp Large 04 Gange 05 Gange 06 Gange Two way Gange Switch small 03 Gange 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')	96.00 57.00 24.00 32.00 108.00 11.00		Each Each Each Each	
7 i 2 2 ii 2 iii) 2	:4/91.i,b,iv.	Large 04 Gange 05 Gange 06 Gange Two way Gange Switch small 03 Gange 04 Gange 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')	57.00 24.00 32.00 108.00 11.00		Each Each Each Each	
7 i 2 2 ii 2 iii) 2	:4/91.i,b,iv.	04 Gange 05 Gange 06 Gange Two way Gange Switch small 03 Gange 04 Gange 04 Gange 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')	24.00 32.00 108.00 11.00		Each Each Each	
7 i 2 2 ii 2 iii) 2	:4/91.i,b,iv.	05 Gange 06 Gange Two way Gange Switch small 03 Gange 04 Gange 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')	24.00 32.00 108.00 11.00		Each Each Each	
7 i 2 2 ii 2 iii) 2	:4/91.i,b,iv.	Two way Gange Switch small 03 Gange 04 Gange 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')	32.00 108.00 11.00		Each Each	
7 i 2 2 ii 2 iii) 2	:4/91.i,b,iv.	Two way Gange Switch small 03 Gange 04 Gange 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')	32.00 108.00 11.00		Each Each	
7 i 2 2 ii 2 iii) 2	:4/91.i,b,iv.	03 Gange 04 Gange 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')	108.00 11.00		Each	
7 i 2 2 ii 2 iii) 2	:4/91.i,b,iv.	04 Gange 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')	11.00			
7 i 2 2 ii 2 iii) 2	:4/91.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/o 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')	11.00			
7 i 2 2 ii 2 iii) 2	:4/91.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/o 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')			Lacii	
7 i 2 ii 2 iii) 2	:4/91.i,b,iv.	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			
7 i 2 iii) 2 2	:4/91.i,b,iv.	, ,		1		
7 i 2 iii) 2 2	. /	Supplying Installation and commissioning of MCCB (Moulded Case Circuit	1.00		Each	
ii 2· iii) 2· 2·		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		Lucii	
ii 24 iii) 2		300-630 Amp(36 KA)				
iii) 2	24/87.a.x		2.00		Each	
2	24/87.a.vi	125-250 Amp(25KA)	1.00		Each	
	24/87.a.ii	15-100 Amp (10 KA,15KA)	20.00		Each	
8	2-7/07 .a.ii		20.00 No		Eacii	
9	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") 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,	9.00 No		Each	
		necessary wire complete in all respect as approved and directed				
		by the Engineer Incharge. There Pole 15-100 Amp (10 KA,15KA)			1	
2	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	No			
2	24/86-a-ii	in all respect as approved and directed by the Engineer Incharge.6-40 Amp (6 KA)	216.00 No		Each	
		<u> </u>			Total	
1	NO	Electric Work (Non-Schedule Items) Supply & installation of PVC Fan Box with iron bar i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (GM, Bita or equivalent)	102.00		Eash	
	NS		103.00 No		Each	
2		Supply & installation of Ceiling Fans, 56" sweep (As per	INU			
_		"Pakistan Energy Lable" certified manufacturers). i/c any				
		accessories required at site. Complete in all respect as directed	102.00		Each	
	NS	and approved by the Engineer Incharge	103.00 No			l

tem No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
3	OHITE	Supply & installation of Metal Body Wall Bracket Fan 24"				
		(99.99% Copper) i/c any accessories (i.e. widing of mounting				
		holes and 4.00nos of rawl bolts 1/4" etc) as required at site.				
		Complete in all respect as directed and approved by the				
	NS	Engineer Incharge (SK mega or Equivalent)	8.00		Each	
4		Supply & installation of LED 24 W Down Light 6500 K ,2000				
		Lumen (Surface Mounted, 220V~) i/c any accessories required				
		at site. Complete in all respect as directed and approved by the				
		Engineer Incharge (Philips Essential or Equivalent)				
	NS		128.00		Each	
			Nos			
5		Supply & installation of Strip (patti) with 20W Led tube rod				
•		(220V~, 6500K) i/c any accessories required at site. Complete in				
		all respect as directed and approved by the Engineer Incharge				
	NS	(Philips or Equivalent)	340.00		Each	
	110	(1 mips of Equivalent)	No.			
6		Supply & installation LED flood light 100 watt Philips quality	140.			
U		including casing bracket, hanging arrangement complete in all				
	NS	respects as approved by the Engineer Incharge.	16.00		Each	
	INO		No		Lacii	
7		Supply and Installation of Stainless Staal/Aluminum Exhaust	NO			
,		Supply and Installation of Stainless Steel/Aluminum Exhaust				
		Hood with exhaust fan (170W) and 4 x20W halogen lamp i/c any				1
		other accessories required at site. Complete in all respects as				
	NO	approved by Engineer Incharge. (Canon-HD-GL9011 or	4.00			
	NS	Equivalent)	1.00		Each	
		Description and Leving southing for Electric Advisor 1997	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 directed				
		by the engineer incharge.				
	NS	, , ,	2.00		Each	
	140		No		Lacii	
			140		Total	
		Plumbing Work (Schedule Items)			Total	
4						
1		Providing and fitting glazed earthen ware water closet squatter				
	40/4::	type (Orissa pattern) combined with foot rest. (Coloured).	24.00		Fach	
	19/4ii.		21.00		Each	
_		But the second for the second	No			
2		Providing and fitting glazed earthen ware wash hand basin				
		56x40 cm (22"x16") including bracket set, waste pipe and waste				
	40/7:	coupling, etc.	0.00			
		i. coloured, with pedestal	6.00		Each	
	19/7.v	ii. Under Counter Vanity Basin	20.00		Each	
_		5	No			
3	19/27.ii	Providing and Fixing Crommium plated bib cock 1/2" dia with	20.00			
		plastic head.	38.00		Each	l
			Nos			ı.
4	19/24.ii	Providing and fixing chromium plated pillar-cock, heavy:-	5.00		<u> </u>	
		ii) (1/2")	6.00		Each	
			No.			
5	19/28	Providing and fixing chromium plated tee stop cock '15mm (½").				
		'	34.00		Each	
			No.			
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				1
		all respect as approved and directed by the Engineer incharge				1
	19/23.					
		i) plastic soap dish	12.00		Each	
		ii) plastic toilet paper holder	12.00		Each	
		1				
		iii) plastic towel rail	12.00		Each	1
			No.			
7		Providing and fitting plastic made low down flushing cistern				
		13.63 litre (3 gallons) capacity, including bracket set, copper				
	19/13.i	connection, etc. complete. ii) coloured	25.00		Each	
	_,	Sample of the sa	No.			
		<u> </u>	INU.			
C				1	Ī	Ī
8		Providing and fixing, chromium plated mixing valve, for wash				
8	40/00	hand basin, sink or shower, as approved by the engineer in				
8	19/30.		26.00		Each	

tem No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
9		Earthwork excavation in open cutting for sewers and manholes				
		as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to				
		templates and levels, and removing surface water, in all types of				
	3/42-i	soil except shingle, gravel and rock:-'0 ft. to 7.0 ft. (0 to 2.10 m) depth	8848.48		%0 Cft	
	3/42 1	шерит	Cft		700 OIL	
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,				
	04/0:	jointing	4.045.00		D/D()	
i)	21/3 i	310 mm (12") i/d	1,215.00 Rft		P/Rft	
11		Pacca brick work in foundation and plinth in:- i) cement, sand				
	7/4.i	mortar:- Ratio 1:3	2056.58		% Cft	
12	11/8.b	Cement plaster 1:3 upto 20' (6.00 m) height:-	Cft			
_	11/0.5	b) 1½" (13 mm) thick	5676.00		% Sft	
			Sft			
13		Constructing standard gully grating chamber, 3'x2½' '(900x750 mm), with chinaware trap as per PHED Drawing STD/PD No. 3				
	21/8.	of 1977, complete in all respects.	6.00		Each	
			No]	
14	21/9.	Extra for making and finishing benching floor work in manhole	150.00		0/ Ctr	
	Z 1/3.	chamber, with 1/8" (3 mm) thick cement finish.	150.00 Sft		% Sft	
15		Providing, fixing, testing and commissioning of μ-PVC	Oit			
		(Unplasticized polyvinyl Chloride) Nikasi /wastepipe Fittings				
		make of dadex /Popular /Beta/ BBJ conformingto code EN-1401				
	19/48.	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	
10		Description for the Acadima and accomplishing of a DVC	Nos			
6		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		P/Rft	
7		Description to the state of a second convenience of POLY	Rft			
17		Providing, laying, testing and commissioning of POLY PROPYLENE RANDOM COPOLYMER (PPRC) water supply				
		pipe made of (Dadex/Popular/Beta/BBJ) with specified				
		pressurerating PN (PRESSURE NOMINAL) and conforming to				
		DIN 8077-8078 code i/c cost of solvent, specials ,making jharries complete in all respectas approved and directedby Engineer				
		Incharge.(Internal/External Diameters mentioned).				
	23/47.bii					
		PN-20 pipe	E00.00		D/D#	
		ii)(3/4") 25 mm iii)(1") 32 mm	523.00 1211.00		P/Rft P/Rft	
		vi)(2") 63 mm	1211.00		P/Rft	
		1.7/2 / 30	Rft		// // //	
18		Providing and fixing 1/2" dia Muslim Shower of Fasial /Master	1311			
		comprising of 1/2 "diaone-meter long rubber /CP fexible pipe and				
	19/50.	hand showers etc omplete in all respects as approved and	25.00		Each	
	19/30.	directed by the Engineer Incharge.	25.00 No		Lacii	
9		Providing and fixing stainless steel sink with drain board, size	-			
	10/0	120x60 cm (48"x24") including bracket set, waste pipe and	C 00		Foot	
	19/8.	waste coupling.	6.00 No.		Each	
20		Providing and fitting Europeon Coupled set of Water Closet	INO.			
_0		(WC) and flushing Cistern of PORT Abr and (full size) i/c thecost				
		of CP /rubber connection ,thimble ,seat cover and rawal bolts				
	10/2	complete in all respects asapproved and directed by the	/L O.O.		Fach	
	19/3.	Engineer Incharge.	4.00 No		Each	
		1	110	I	1	1

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
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.				
	.19/52-iv	(iv) Open Type Wall Shower	30.00 No		Each Total	
!]		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 No.1 at Baghdad-ul-Jadeed Campus

MRS Jul to Dec, 2021

No.	Reff.	Description	Quantity	Rate	Unit	Amount
		Civil Work	Í			
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). 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	1	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	97500.00		%o Cft	
		mile	1500.00		%o Cft	
I		1	I	ı	J	l

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

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	CHITE	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 ½" (5 mm) thick the protection of the cost of ½" (5 mm) thick the cost of ½" (5 mm) thick the cost of ½" (10 mm) thick				
		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 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	Α	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	+13/39	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		% Sit	
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.				
35	10/15	Matt Finish Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- 3" thick	280.00 3200.00		Per Sft % 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				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	SIMILE	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	
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.	2300.00			
		12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	2250.00		Per Sft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
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	
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 1¼" x 1"and 1½" x 1" both at 4' c/c (made of Taiwan CKM or equivalent), hanging with G.I/Copper wire 16 SWG, G.I hook, Rawal Plug etc: complete in all respects as approved and directed by the Engineer Incharge.				
		9 mm thick	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	00.00		1 51 311	
00	10/23	In revious and traing with Graung comprising of Affgle from		1	ı	ı İ

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	011,1112	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.				
62	12/57	2-1/4" x 3" x 9" Providing and fixing ornamental wooden architrave 3" x	22500.00		Per Sft	
		(1½" tapered to ½") all along the door frame complete in all respects Deodar wood architrave	1020.00		Per Sft	
		Civil Work (Non-Schedule)			Total	
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, 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	
		Plumbing Work			Total	
1	3/44	Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, leveling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects.	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	16.00		Each	

Please to total paper holder 16.000	Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
Bij Plastis shaft 60x13 cm (24x57) with bracket and railing 4,00 6 ch 191							
Voloriding and fitting glazed earthern ware water closet European type, excitating and fitting glazed earthern ware water closet. European type, excitating seat and covers only. Bakelite 10.00 Each							
4 19/1 Providing and fitting glazed earthen ware water closet European type, excluding seat and cover-cover of the cover o							
yppe, excluding seat and cover- coloured 1920 Providing and fixing, double seat and cover only. Bakelite 1931 Providing and fixing, double seat and cover only. Bakelite 1932 Providing and fixing glazed earthen ware water closest, squatter type (Potago patient), combined with bot rest. 1937 Providing and fitting glazed earthen ware wash hand basin could be counted as the county of the cou			IV) Looking glass with plastic frame	4.00		Each	
yppe, excluding seat and cover- coloured 1920 Providing and fixing, double seat and cover only. Bakelite 1931 Providing and fixing, double seat and cover only. Bakelite 1932 Providing and fixing glazed earthen ware water closest, squatter type (Potago patient), combined with bot rest. 1937 Providing and fitting glazed earthen ware wash hand basin could be counted as the county of the cou	4	10/1	Providing and fitting glazed earthen ware water closet Furgnean				
coloured Providing and fixing, double seat and cover only. Bakelite 1942 Providing and fixing glazed earthen ware water closet, squatter type (Drisa patient), combined with host rest. 18.00 1971 1977 Providing and fixing glazed earthen ware wash hand basin Sox40 cm (227x16") including bracket set, waste pipe and waste coupling, etc. 1982 Providing and fixing stainless steel sink with drain board, size and state of the coupling		10/1					
6 19.44 Providing and fitting glazed earthen ware water closet, squatter type (Orise pattern), combined with foot rest. coloured 7 19.7 Providing and fitting glazed earthen ware wash hand basin StA40 cm (22*Nf*) including bracket set, waste pipe and waste coupling, etc. 8 19.8 Providing and fixing stanless steel sink with drain board, size 124.00 Each 8 19.6 Providing and fixing stanless steel sink with drain board, size 124.00 Each 9 19.52 Providing and fixing CP bath Room Set made of Sonox/Master/Esiacl comprising of 3-No Toe 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. 9 13. No Toe Stap Cock (ii) Liver Type Basin Mixer (iii) Lover Type Basin Mixer (iii) Lover Type Wall Shower v) Open Type Wall Shower v) Open Type Wall Shower v) Open Type Wall Shower 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 contorning to DIN 8077-8078 code (ic cost of solvent, specials, making flarines complete in all respect as approved and directed by the Engineer incharge. 11 23/46 Providing and thing CP heavy duty brass Ball valve with CP handle of specified diameter made of Faisal/Sonex / Master beet quality or equivalent complete in all respect as approved and directed by the Engineer Incharge. 11 19/47 Providing, Itxing, testing and commissioning of µ-PVC (Unplasticed polyvinyl Chloride) Nikasi waste pipe make of dack /Popular/Basia/BBJ plain /Asocket 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. 13 19/49 Providing, laying, testing and commissioning underground provided Pro				10.00		Each	
6 19.44 Providing and fitting glazed earthen ware water closet, squatter type (Orise pattern), combined with foot rest. coloured 7 19.7 Providing and fitting glazed earthen ware wash hand basin StA40 cm (22*Nf*) including bracket set, waste pipe and waste coupling, etc. 8 19.8 Providing and fixing stanless steel sink with drain board, size 124.00 Each 8 19.6 Providing and fixing stanless steel sink with drain board, size 124.00 Each 9 19.52 Providing and fixing CP bath Room Set made of Sonox/Master/Esiacl comprising of 3-No Toe 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. 9 13. No Toe Stap Cock (ii) Liver Type Basin Mixer (iii) Lover Type Basin Mixer (iii) Lover Type Wall Shower v) Open Type Wall Shower v) Open Type Wall Shower v) Open Type Wall Shower 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 contorning to DIN 8077-8078 code (ic cost of solvent, specials, making flarines complete in all respect as approved and directed by the Engineer incharge. 11 23/46 Providing and thing CP heavy duty brass Ball valve with CP handle of specified diameter made of Faisal/Sonex / Master beet quality or equivalent complete in all respect as approved and directed by the Engineer Incharge. 11 19/47 Providing, Itxing, testing and commissioning of µ-PVC (Unplasticed polyvinyl Chloride) Nikasi waste pipe make of dack /Popular/Basia/BBJ plain /Asocket 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. 13 19/49 Providing, laying, testing and commissioning underground provided Pro							
Super (Orise pattern); combined with foot rest. coloured	5	19/2	Providing and fixing, double seat and cover only. Bakelite	10.00		Each	
Super (Orise pattern); combined with foot rest. coloured	6	10/4	Draviding and fitting glozad parthan ware water along agustier				
coloured 197	O	13/4					
SSA40 cm (22*x16*) including bracket set, waste pipe and waste coupling, etc. i) white, with pedestal i) Under Counter Vanity Basin 24.00 Each Providing and fixing stainless steel sink with drain board, size 120x60 cm (46*x24*) including bracket set, waste pipe and waste coupling, and fixing Stainless steel sink with drain board, size 120x60 cm (46*x24*) including bracket set, waste pipe and waste coupling and fixing CP bath Room Sot made of Sonex/Master/Faisal comprising of 3-Mor Tea stop cocks, lever type Basin Mixer, double Bito 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) SND Tea Stop Cock (ii) Double Bib Cock (iv) Muslim shower (iii) Double Bib Cock (iv) Muslim shower (iii) Double Bib Cock (iv) Opon Type Wall Shower 23.47 Providing, laying, testing and commissioning of Providing, laying, testing and commissioning of propular Beta of Basin Wiser (PPRC) water supply pipe made of (Dadox /Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURE NOMINAL) and conforming to DIN 8077-8078 code (iv cost of solvent, specials, making layarise complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned). PN-20 jipe (i) (3/47) 25 mm (ii) (1-14*7) 40 mm 3500.00 Por Rft (iii) (1-14*7) 40 mm 11 23/46 Providing and fixing CP heavy duty brass Ball valve with CP handle of specified diameter made of Faisal/Sonex / Master boat quality or equivalent complete in all respect as approved and directed by the Engineer Incharge. 12 19/47 Providing, fixing, testing and commissioning of µ-PVC (Unplasticized polyviny/ Chloride) Nikasif waste pipe make of dadox /Popular/Beta/Ball plain scoket 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 4/180-4) 13 19/49 Providing, laying, testing and commissioning und				18.00		Each	
SSA40 cm (22*x16*) including bracket set, waste pipe and waste coupling, etc. i) white, with pedestal i) Under Counter Vanity Basin 24.00 Each Providing and fixing stainless steel sink with drain board, size 120x60 cm (46*x24*) including bracket set, waste pipe and waste coupling, and fixing Stainless steel sink with drain board, size 120x60 cm (46*x24*) including bracket set, waste pipe and waste coupling and fixing CP bath Room Sot made of Sonex/Master/Faisal comprising of 3-Mor Tea stop cocks, lever type Basin Mixer, double Bito 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) SND Tea Stop Cock (ii) Double Bib Cock (iv) Muslim shower (iii) Double Bib Cock (iv) Muslim shower (iii) Double Bib Cock (iv) Opon Type Wall Shower 23.47 Providing, laying, testing and commissioning of Providing, laying, testing and commissioning of propular Beta of Basin Wiser (PPRC) water supply pipe made of (Dadox /Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURE NOMINAL) and conforming to DIN 8077-8078 code (iv cost of solvent, specials, making layarise complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned). PN-20 jipe (i) (3/47) 25 mm (ii) (1-14*7) 40 mm 3500.00 Por Rft (iii) (1-14*7) 40 mm 11 23/46 Providing and fixing CP heavy duty brass Ball valve with CP handle of specified diameter made of Faisal/Sonex / Master boat quality or equivalent complete in all respect as approved and directed by the Engineer Incharge. 12 19/47 Providing, fixing, testing and commissioning of µ-PVC (Unplasticized polyviny/ Chloride) Nikasif waste pipe make of dadox /Popular/Beta/Ball plain scoket 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 4/180-4) 13 19/49 Providing, laying, testing and commissioning und							
coupling, etc. i) white, with pedestal ii) Under Counter Vanity Basin 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. 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 Miker, double Bit Cock, open wall shower, Musliam 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 Bit Cock (iv) Maslim shower (iv) Double Bit Cock (iv) Maslim shower (iv) Open Type Wall Shower (iv) Open Type Wall Shower (iv) Open Type Wall Shower (iv) Open Type Wall Shower (iv) Open Set A (Dady Shower) (iv) Open Set A (Dady Shower) (iv) Open Set A (Dady Shower) (iv) Cock of solvent, specials, making sharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned). PN-20 pipe (i) (3/47') 25 mm (ii) (11-1/4") 40 mm (iii) (11-1/4") 40 mm 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. 12 19/47 Providing, fixing, testing and commissioning of 1-PPC (Urplasticized polyving Chloride) Nikasiv waste pipe make of control of the complete in all respect as approved and directed by the Engineer Incharge. 13 19/49 Providing, fixing, testing and commissioning of 1-PPC (Urplasticized polyving Chloride) Nikasiv waste pipe make of control of the control	7	19/7					
1) white, with pedestal 10-lifer Counter Vanity Basin 24.00 Each 24.00 Each 24.00 Each 24.00 Each 24.00 Each 24.00 Each 25.00 Each 25.00 Each 26.00							
19/8 Providing and fixing stainless steel sink with drain board, size 120x60 cm (487-24") including bracket set, waste pipe and waste coupling.			. •	6.00		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. 9 19/52 Providing and fixing CP bath Room Set made of Sonex/Master/Falsal 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. (ii) 3 No Tee Stop Cock (iii) Lever Type Basin Mixer (iii) Double Bib Cock (iii) Double Bib Cock (iii) Double Bib Cock (iv) Muslim shower 10 23/47 Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYNER (PPRC) water supply pipe made of (Dadex /Popular/ Beta / BB) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code (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) (J4/1) 25 mm (ii) (11) 25 mm (iii) (11) 25 mm (iii) (11) 25 mm (iii) (11) 25 mm (iii) (11) 26 mm (iii) (11) 26 mm (iii) (11) 26 mm (iii) (11) 27 mm (iii) (11) 27 mm (iii) (11) 28 mm (iii) (11)							
120x80 cm (48"x24") including bracket set, waste pipe and waste coupling.			in order counter variety basin	24.00		Laon	
waste coupling. 19/52 Providing and fixing CP bath Room Set made of specified dishered by the Engineer incharge. 4.00 Each	8	19/8	Providing and fixing stainless steel sink with drain board, size				
9 19/52 Providing and fixing CP bath Room Set made of Sonex/Master/Ealsal comprising of 3-No Tee stop cocks, lever by Basin Mixer, double Bith 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) 1 No Tee Stop Cock (ii) Lever Type Basin Mixer (iii) Double Bib Cock (iv) Muslim shower (iv) Open Type Wall Shower 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 (cost of solvent, specials-making) jamates complete in all respect as approved and directed by Engineer Incharge. 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. 12 19/47 Providing, fixing, testing and commissioning of µ-PVC 13 19/47 Providing, fixing, testing and commissioning of p-PVC 14 19/47 Providing, fixing, testing and commissioning of p-PVC 15 19/47 Providing, fixing, testing and commissioning of p-PVC 16 19/47 Providing, fixing, testing and commissioning of p-PVC 17 19/47 Providing, fixing, testing and commissioning of p-PVC 18 19/49 Providing, laying, testing and commissioning underground valid provides and provided and directed by the Engineer Incharge. 19 19/49 Providing, laying, testing and commissioning underground valid valid providing laying, testing and commissioning underground valid valid providence flexible gas pipe Tubing of required [PS(Iron Pipe Size) in the trenches, made of (Dadex/ Popular/ Beals BBJ) in the trenches, made of (Dadex/ Popular Beals BBJ) in the trenches, made of (Dadex/ Popular Beals BBJ) in the trenches, made of (Dadex/ Popular Beals BBJ) in the trenches, made of (Dadex/ Popular Beals BBJ) in the trenches, made of (Dadex/ Popular Beals BBJ) in			120x60 cm (48"x24") including bracket set, waste pipe and				
Sonex/Master/Faisal comprising of 3-No Tee stop cooks, lever type Basin Mixer (abuble 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 (iv) Open Type Wall Shower (iv) Open			waste coupling.	4.00		Each	
Sonex/Master/Faisal comprising of 3-No Tee stop cooks, lever type Basin Mixer (abuble 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 (iv) Open Type Wall Shower (iv) Open	_	40/50	Description and fining CD bath Dans Cat made of				
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 (iv) Open Type Wall Shower 10 23/47 Providing, Iaying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex / Popular/ Beta / BBJ) with particular specified pressure rating PN (PRESSURE NOMINAL) and conforming to DIN 8077-8078 code li/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) (34*) 25 mm (ii) (1*) 32 mm (iii) (1*) 32 mm (iii) (1*) 47 mm 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. 12 19/47 Providing, fixing, testing and commissioning of p-PVC (Unplasticized polyviny) Chloride Nikasi/ waste pipe make of dadex / Popular/Pstea/BBJ plain / socket ended conforming to code EN-1401 of specified SDR (Standard Dimension Ratio) including the cost of specified SDR (Standard Dimension Ratio) including the cost of specified SDR (Standard Dimension Ratio) including the cost of specified SDR (Standard Dimension Ratio) including the cost of specified SDR (Standard Dimension Ratio) including the cost of specified SDR (Standard Dimension Ratio) including the cost of specified specified specified specified proving in Scoket ended conforming to code EN-1401 of specified SDR (Standard Dimension Ratio) including the cost of specified specified proving in the specified specified proving in the specified specified SDR (Standard Dimension Ratio) including the cost of specified specified proving in the specified specified specified specified specified specified specified specified specified specified speci	9	19/52					
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ii) 1-1/4" dia iii) 1.50" dia iv) 2" dia 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) 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							
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iv) 2" dia 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) 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			· ·				
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(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) Per Rft			iv, z ula	۷.00		Lacii	
(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) Per Rft	12	19/47	Providing, fixing, testing and commissioning of u-PVC				
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) 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							
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) 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							
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) 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							
Type (SDR 41/SN-4) i) 3"(90 mm) ii) 4"(110 mm) iii) 6" (160 mm) 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							
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i) 3"(90 mm) ii) 4"(110 mm) 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			Type (SDR 41/SN-4)				
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			i) 3"(90 mm)				
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			, , , ,				
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			iii) 6" (160 mm)	1000.00		Per Rft	
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	10	10/40	Providing laying testing and commissioning underground				
IPS(Iron Pipe Size) in the trenches, made of (Dadex/ Popular / Beta/ BBJ) for Gas supply i/c the cost of solvent and specials	13	19/49					
Beta/ BBJ) for Gas supply i/c the cost of solvent and specials							
			Beta/ BBJ) for Gas supply i/c the cost of solvent and specials				
			complete as approved and directed by the Engineer Incharge.				
	1		1		[l

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
		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: 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	10.00 10.00 300.00		Each Each Each	

Vi) Fac Dimmer Vi) Three Pin Power Plug 15-32 Amp 90,000 Ecch	Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
Large 10 d Gange 30.00 Ecch							
1) Of Gange 10 Of Gange			·	90.00		Edcii	
24/102 Providing and fixing Copper winded Exhaust fan with louver and shutter made of PakryOursa/G.F.C. (it the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. 3) Plastic body 12 dia 40,000 Eoch						Each	
24/102 Providing and fixing Copper winded. Exhaust fan with louver and shuter made of Pak/Younas/G-F.C. Vic the cost of necessary cable and hardware for consection from ceiling rose complete as approved and directed by Engineer Incharge. a) Plastic body 12/dis 24/75 Suphying Installation, setting and commissioning of 415-Volt , & Pole (TP-N) compact Copper Eusaway (Bus Tie Duts B.T.D) of specified size/intring comprising of 10 mm thick sandwicht copper Bus basis, wasted with normal mammable films of the state of that pages. Associated in Automation Housing (For the cost of hargers, successories, andessure 1975, IEC 81439-1, complete in all respect, speed on a minimum reducing prevance as a sporoved & directed by the Engineer Incharge (i) 400 Amp (ii) 630 Amp (iii) 1500 Amp (iii) 1500 Amp (iii) 1500 Amp (iii) 1600 Amp Electrical Work (Non-Schedule) N. Simple of light or fan point from switch board to the point with 3-Nos of 15 mm (30/207) single core PVC insulated copper conductor cables, and applying of light or fan point from switch board to the point with 3-Nos of 15 mm (30/207) single core PVC insulated copper conductor cables, and applying the Engineer Incharge N. Simple of light or fan point from switch board for the point with 3-Nos of 15 mm (30/207) single core PVC insulated copper conductor cables, and approved by the Engineer in charge as directed and approved by the Engineer incharge as a conductor cables, in petital PVC pipen is called in the point of the switch and the provided in the point of the point with 3-Nos of 2 mm (17/40/207) single core PVC insulated copper conductor cables, in petital PVC pipen is candidad disprovided by the Engineer incharge 3 N. Si Wining of light or fan from point to point with 3-Nos of 1.5 mm² (30/207) single core PVC insulated copper conductor cables, in petital PVC pipen is candidad and approved by the Engineer incharge 4 N. Si Wining of Multilight Dulg from point to point with 3-Nos of 2.5 mm² (70/20/21) single core PVC insulated capper conductor cables,			, •				
and shulter made of Pak/YounakG.F.C. Vie the cost of necessary cable and hardware for connection from calling rose complete as approved and directed by Engineer Incharge. a) Plastic body (i) 12° dis 24/36 Suplying.Installation.testing and commissioning of 45% 50% 1, 4° Pole (TP-N) compact Copper Busway (Bus Tie Duct ST.T.D) of specified size/rating comprising of 10 mm thick sandwich copper Bus basis, valuated with non-terminate Electric stable application with Maybr Class-B, houseof in Aluminium Housing it the cost of harpers. Authorities the expectation of the point with Salos B, houseof in Aluminium Housing it the cost of harpers. Before the expectation of the influence of the point with Salos of 1.50 Amp (ii) 1250 Amp (iii)			iii) 06 Gange	100.00		Each	
necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. a) Plastic body) 12' dia 6 24/96 Suplying, Installation, testing and commissioning of 415-Vol. J. Polic (TP-N) compant Copper Busway (Bus Tip Duck F.T.) of specified sterfering comprising of 10 mm thick sandwich: copper Bus basy, (Bus Tip Duck F.T.) of specified sterfering comprising of 10 mm thick sandwich: copper Bus basy, (Bus Tip Duck F.T.) of specified sterfering comprising of 10 mm thick sandwich: copper Bus basy, insulated with non-flammable/flamer resistant resin applied at 130 OC by Automatic Electro- static application with Mayler Class-B, housed in Automatine Housing is the too stort hangers, accessories, enclosures IPSs, IEC 61439-1, complete in all respect, appear to an imminum reducing reactance as approved a directed by the Engineer Incharge (i) 400 Amp (ii) 500 Amp (iii) 500 Amp (iii) 1500 Amp (iiii) 1500 Amp (iiii) 1500 Amp (iiii) 1500 Amp (iii) 1500 Amp (iii) 1500 Amp (iii)	7	24/102	Providing and fixing Copper winded Exhaust fan with louver				
a) Plastic body a) Plastic body b) 12° dia 24/96 Suphying, Installation, testing and commissioning of 416-Yoll, 4 Pole (TP+N) compact Copper Busway (Bus Tie Dutt B.T.D) of specified sizervaring comprising of 10 mm thick sandwith copper Bus bars installated with non- flammable/latme resistant resist application with Mayler Class-8, housed in Aluminum Housing I/s the cost of hangers, accessories, anclosure IP65, IEC 418-91, complete in all respect spaced to a minimum reducing reactance as approved & directed by the Engineer Incharge (i) 400 Amp (ii) 1250 Amp (iii) 1250 A							
a) Plastic body i) 12" dis i) 12" dis ii) 12" dis ii) 12" dis iii) 14" A pole (TP-N) compact Copper Busway (Bus Tie Duts B.T.D) of specified size/varian comprising of 10 mm thick sandwitch copper Bus bars insulated with non- flammable-flame resistant resin application with Mayler Class-B, housed in Aluminum Housing (ic the cost of hangers, accessories, anclosures IPSc, IEC 61439-1, complete in all respect spaced to a minimum reducing reactance as approved & directed by the Engineer Incharge (i) 400 Amp (ii) 500 Amp (iii) 1200 Amp (iii) 1							
8 24/76 Suphying, Installation, testing and commissioning of 41/50 Suphying, Installation, testing and commissioning of 41/50 Suphying, Installation, testing and commissioning of 10 mm thick sandwith copper Bus bars installated with non-flammable flame resistant resist applied at 130 OC by Automatic Electro-salic application with Molyfer Class-B, housed in Aluminium Housing to the cost of hangers, accessories, endoseries IP55, IEC 61/451-1, complete in all respect appared to a minimum reducing reactance as approved & directed by the Engineer Incharge (i) 400 Amp (ii) 1250 Amp (iii) 1250 Amp (iii) 1250 Amp (iv) 1600 Amp 3,000 Per Ritt (iii) 1250 Amp (iv) 1600 Amp 5,000 Per Ritt (iv) 1600 Amp 5,000 Per Ritt (iv) 1600 Amp 5,000 Per Ritt (iv) 1600 Amp 5,000 Per Ritt (iv) 1600 Amp 6,000 Per Ritt (iv) 1600 Amp 7,000 Per Ritt (iv) 1600 Amp 7,000 Per Ritt (iv) 1600 Amp 7,000 Per Ritt (iv) 1600 Amp 8,000 Per Ri							
415-Volt 4. Pole (TP-N) compact Copper Busway (Bus Tie Dute B.T.D) of specified size/rating comprising of 10 mm thick sandwitch copper Bus bars.insulated with non-flammabe/flame resistant resis applicat 130 CC by Automatic Electro- static application with Mayler Class-B, housed in Autimitime Housing fur the cost of hangers, accessories andesures (PSc, IEC 61438-1, complete in all respect, spaced to a minimum reducing reactance as approved & directed by the Engineer Incharge (0.400 Amp (8) 830 Amp (8) 820 Amp (9) 820				40.00		Each	
415-Volt 4. Pole (TP-N) compact Copper Busway (Bus Tie Dute B.T.D) of specified size/rating comprising of 10 mm thick sandwitch copper Bus bars.insulated with non-flammabe/flame resistant resis applicat 130 CC by Automatic Electro- static application with Mayler Class-B, housed in Autimitime Housing fur the cost of hangers, accessories andesures (PSc, IEC 61438-1, complete in all respect, spaced to a minimum reducing reactance as approved & directed by the Engineer Incharge (0.400 Amp (8) 830 Amp (8) 820 Amp (9) 820		0.1/0./					
thick sandwitch copper Bus bars/insulated with non-flammable/flame resistant resin applied at 130 OC by Automatic Electric static application with Maylor Class-B, housed in Aluminium Housing Vic the cost of hangers, accessories, enclosures PEPS, IEC 61439-1, complete in all respect, appeared by the Engineer Incharge (i) 400 Amp (ii) 830 Amp (iii) 830 Amp (iii) 1250 Amp (iv) 1600 Amp	8	24/96					
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 (it the cost of hangers, accessories, enclosures IPS5, IEC 61439-1, complete in all respect, spaced to a minimum reducing reactance as approved & directed by the Engineer Incharge (i) 400 Amp (ii) 303 Amp (iii) 3250 Amp (iii) 1250 Amp (iv) 1600 Amp Electrical Work (Non-Schedule) Viring of light or fan point from switch board to the point with 3-Nos of 1, mm (201, 2017), single core PVC insulated copper conductor cables, in prelaid PVC pipeM. S. conduit/3, lippe/wooden strip batter/wooden casing an capping/51, wireterches in 25mm (147) PVC pipe (iv any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge 2 N.S. Circuit wiring from MCBs board to gang switch board/multi light plug with 3-Nos of 25 mm? (70,029*) single core PVC insulated copper accessories required at site. Complete in all respect as directed and approved by the Engineer incharge 2 N.S. Wiring of light or fan from point to point with 3-Nos of 1.5 mm² (30,029*) single core PVC insulated copper conductor cables, in prelaid PVC pipeMs. Conduit/3, lippe/wooden strip batter/wooden casing an capping/61, wiretrenches in 25mm (17) PVC pipe (ic any accessories required at site. Complete in all respect as directed and approved by the Engineer incharge 2 N.S. Wiring of light or fan from point to point with 3-Nos of 1.5 mm² (30,029*) single core PVC insulated copper conductor cables, in prelaid PVC pipeMs. S. conduit/3, lippe/wooden strip batter/wooden casing an capping/61, wiretrenches in 20mm (4)* PVC pipe is carry accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge 5 N.S. Wiring of Multilidipt byte from point to point with 3-Nos of 5 mm² (70,024)* single core PVC insulated copper conductor cables, in prelaid PVC pipeMs. Communication of Equivalently accessories							
Automatic Electro- static application with Mayler Class-B, housed in Aluminium Housing it the cost of hangers, accessories, enclosures IPS5, IEC 61439-1, complete in all respect, spaced to a minimum reducing reactance as approved & directed by the Engineer Incharge (i) 400 Amp (ii) 500 Amp (iii) 1250 Amp (iii) 1250 Amp (iii) 1250 Amp (iii) 1250 Amp (iv) 1600 Amp (
noused in Aluminium Housing life the cost of hangers, accessories, anclosures IPSS, IEC 61439-1, complete in all respect, spaced to a minimum reducing reactance as approved & directed by the Engineer Incharge (i) 400 Amp (ii) 300 Amp (iii) 250 Amp (iv) 1600 Amp (iv)							
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) 830 Amp (iii) 1250 Amp (iv) 1000 Amp (iv							
respect, spaced to a minimum reducing reactance as approved & directed by the Engineer Incharge (i) 400 Amp (ii) 630 Amp (iii) 1250 Amp (iii) 1250 Amp (iv) 1600 Amp (iii) 1600 Amp (iv) 1600 Am							
(i) 400 Amp (ii) 630 Amp (iii) 1250							
(ii) 630 Amp (iii) 1250 Amp (iv) 1600 Amp (iv) 1600 Amp (iv) 1600 Amp Electrical Work (Non-Schedule) Wiring of light or fan point from switch board to the point with 3-Nos of 1.5 mm² (30.029°) single core PVC insulated copper conductor cables, in prelated PVC pipe live any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge N.S. Circuit wiring from MCBs board to gang switch board/multi light plug with 3-Nos of 2.5 mm² (70.029°) single core PVC insulated copper conductor cables, in prelated PVC pipe live any accessories required at site. Complete in all respect as directed and approved by the Engineer incharge 800.00 Each N.S. Wiring of light or fan from point to point with 3-Nos of 1.5 mm² (30.029°) single core PVC insulated copper conductor cables, in prelated PVC pipe live any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge 800.00 Each N.S. Wiring of light or fan from point to point with 3-Nos of 1.5 mm² (30.029°) single core PVC insulated copper conductor cables, in prelated PVC pipe live any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge 800.00 Each N.S. Wiring of Multilight plug from point to point with 3-Nos of 2.5 mm² (70.029°) single core PVC insulated copper conductor cables, in prelated PVC pipe (and previous			· · · · · · · · · · · · · · · · · · ·				
Image: Comparison of the Com			,,			_	
Electrical Work (Non-Schedule)			, ,			_	
Electrical Work (Non-Schedule) Winting of light or far point from switch board to the point with 3-Nos of 1.5 mm² (30.029) single core PVC insulated copper conductor cables, in preliad PVC pipeM.S. condult/G.1 pipeNwooden strip batter/wooden acasing an capping/G.1 wirethrenches in 20mm (34) PVC pipe is any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge 800.00 Each Simple of the strip			, ,			-	
Electrical Work (Non-Schedule)							
N.S. Wiring of light or fan point from switch board to the point with 3-Nos of 1.5 mm² (30,029²) single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batter/wooden casing an capping/G.I. wire/trenches in 20mm (34²) PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge 800.00 Each			Floatrical Work (Non Schodule)			Total	
1.5 mm² (3/0.029°) single core PVC insulated copper conductor cables, in prelatid PVC pipeMs. Sc anduff/G ippiew/ooden strip battern/wooden casing an capping/G1. Wirethrenches in 20mm (3/4*) PVC pipe l/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge 800.00 Each 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 pipeMs. condult/G1 pipe/wooden strip batter/wooden casing an capping/G1. wirethrenches in 25mm (1*) PVC pipe l/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge N.S. Wiring of light or fan from point to point with 3-Nos of 1.5 mm² (3/0.029°) single core PVC insulated copper conductor cables, in prelaid PVC pipeMs. conduit/G1 pipe/wooden strip battern/wooden casing an capping/G1. wirethrenches in 20mm (3/4) PVC pipe l/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge N.S. Wiring of Multi/light plug from point to point with 3-Nos of 2.5 mm² (7/0.029°) single core PVC insulated copper conductor cables, in prelaid PVC pipeMs. Conduit/G1 pipe/wooden strip battern/wooden casing an capping/G1. wirethrenches in 20mm (3/4) PVC pipe l/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge 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 pipeMs. conduit/G1 pipe/wooden strip battern/wooden casing an capping/G1. wirethrenches in 25mm (1*) PVC pipe l/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge N.S. Supply & installation of LED 24W Down Light (Surface Mounted, 220V-) l/c any accessories required at site. Complete in all respect as directed and engineer Incharge (Philips Meson or Equivalent) Supply	1	N.S					
casing an capping/GL. 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 Each 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/G1 pipe/wooden strip batter/wooden casing an capping/G1. 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 N.S. Wiring of light or fan from point to 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/G1 pipe/wooden strip batten/wooden casing an capping/G1. 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 4. N.S. Wiring of Multi/light plug from point to point with 3-Nos of 2.5 mm² (7/70.029") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G1 pipe/wooden strip batten/wooden casing an capping/G1. wire/trenches in 20mm (8/1") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge 5. N.S. Circuit wiring from MCBs board to Power Plug with 3-Nos of 6 mm² (7/70.04") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G1 pipe/wooden strip batten/wooden casing an capping/G1. 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 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) 7. N.S. Supply & installation of LED 600 x 600mm Ceilling Panel Light 38W (220V-, CW or WW) i/c a			1.5 mm² (3/0.029") single core PVC insulated copper conductor cables,				
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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 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) 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	5	N.S					
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approved by the Engineer Incharge 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) 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			casing an capping/G.I. wire/trenches in 25mm (1") PVC pipe i/c any				
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 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				125 00		Fach	
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 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				120.00		Lauri	
Complete in all respect as directed and approved by the Engineer Incharge (Philips Meson or Equivalent) 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	6	N.S	Supply & installation of LED 24W Down Light (Surface				
Engineer Incharge (Philips Meson or Equivalent) 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			l ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '				
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							
Light 36W (220V~, CW or WW) i/c any accessories required at site. Complete in all respect as directed and			Engineer Incharge (Philips Meson or Equivalent)	300.00		Each	
Light 36W (220V~, CW or WW) i/c any accessories required at site. Complete in all respect as directed and	7	N.S	Supply & installation of LED 600 x 600mm Ceilling Panel				
required at site. Complete in all respect as directed and]		Light 36W (220V~, CW or WW) i/c any accessories				
approved by the Engineer Incharge (Philips RC0488 or 30.00 Each				20.00			
	l		papproved by the Engineer Incharge (Philips RC0488 or	30.00		Lach	

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

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
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	
		External Civil Work			Total	
1	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 1:6:12	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	
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	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
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:	4.00			
	00/40	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	
		Fortage of Fig. et al. Month			Total	
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		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	
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		Supplying, installation and commissioning of LED 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,				

Item	REF. Nos	Description of Items	Qty	Rate	Unit	Amount (Rs.)
No.	CH/ITE	thermally bardened gloss complete with LED drivers are		(Rs.)		
		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				
		120 Watt with 14400 Lumens	40.00		Each	
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 11171	1.00		Each	
					Total	
		External Electrical (Non-Schedule)				
1	N.S	Supply & installation of 11-KV Dropout Fuse assemblies Set i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	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"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	
	NC	Cumply and installation of Double note Plate Force for 2000///				
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	
					Tatal	
					Total	

Work No.08

The Islamia University of Bahawalpur
Construction of Girls Hostel No.2 at Baghdad-ul-Jadeed Campus

MRS Jul to Dec, 2021

No.	Reff.	Description	Quantity	Rate	Unit	Amount
_	0/04	Civil Work				
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). 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				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	CHITE	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.	97500.00		%o Cft	
		ii) with new earth excavated from outside,lead upto 1/4 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	3400.00			
		i) Ground Floor (for 4.5" thick wall)ii) First Floorii) 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	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	23000.00		/6 SIL	
		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)				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
		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 ½" (5 mm) thick imported tinted 'glass with aluminium triangular gola and rubbor gasket to support				
		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 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				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	+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		· · · · · · · · · · · · · · · · · · ·	+	
JU	12/01	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	İ	Per Rft	
38	9/15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	20.00	İ	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	
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	l	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	l	Per Sft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
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				
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.	2500.00		Per Sft	
51	10/25	12"x18"/12"x24"/10"x24" /8"x24"/12"x36" 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.	2250.00		Per Sft	
52	25/59	12"x18"/12"x24"/10"x24" /8"x24"/12"x36" Providing and fixing M.S. grill fabricated with MS Square	6300.00		Per Sft	
		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	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
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.				
		9 mm thick	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	20.00		D 00	
		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	
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	
		Civil Work (Non-Schedule)			Total	
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, 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				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
	QIIII L	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. 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:- coloured	10.00		Each	
5	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	6.00 24.00		Each Each	
8	19/8	ii) Under Counter Vanity Basin 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	90.00		Each	
		(ii) Lever Type Basin Mixer (iii) Double Bib Cock (iv) Muslim shower v) Open Type Wall Shower	24.00 6.00 10.00 20.00		Each Each Each Each	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
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 ii) 1-1/4" dia iii) 1.50" dia iv) 2" dia	8.00 4.00 4.00 2.00		Each Each Each Each	
12	19/47	Providing, fixing, testing and commissioning of μ-PVC (Unplasticized polyvinyl Chloride) Nikasi/ waste pipe make of dadex /Popular/Beta/BBJ plain /socket ended conforming to code EN-1401 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.				
		Type (SDR 41/SN-4) i) 3"(90 mm) ii) 4"(110 mm) iii) 6" (160 mm)	500.00 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" (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	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. 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		LIGORIUGI VVOIR			I	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
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	10.00		Each Each	
		iii) Three pin Light Plug 10/13 Amp iv) Fan Dimmer v) Three Pin Power Plug 15-32 Amp Large i) 04 Gange ii) 05 Gange iii) 06 Gange	300.00 90.00 90.00 40.00 30.00 100.00		Each Each Each Each 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	40.00		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 (ii) 630 Amp (iii) 1250 Amp (iv) 1600 Amp	3.00 3.00 4.00 5.00		Per Rft Per Rft Per Rft Per Rft	
		Electrical Work (Non-Schedule)			Total	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
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 as directed and approved by the Engineer Incharge				
		approved by the Engineer monarge	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		Fach	
			275.00		Each	
3	N.S	Wiring of light or fan from point to 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 as directed and approved by the Engineer Incharge	22.22			
			60.00		Each	
4	N.S	Wiring of Multi/light plug from point to point 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 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 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	
0						
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	20.00		Eacii	
		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				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
		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 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	
	ı				Total	
		External Civil Work				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
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	
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)	1.00		P.Con	
	00/45	ii) upto 8" i/d (200 mm)	2.00		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	
					Total	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
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		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.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.				
7	24/69 C-v-i	Supplying, installation and commissioning of LED 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	20.00		Each	
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	
					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	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
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	
-		the Engineer monarge.	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"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 1'¼"x1'¼"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	
					Total	