DNIT CONSTRUCTION OF NEW FACULTY BUILDING (NO.1) AT BJ CAMPUS, IUB

NEW FACULTY BUILDING

ENGINEER'S COST ESTIMATE

CIVIL WORKS

ltem No.	REF. Nos CH/ITEM	Description of Items	Qty	Unit	Rate (Rs.)	Amount (Rs.)
MRS,	1st BI-ANNU	AL-2021 (1st JANUARY-2021 to 30th JUNE -2021) DISTRICT BAHAWAL	PUR			
		SCHEDULE ITEMS-A				
		Earth Work				
1	CH:3 item 47(a) P-33	Jungle clearance and removing within 100 ft. (30 m).a) light	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.				
3	CH:3 item 15	Filling, watering and ramming earth under floors:	317,563.31	1000 Cft		
3.1	CH:3 item 15(i) P-29	i) with surplus earth from foundation, etc.	211,708.88	1000 Cft		
3.2	CH:3 item 2+17 (a,b &c)	Earthwork excavation in ashes, sand and soft soil or silt clearance, undressed lead upto 2 km (2000 metre).	621,600.00	1000 Cft		
3.3	CH:3 item 25 (i) P-30	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.	021,000.00	1000 Cit		
		,	248,708.88	1000 Cft		
		Anti-Termite				
4	CH:25 item 42	Spraying anti-termite liquid mixed with water in the ratio of 1:40.	299,411.44	100 Sft		
5	CH:6 item 5 P-42	Plain and Reinforement Concrete Cement concrete plain including placing, compacting , finishing and curing complete (including screening and washing of stone aggregate):-				
5.1	(i)	Ratio 1: 4: 8	25,680.65	100 Cft		
5.2	(f)	Ratio 1: 2: 4	24,089.69	100 Cft		
6	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.):-				
6.1	(a)(ii)	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in i) above not requiring form work (i.e. horizental shuttering) complete in all respects:-				
		Foundation				
6.1.1	(2)	Type B (nominal mix 1: 1½: 3)	90,758.11	Per Cft		
6.2	(a)(i)	Reinforced cement concrete slabs, beams, girders, Lintels and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects;-				
		GROUND FLOOR				
6.2.1	(a)(i)(2)	Type B (nominal mix 1: 1½: 3) FIRST FLOOR	118,788.72	Per Cft		
6.2.2	(a)(i)(2)+(d)	Type B (nominal mix 1: 1½: 3)	75,528.35	Per Cft		
6.2.3	(a)(i)(2)+(dx2)	MUMTY Type B (nominal mix 1: 1½: 3)	6,914.72	Per Cft		
		Carriage				
7	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)	75,996.03	100 Cft		
		Steel Reinforcement	,			
8	CH:6 item 9 (c) P-44	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)				
			1,225,380.44	100Kg		

9	CH:6 item 33 (b)(i) P-47	Providing and laying damp proof course of cement concrete 1:2: 4(using cement, sand and shingle), b) with 2 coats of bitumen :- i) 1½" thick (40 mm)	189.20	100 Sft	
10	CH:6 item 25 P-46	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:-			
10.1	a)	On interior surface (without mastic strip)	722.40	Per/Rft	
10.2	b)	On exterior surface (with mastic strip)	729.23	Per/Rft	
11	CH:6 item 32 (b) P-47	Providing and fixing thermopore (foamed polythene) sheet in horizontal and vertical expansion joints:			
11.1		b) 11/2" (40 mm) thick thermopore sheet	9,941.40	Per/Sft	
12	CH:6 item 12	Providing and fixing ornamental cement jali 2" (50 mm) thick	3,402.00	Per Sft	
		Brick Work			
13	CH:7 item 4 (i) P-51	Pacca brick work in foundation and plinth in:-Cement, sand mortar:-Ratio 1:6	20,162.26	100 Cft	
14	CH:7 item 4 (i) P-51	Pacca brick work in foundation and plinth in:-Cement, sand mortar:-Ratio 1:4	2,175.76	100 Cft	
		GROUND FLOOR	,		
15	CH:7 item 5 (i) P-52	Pacca brick work in ground floor :- Cement, sand mortar:-Ratio 1:6	71,374.26	100 C#	
16	CH:7 item 5	Pacca brick work in ground floor :-	11,017.20	100 Cft	
	(i) P-52	Cement, sand mortar:-Ratio 1:4 FIRST FLOOR	2,049.86	100 Cft	
17		Pacca brick work in first floor:- Cement, sand mortar:-Ratio 1:6	78,428.87	100 Cft	
18	CH:7 item 5 (i) P-52	Pacca brick work in first floor :-	0.040.00		
	(1) 1°=52	Cement, sand mortar:-Ratio 1:4 MUMTY	2,049.86	100 Cft	
19		Pacca brick work in second floor:- Cement, sand mortar:-Ratio 1:6			
20	Ch-7 item 9	Extra labour for arch work in brick masonry, including labour for centring	2,416.05	100 Cft	
21		and decentring. Extra for face work (half brick thick) using special bricks instead of first	140.96	100 Cft	
	P-53	class bricks.	16,637.37	100 Cft	
22	Ch 7 itom 30	Flooring Supplying and filling sand under floor; or plugging in wells			
22	P-56	Supplying and hining sand drider hoor, or plugging in weils	25,727.39	100 Cft	
23	Ch-10 item 3 P-66	Providing, laying, watering and ramming brick ballast 1½ to 2"(40 mm to 50 mm) gauge mixed with 25 % sand, for floor foundation, complete in all respects	44,235.08	100 Cft	
24	Ch-10 item 23 P-68	Providing and laying floor of mosaic marble chips tiles 1"(25 mm) thick of approved quality and shade, laid in white cement and pigment, over ¾"(20 mm) thick bedding of cement sand mortar 1:2, including finishing and polishing, complete.		100 011	
25	Ch-10 item	Tile skirting laid in 1:2 cement mortar, over ¾"(20 mm) thick cement	2,973.60	100 Sft	
20	35 (b) P-69	(b) mosaic tiles	226.80	100 Sft	
26	Ch-10 item 42 (a) P-70	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels a) Size 1½" x 3/8" (40 x 10 mm)	1,873.37		
27	Ch-10 item 43 (a) P-70	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) a) 50-mm thick	1,073.31	Per Rft	
			7,875.00	P.Sft	
		Surface Rendring			
28	Ch-11 item 10 (b) P-72	Cement plaster ratio 1:3 under soffit of RCC roof slabs only , upto 20' height. 3/8" (10 mm) thick. (ceiling plaster)			
29	Ch-11 item 9 (b) P-72		79,178.73	100 Sft	
30	Ch-11 item 9 (c) P-72	Cement plaster 1:4 on external walls upto 20' (6 m) height, 3/4" (20 mm) thick.	349,822.91	100 Sft	
31	Ch-11 item 9 (c) & 28 P- 72-74	Cement plaster 1:4 on external walls upto 30' (9 m) height, 3/4" (20 mm) thick.	3 788 40	100 Sft	
32		Cement plaster 1:4 on external walls upto 40' (12 m) height, 3/4" (20 mm) thick.	3,788.40	100 Sft	
		Wood Work	,		
33	Ch-12 item 18 (iii) P-78	Providing and fixing sliding bolt to doors:- iii) brass sliding bolt, 10" (250 mm) long			
		Painting and Warnishing	416.00	Each	
		r anting and warnstillig			

34	Ch-13 item 31 (a)+(bx2) P-89	Preparing surface and painting with emulsion paint:- 3 Coats New Surface			
	1 00		456,830.79	100 Sft	
35	Ch-13 item 32A (a)(i+ii) P-89	5 · · · · · · · · · · · · · · · · · · ·			
			37,403.42	100 Sft	
36	Ch-13 item 7 P-87	French polishing complete:-	24,351.60	100 Sft	
		Roofing & Water Proofing			
37	Ch-9 item 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	
38	Ch-9 item 5 P-60 + Ch-26 item 37(iix2) P-163	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded.i/c P/L double layer polythene sheet 500 gauge			
			82,692.88	100 Sft	

20	Ch 0 itom 15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm).			1
39	P-62	Khulas on 1001 2 x2 x0 (600 x 600 x 150 mm).	52.00	Each	
40	Ch-9 item 16 P-62	Bottom Khuras of brick masonry in cement mortar 1:6, 4'x2'x4½" (1200x600x113 mm) over 3" (75 mm) cement concrete 1:4:8.			
			52.00	Each	
		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, 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 laying structural pad of granular fill material mixture of 50% sand and 50% crushed stones compacted to 95% maximum modified "AASHO" dry density i/c carriage of all materials at site complete in all respect as approved by The Engineer.			
			62,567.66	Per/Cft	
		Flooring			
3	N.S	Providing and laying Porcelain tiles flooring (full body) 16" x 16" Master, or approved equivalent laid over 3/4" thick cement sand mortar (1:3) including setting the tiles with Bond (Stile, or approved equivalent) i/c filling joints with Grout (Stile, or approved equivalent) of matching color i/c cutting, leveling, washing and curing complete in all respect as per Specifications, and as per sample approved by The Engineer. (Imperial (IMPG) Dark Color Polished SB)			
			99,042.64	Per/Sft	

4	N.S	Providing and laying Granite tiles flooring (full body) 24" x 24" Master, or approved equivalent laid over 3/4" thick cement sand mortar (1:3) including setting the tiles with Bond (Stile, or approved equivalent) i/c filling joints with Grout (Stile, or approved equivalent) of matching color i/c cutting, leveling, washing and curing complete in all respect as per Specifications, and as per sample approved by The Engineer. (Granite with dry/wet/venied application,DWV series Polished (Light color)class SB)			
			42,400.97	Per/Sft	

		Skirting / Dado			
5	N.S	Providing and laying Porcelain tiles flooring (full body) 16" x 4" Master, or approved equivalent laid over pre-plastered surface including setting the tiles with Bond (Stile, or approved equivalent) i/c filling joints with Grout (Stile, or approved equivalent) of matching color i/c cutting, leveling, washing and curing complete in all respect as per Specifications, and as per sample approved by The Engineer. (Imperial (IMPG) Dark Color Polished SB)			
			35,118.83	Per/Sft	
6	N.S	Providing and laying Granite tiles flooring (full body) 24" x 4" Master, or approved equivalent laid over pre-plastered surface including setting the tiles with Bond (Stile, or approved equivalent) i/c filling joints with Grout (Stile, or approved equivalent) of matching color i/c cutting, leveling, washing and curing complete in all respect as per Specifications, and as per sample approved by The Engineer. (Granite with dry/wet/venied application,DWV series Polished (Light color)class SB)			
			2,767.83	Per/Sft	
7	N.S	Windows Sill Providing and fixing 3/4" thick Pre-polished Granite Marble Slab uniform texture full width and length laid over 3/4" thick cement sand mortar (1:3) including setting the tiles with Bond (Stile, or approved equivalent) i/c filling joints with Grout (Stile, or approved equivalent) of matching color i/c cutting, leveling, washing, curing and beveling charges on exposed edges complete in all respect as per Specifications, and as per sample approved by The Engineer.			
			2,349.90	Per/Sft	
		Entrance Steps / Podium			
8	N.S	Providing and fixing 3/4" thick pre-polished Granite Marble Slab uniform texture full width laid over 3/4" thick cement sand mortar (1:3) including setting the tiles with Bond (Stile, or approved equivalent) <i>ic</i> filling joints with Grout (Stile, or approved equivalent) of matching color <i>i/c</i> cutting, leveling, washing, curing and beveling charges on exposed edges complete in all respect as per Specifications, and as per sample approved by The Engineer.			
			1,228.50	Per/Sft	
		Stair Steps	.,0.00		
9	N.S	Providing and laying Pre-polished Black Granite (supreme quality) slabs laid over 3/4" thick cement sand mortar (1:3) including setting the tiles with Bond (Stile, or approved equivalent) i/c filling joints and washing the tiles with Grout (Stile, or approved equivalent) of matching color i/c cutting, leveling, washing, curing and beveling charges on exposed edges, i/c anit- slip treads with carborundum powder and silicon mixture in thee rows complete in all respect as per Specifications, and as per sample approved by The Engineer.			
9.1	a)	3/4" thick Pre-polished Black Granite (supreme quality) one-piece slab of length and width as shown on drawings, rounded smooth of stairs and entrance steps.	2 020 40		
9.2	b)	3/4" thick Pre-polished Black Granite (supreme quality) slabs of length and	2,629.46	Per/Sft	
		height as shown on drawings, over risers of stairs and entrance steps.			
			1,018.24	Per/Sft	
10	N.S	Laminated Wooden Flooring Providing and laying, jointing etc. Laminated Wooden Floor			
10	1.0	(200mmX1200mmX8mm) (Malaysian, turkey or approved equivalent) of approved color and shade at floor i/c the cost of jumbo lawn, Nail, edging & Fixing etc. as approved by The Engineer, complete in all respects.			
11	N.S	Providing and laying, jointing etc. Laminated Wooden Floor (200mmX1200mmx8mm) (Malaysian, turkey or approved equivalent) of approved color and shade at floor i/c the cost of jumbo lawn, Nail, edging & Fixing etc. as approved by The Engineer, complete in all respects.Dado/ Skirting	3,939.60	Per/Sft	
		Vanity / Kitchen Counter Top	0-10.00	Per/Rft	
12	N.S	Providing and fixing 3/4" thick pre-polished Black Granite one-piece marble slabs Kitchen / Vanity Counter etc; laid over 3/4" thick cement sand mortar (1:3) including setting the tiles with Bond (Stile, or approved equivalent) i/c filling joints and washing the tiles with Grout (Stile, or approved equivalent) of matching color i/c cutting, leveling, washing, curing and beveling charges on exposed edges complete in all respect as per Specifications, and as per sample approved by The Engineer.			
			l		
			697.20	Per/Sft	

13	N.S	Providing and fixing 1-1/2" Oak Wood Door shutter (Red Oak-859 imported) With Oak wood architraves on both sides, including polishing with lacquer polish (including preparation of surface, applying priming coat, rubbing etc.); or approved equal; all rough and finished hardware complete in all respects as per drawings and Specifications, including handles, tower bolt 18" (A/B Heavy) etc., as per sample approved by The Engineer.			
			12,175.80	Per/Sft	
14	N.S	Providing and fixing uPVC Door, including PVC door frame, with hinges, latch lock, tower bolt, handle & hardware manufactured by ("FRAMEZ, ZEALCON" or approved equivalent) complete in all respects, and as per sample approved by The Engineer.			
			1,176.00	Per/Sft	
15	N.S	Providing and fixing imported Handle Locks with 3 keys, to wooden doors (Hungry" or approved equivalent) complete in all respects, and as per sample approved by The Engineer.			
			416.00	Per/Sft	
16	N.S	Providing and fixing M.S. Sheet hollow pressed 'frame of doors, '(Chowkhat only) of 16 SWG welded / supported with M.S. flat 1-1/4"x1/8" (7-Nos.) i/c screwed 4" (100mm) long iron hinges including fitting chowkhat with cement sand mortar 1:8 and embedding hold fast in cement concrete 1:2:4 complete in all respects, as approved and directed by The Engineer.			
			2,785.65	Per/Sft	
17	N.S	Providing and fixing M.S grill consisting of 1" x 1", 16-SWG M.S square pipe frame with 2 rows of horizontally & equal dividing panels vertically in the same frame and 1/2" M.S square bars 5" c/c welded to each an other & frame horizontally with 2 rows of equal dividing in three panels vertically as per approved drawing and design in windows i/c hold fast, grouting hold fast in cement concrete (1:2:4) and enamel painting 3-coats with one base coat of red oxide paint complete in all respect as approved and directed by The Engineer.			
18	N.S	Providing and fixing all types of doubble glazed aluminium windows / ventilator of approved colour partly fixed and party sliding using deluxe	11,491.20	Per/Sft	
		section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x 25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, (5 mm + 8 mm AGU+ 5 mm) imported tinted glass with rubber gasket using approved standard latches, wheel, stopper, brush chennel angle joint and hardware etc. complete in all respect. 2 mm thick			
			11,491.20	Per/Sft	
19	N.S	Providing and fixing stainless steel non-magnetic railing consisting of main pipe 2" dia 16 SWG imported (China) & 3' height balustrades @ 2' C/C consisting of 1-1/2" to 2" wide and 3/16" thick 2-No stainless steel strips with studs i/c 3/4" dia 16 SWG 3-No stainless steel pipes longitudinally passing in between the strips of balustrades i/c bends, base plate etc with Bottom stainless steel "tiki" & cover, fixing with rowal bolt (3" to 2½" long) i/c steel polishing etc complete in all respect as approved by the Engineer Incharge (All members will be of non magnetic).	1,401.20	Peroli	
			640.50	Per/Rft	
20	N.S	Providing and fixing Kitchen Cabinets comprising of 3/4" thick MDF Laminated (both sides laminated) for front shutter of approved colour and texture with kail wood frame (3"x1") and best quality hardware's (handles, locks, latches, Hinges & screws etc.) with deodar wood lipping(1/2"x3/4") and polishing / enamel painting, termite proofing including all type of labour, as shown on drawings complete in all respects as per sample approved by The Engineer. (Floor Mounted Cabinet)			
			184.80	Per/Sft	
21	N.S	Providing and fixing Kitchen Cabinets comprising of 3/4" thick MDF Laminated (both sides laminated) for front shutter of approved colour and texture including ¾" (20 mm) thick Vin Board Sheet boxing and hard board for back with kail wood frame (3"x1") and best quality hardware's (handles, locks, latches, Hinges & screws etc.) with deodar wood lipping(1/2"x3/4") and polishing / enamel painting, termite proofing including all type of labour, as shown on drawings complete in all respects as per sample approved by The Engineer. (Wall Mounted Cabinet)			
			134.40	Per/Sft	
22	N.S	Providing and Fixing Gypsum board 24"x24" false ceiling make DFB or Approved Equivalent with 10mm thinness with aluminum foil on the back of tile fixed on imported CKM Tees and Fittings and supported with local angle with G.I 16 Guage at appropriate distance i/c cost of hooks, clamps, carriage and labour charges at any height etc complete in all repect and as per satesfaction of The Engineer.			
			54,356.40	Per/Sft	
			J7,000.40		

24 N.S Providing and fixing Stone Texture Tile on facing of approved size color and shade laid over pre-plastered surface including setting the tiles with Bond (Stile, or approved equivalent) i/c filling joints with Grout (Stile, or approved equivalent) of matching color i/c cutting, leveling, washing,	Per/Sft
24 N.S Providing and fixing Stone Texture Tile on facing of approved size color and shade laid over pre-plastered surface including setting the tiles with Bond (Stile, or approved equivalent) i/c filling joints with Grout (Stile, or	
curing and cost of scaffolding fixing at any height in any floor, complete in all respect as per Specifications, as approved by The Engineer.	
982.80	Per/Sft
25 N.S Providing and Fixing Chicken Wire Mesh (12" Wide) for horizontal and vertical joints of masonry and concrete with nails and screws i/c all cost of labour and material complete in all respects, as approved by The Engineer.	
	Per/Rft
26 N.S Providing and laying wall ties (anchor bars) 2/8"dia placed at horizontal and vertical spacing in cavity wall of any description in any floor at any height, and make joint b/w concrete and brick work i/c drilling hole in R.C.C columns tying with brick masonry wall , 3-#2 @ every 4th horizontal and vertical course complete in all respects as shown in drawings and approved by The Engineer.	
22850.10	Each
27 N.S Providing and fixing Steel Lockers 2' deep consisting of M.S angle iron frame 1" x 1" x 1/8" with leaf frame of M.S angle iron 1" x 1" x 1/8" with M.S sheet of 20-SWG front shutter, top, bottom, left, right & back and best quality hardware's (handles, locks, latches, Hinges & screws etc.) i/c welding charges with 3-coat of hammer paint, complete in all respect as approved by The Engineer.	
	Per/Sft
 N.S Supply, provide and fix in position uPVC rain water down pipe lines conforming to ISO 3633:1991 and BS 3505 1968 (wall thickness 3.2mm) including proper joints complete in all respects, and system leak-free: 	
	Per/Rft
29 N.S Provide and fix uPVC plain bends with grating (as rain water inlets at roof), water tight connection leak-free:	
4" dia 52.00	Each
30 N.S Provide and fix uPVC shoe bends (as rain water outlets), water tight connection leak-free	
4" dia 52.00	Each
Total "B"(Schedule items) C/o to Summary of Cost:	
Net Total (A+B)	

INTERNAL PUBLIC HEALTH WORK

Item No.	REF. Nos CH/ITEM	Description of Items	Qty	Unit	Rate (Rs.)	Amount (Rs.)
MRS,	1st BI-ANNU	AL-2021 (1st JANUARY-2021 to 30th JUNE -2021) DISTRICT BAHAWAL	PUR			
		Schedule Items (A)				
		Plumbing Fixtures				
1	Ch 19 item 17/P-113	Providing and fixing, chromimum plated toilet paper holder	92	Each		
2	Ch 19 item 18(i)/P-114	Providing and fixing, chromium plated towel rail:- i) 60 cm (24") long, and 2 cm (¾") dia	44	Each		
3		Providing and fitting:- iv) plastic shelf 60x13 cm (24"x5") with bracket and railing.	20	Each		
4		Providing and fixing looking glass 55x40 cm (22"x16") size and 5 mm thick, first quality. (For pedistal)	20	Each		
5	Ch 19 item 15/P-113	Providing and fixing, chromium plated soap dish.	84	Each		
Total '	"A"(Schedule	e items) C/o to Summary of Cost:				
		Non Schedule Items (B)				
		Plumbing Fixtures				
1	NS	Providing and fixing European type ceramics ware coupled water closet, white / light colour, including 3 gallons cistern, P/S trap, C.P tee stop cock with wall cups, connection pipes, "Porta or Approved Equivalent", hinged double bacolite seat and cover of best quality, all joints to services and drains, plugging and screwing as necessary to the structure and make good the same, complete in all respect as per specifications and drawings.	52.00	Each		
2	NS	Providing and fixing European type ceramics ware coupled water closet, white / light colour, including 3 gallons cistern, P/S trap, C.P tee stop cock with wall cups, connection pipes, "Porta or Approved Equivalent", hinged double bacolite seat and cover of best quality, all joints to services and drains, plugging and screwing as necessary to the structure and make good the same, complete in all respect as per specifications and drawings.(for Disable)	8.00	Each		

3	NS	Providing and fixing Asiatic/Orissa pattern glazed earthern ware W.C with			
		integral foot rest, white / light colour, with 3 gallons low level flushing tank system, 1-1/2" dia, PVC (D-type) flush pipe, "P" or "S" trap best quality			
		"Porta or Approved Equivalent" make, C.P tee stop cock with wall cups,			
		"SONEX", "MASTER" painted M.S. wall brackets with nuts and bolts,			
		complete in all respect as per specifications and drawings.	32.00	Each	
4	NS	Providing and fixing wash hand basin vanity, white / light colour, C.P. tee			
		stop cock with wall cups, "Porta or Approved Equivalent", waste couplien,			
		plug with C.P. brass chain, 1-1/2" dia. P.V.C. (D-type) Waste pipe, connections to water lines, C.P. brass union, nuts, washers, C.P. grating			
		including C.P. bottle trap etc.Complete in all respect as per specifications			
	NO	and drawings.	64.00	Each	
5	NS	Providing,Installing and fixing wash hand basin Padestal type "Porta or Approved Equivalent" with waste coupling ,cp nozzle & which includes but			
		not limited to fixing, connection pipes, connections to water lines, C.P.			
		brass union, nuts, washers, etc. complete in all respect as per			
		specifications and drawings and as directed by the Engineer.	12.00	Each	
6	NS	Providing,Installing and fixing wash hand basin Padestal type "Porta or			
		Approved Equivalent" with waste coupling ,cp nozzle & which includes but not limited to fixing, connection pipes, connections to water lines,C.P.			
		brass union, nuts, washers, etc. complete in all respect as per			
		specifications and drawings and as directed by the Engineer (for Disable)	0.00		
7	NS	Providing and fixing stainless steel kitchen sink of 20 gauge of "Porta or	8.00	Each	
,	NO	Approved Equivalent" including, brackets, screws,15 mm dia. C.P. brass			
		T. stop cocks of Master, Sonix, 40 mm dia heavy duty waste coupling and			
		PVC flexible waste pipe of approved make and quality complete all respects.	8.00	Each	
8	NS	Providing and fixing C.P. Muslim Shower with double bib cock of best	0.00		
		quality, with C.P. flexible pipe of "Porta or Approved Equivalent", complete	02.00	E a t	
9	NS	in all respect as per specifications and drawings. Providing and fixing 15 mm dia C.P. mixer with C.P pipe 15 mm dia, of	92.00	Each	
3	NO	"Porta or Approved Equivalent", Porta or approved equal complete			
\vdash		including pipe connections, all fittings, testing etc.	04.00		
\vdash		a) Wash basin mixer	84.00 8.00	Each	
\vdash		b) Sink mixer c) Ablution Double bib cock	8.00	Each Each	
10	NS	Providing and fixing best quality distortion free imported Belgium glass			
		(beveled) mirrors 5mm thick with hard board backing, chromium plated			
		screws/brackets, complete in all respects as per specifications and drawings.(for vanity)			
			320.00	Sft	
		Water Supply System			
11	NS	Providing, fixing, jointing and testing Polypropylene Random (PPR) pipes, VODA PIPES/(Polydex by DADEX) or approved equivalent, pressure pipe			
		for cold/hot water as per DIN 8077-8078,PN-20 for pipes and DIN			
		16962,PN-25 for fittings (polyfusion welded joints) inside building			
		including fittings and specials (sockets, tees, elbows, bends, crosses, reducers, adaptor, plugs and union etc.) supported on walls or suspended			
		from roof slab or run in chases including pipe hangers, supports, cutting			
		and making good the chases and holes, complete in all respects.			
		25mm dia	715	Rft	
		32mm dia	902	Rft	
		40mm dia	627	Rft	
		50mm dia	193	Rft	
12	NS	Providing and installing ball valves of following nominal dia, Scon/Kitz make or approved Equaivalent, including jointing, fitting, painting, testing,			
		complete in all respects to match with PPR and PE pipes of following			
		diameters.	0	Nee	
		25 mm 32 mm	0 16	Nos.	
		40 mm	16	Nos.	
		50 mm	0	Nos.	
		Sewerage System			
13	NS	Providing, laying, fixing and testing uPVC Nicasi soil, waste, vent and rain water as per ISO 3633:1991 or equivalent BS specifications including			
		uPVC fittings with solvent cement jointing or rubber ring joints,VODA			
		PIPES/DADEX Or Approved Equivalent make as approved by the			
		Engineer complete in all respects, including clamps, bends, tees, Y-tees, cowls, reducers, sleeves, clean out, waterproof sleeves, roof drain, etc.,			
		embedded in floors and walls, clamped to walls, suspended from slab			
		(common hanger shall be used for pipe hanging and fiber glass tray under			
		pipes), painted MS horizontal and vertical pipe hangers of approved design making requisite no. of holes and making good the same complete			
		in all respect as per specifications and drawings.			
$ \square $					
\vdash		2" i.d	1,020	Rft D#	
\vdash		3" i.d 4" i.d	1,791 2,522	Rft Rft	
14	NS	Providing, fixing, cutting, jointing and testing uPVC Vent Cowel on Vent	_,- _		
		Pipes with solvent cement jointing, VODA PIPES/DADEX or approved			
		equivalent, rates include cost of cutting & pipe fittings of the following diameter:			
╘─┼		2" i.d	48.00	Nos	
15	NS	Providing, laying, fixing and testing floor drain (multifloor trap) uPVC			
		including extension grating and stainless steel cover grating best quality local make Porta or Approved Equivalent as approved Engineer, complete			
		in all respect as per specifications and drawings.	160.00	Nos.	
16	NS	Providing and fixing clean out with threads ferule fixed in pipe with the			
		help of solvent, as shown on drawing, complete in all respects as per specifications and drawings.			
\vdash		3" i.d	50.00	Nos.	
		4" i.d	28.00	Nos.	
17	NS	Providing and making top khurra/R.W.C.B using 3" thick plain cement			
		concrete 1:2:4 matching with roof tiles with steel trowel finishing at desired level including curing, finishing, complete in all respect as per			
		specifications and drawings.			
		i) 1'x1'.	22.00	Nos.	

		ii) 2'x2'.	24.00	Nos.	
		Gas Supply System			
18	NS	Providing, laying, fixing, testing (at 90 psi) and disinfecting, galvanized iron pipelines for sui gas supply of "Jamal pipe Or Approved Equivalent", as per BSS 1387 medium quality, "IIL", and "KPM" as approved by the Engineer complete in all respects to their entire satisfaction, including specials such as tee, cross, reducer, bend, union, elbow, plug, socket etc., supported on walls or suspended from slab, including painted MS horizontal and vertical pipe hangers of approved design, supports, cutting and making good the same as necessary to the structure including two layers of anticorrosive bitumen tape overlapped 6mm at edges to all buried pipes, complete in all respect as per specifications and drawings.			
		3/4" i.d	230	Rft	
19	NS	Providing and installing ball valves of following nominal dia, Kitz make, including jointing, fitting, painting, testing, complete in all respects to match with following G.I pipe diameters.			
		3/4" i.d	8.00	No.	
20		Fire Extinguisher System			
		Providing, fixing, testing fire existuishers of following type, complete in all respects as per design drawings and as per satisfaction of the Engineer incharge			
20.1	NS	Dry Chemical Powder Type Fire Extinguisher Portable 4 kg ABC Powder Model PD4D	32.00	Each	
20.2	NS	CO2 Type Fire Extinguisher Portable 5 kg CO2 Model CD5D	32.00	Each	
20.3	NS	Fire Exit Lights Ceiling Mounted (Self Contained)	66.00	Each	
Total "	B"(Schedu	Ile items) C/o to Summary of Cost :			
Net To	tal (A+B) :				

EXTERNAL	PUBLIC	HEALTH	WORK

MRS, 15	Ch.3 Item 44/P-33 Ch.3 Item 44/P-33	AL-2021 (1st JANUARY-2021 to 30th JUNE -2021) DISTRICT BAHAWAL Schedule Items (A) Plumbing Fixtures Water Supply System (For Pipe Line) Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft. (1.5 m) depth **8.1 after laying of pipe line, which is from ground level, including trimming, dressing sides, payable separately. leveling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects. Gas Supply System (For Pipe Line) Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft.	PUR 8281	1000 Cft	
2	44/P-33 Ch.3 Item	Plumbing Fixtures Water Supply System (For Pipe Line) Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft. (1.5 m) depth **8.1 after laying of pipe line, which is from ground level, including trimming, dressing sides, payable separately. leveling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects. Gas Supply System (For Pipe Line) Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated	8281	1000 Cft	
2	44/P-33 Ch.3 Item	Water Supply System (For Pipe Line) Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft. (1.5 m) depth **8.1 after laying of pipe line, which is from ground level, including trimming, dressing sides, payable separately. leveling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects. Gas Supply System (For Pipe Line) Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated	8281	1000 Cft	
2	44/P-33 Ch.3 Item	Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft. (1.5 m) depth **8.1 after laying of pipe line, which is from ground level, including trimming, dressing sides, payable separately. leveling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects. Gas Supply System (For Pipe Line) Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated	8281	1000 Cft	
2	44/P-33 Ch.3 Item	 watersupply pipelines upto 5 ft. (1.5 m) depth **8.1 after laying of pipe line, which is from ground level, including trimming, dressing sides, payable separately. leveling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects. Gas Supply System (For Pipe Line) Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated 	8281	1000 Cft	
3		Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated			
3		including dagbelling, dressing, refilling around structure with excavated			
4		(1.5 m) b) in ordinary soil. Sewerage System (For Pipe Line)	5150	1000 Cft	
4		Earthwork excavation in open cutting for sewers and manholes as shown			
4		in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- (FOR PIPES)			
	Ch 3 item 42(i)/P-32	i) 0 ft. to 7.0 ft. (0 to 2.10 m) depth	10359	1000 Cft	
5	Ch 7 item 30/P-56	Supplying and filling sand under floor; or plugging in wells	1011	100 Cft	
5		Septic Tank (2 Nos.)			
	Ch.3 Item 42(i)/P-32	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- i) 0 ft. to 7.0 ft. (0 to 2.10 m) depth			
			847	1000 Cft	
6	Ch.3 Item 42(ii)/P-32	ii) 7-01 ft. to 15.0 ft. (2.15 to 4.5 m) depth	363	1000 Cft	
7 It	Ch.6 tem5(i)/P-42	Cement concrete plain including placing compacting, finishing and curingcomplete (including screening and washing of stone aggregate): Nominal mix (1: 4: 8) having minimum 1500 Psi cylindrical compressive strength at 28 day	40	100 Cft	
8 6		Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened surface smooth, and the plastering graded and washed aggregate, in required shape and design, done for making up all surfaces including forms, moulds, shuttering, lifting, compacting, after removing centring. curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a)(ii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizental shuttering) complete in all respects:- (2) Type B (nominal mix 1: 1½: 3) having minimum 3000 Psi cylindrical compressive strength at 28 days.	438	Per Cft	
9 (Ch.6 item 6a(i)2 /P-42	(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:- (2) Type B (nominal mix 1: 1½: 3) having minimum 3000 Psi cylindrical compressive strength at 28 days.	85	Per Cft	
10		Fabrication of mild steel reinforcement for cement concrete, including			 +

11	Ch 21 Item,	Providing and fixing 6" thick R.C.C. manhole cover with tee shaped C.I.				
	15-A/P-124	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.	4	Per Set		
12	Ch 6 Item 28/P-46	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.	54	Rft		
13	Ch.13 Item	Bitumen coating to plastered or cement concrete surface				
	9/P-87	(i) 20 lbs. per 100 sft.	270	100 Sft		
14	Ch 10 Item 39/P-70	Mosaic dado or skirting with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over ½"(13 mm) thick cement plaster 1:3, including rubbing and polishing, complete with finishing: (a) using grey cement:				
		i) 3/8"(10 mm) thick Gully Trap	556	100 Sft		
15	Ch 21 item 7(b)/P-123	Constructing gully grating chamber,12"x12", (300x300 mm) complete in all respects:	20	Feeb		
Total '	"A"(Schedule	b) concrete Gully trap. e items) C/o to Summary of Cost:	20	Each		
		Non Schedule Items (B)				
		Water Supply System				
1	NS	Providing, fixing, jointing and testing Polypropylene Random (PPR) pipes, VODA PIPES/(Polydex by DADEX) or approved equivalent, pressure pipe for cold/hot water as per DIN 8077-8078,PN-20 for pipes and DIN 16962,PN-25 for fittings (polyfusion welded joints) inside building including fittings and specials (sockets, tees, elbows, bends, crosses, reducers, adaptor, plugs and union etc.) supported on walls or suspended from roof slab or run in chases including pipe hangers, supports, cutting and making good the chases and holes, complete in all respects.				
		63mm dia	2,070	Rft		
2	NS	Providing and installing ball valves of following nominal dia, Scon/Kitz make or approved Equaivalent, including jointing, fitting, painting, testing, complete in all respects to match with PPR and PE pipes of following diameters.				
		63 mm	1	Nos.		
3	NS	Sewerage System Providing and fixing 1" malleable dia cast iron step, in Under ground tank				
0		, manhole, including carriage and setting the same in work to correct lines and levels.(for tanks)	28	Nos.		
4	NS	Providing, laying, fixing and testing uPVC Nicasi soil, waste, vent and rain water as per ISO 3633:1991 or equivalent BS specifications including uPVC fittings with solvent cement jointing or rubber ring joints,VODA PIPES/DADEX Or Approved Equivalent make as approved by the Engineer complete in all respects, including clamps, bends, tees, Y-tees, cowls, reducers, sleeves, clean out, waterproof sleeves, roof drain, etc., embedded in floors and walls, clamped to walls, suspended from slab (common hanger shall be used for pipe hanging and fiber glass tray under pipes), painted MS horizontal and vertical pipe hangers of approved design making requisite no. of holes and making good the same complete in all respect as per specifications and drawings.				
		6" i.d	949	Rft		
5	NS	8" i.d Providing and constructing 2'x2' manhole with brick work including excavation, backfilling, RCC work PCC 1:2:4 cambering, plastering in 1:4 inside & outside, water proofing etc., upto 6' depth and size including ladder top slab, 18" heavy duty C.I. Manhole cover with frame "ALPINE INDUSTRIAL CON", "CME", "NPC SUPER" as shown on the drawings, complete in all respect as per specifications and drawings.		Rft		
		Gas Supply System				
6	NS	Providing, laying, fixing, testing (at 90 psi) and disinfecting, galvanized iron pipelines for sui gas supply of "Jamal pipe Or Approved Equivalent", as per BSS 1387 medium quality, "IIL", and "KPM" as approved by the Engineer complete in all respects to their entire satisfaction, including specials such as tee, cross, reducer, bend, union, elbow, plug, socket etc., supported on walls or suspended from slab, including painted MS horizontal and vertical pipe hangers of approved design, supports, cutting and making good the same as necessary to the structure including two layers of anticorrosive bitumen tape overlapped 6mm at edges to all buried pipes, complete in all respect as per specifications and drawings.				
7	NS	3/4" i.d Providing and installing ball valves of following nominal dia, Kitz make, including jointing, fitting, painting, testing, complete in all respects to match with following G.I pipe diameters.	1,288	Rft		
		3/4" i.d	1.00	No.		
8	NS	Providing, fixing & testing Gas meter as per Sui Northern gas with All Accessories.complete in all respect as per drawings,Specification & Engineer In Charge.	1.00	No.		
	"B"(Schedule otal (A+B) :	e items) C/o to Summary of Cost :			1	
	•	ELECTRICAL WORKS			•	•
lt			1		D-4:	
ltem No.	REF. Nos CH/ITEM	Description of Items	Qty	Unit	Rate (Rs.)	Amount (Rs.)
MRS,	1st BI-ANNU	AL-2021 (1st JANUARY-2021 to 30th JUNE -2021) DISTRICT BAHAWAL	PUR			 1
		SCHEDULE ITEM-A				
A.01		Internal Electrification Light Circuits	<u> </u>			+
A.01	1				L	

		Supply, installation and commissioning of light circuit wiring, to be wired with 3x2.5mm sq. (1P+1N+1PE) PVC insulated 300/500 V grade wire make Pakistan Cable, Newage,Fast Cables, in and including cost of 1" dia. heavy duty PVC conduit make Beta, Popular recessed in , walls, Roof slab, or on surface or above false ceiling or as required as per site conditions, all PVC conduit accessories, pull boxes, steel pull wires,			
		complete in all respects. Each circuit shall have independent PE.			
	CH: 24 Item 10 (a)-iii P- 144	Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 2.5 mm (7/0.029")			
	CH: 24 Item	Supply and erection of PVC pipe for wiring recessed in wall including	13,950.00	Rft	
4.02	3 (iii) P-143	inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, etc, complete with all specials ii) Cost of 25mm	3,487.50	Rft	
<u>A.02</u>	CH: 24 Item 10 (a)-iii P- 144	UPS Light Circuits Supply, installation and commissioning of UPS light circuit wiring, to be wired with 1x2.5mm sq. (1UPS) PVC insulated 300/500 V grade wire make Pakistan Cable, Newage,Fast Cables, in pre installed 1" dia. heavy duty PVC conduit make Beta, Popular recessed in , walls, Roof slab, or on surface or above false ceiling or as required as per site conditions, all PVC conduit accessories, pull boxes, steel pull wires, complete in all respects Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 2.5 mm (7/0.029")			
			3,750.00	Rft	
A.03		1-Light Point Controlled By One Switch Wiring of one light point controlled by one switch and wired with 3x1.5 mm sq. (P+N+PE) PVC insulated wires 300/500 V. grade makePakistan Cable, Newage,Fast Cables, in and including cost of 3/4" dia. heavy duty PVC conduit make Beta, Popular installed on RCC slab, above false ceiling, recessed in wall, columns slabs or above light carrier all PVC conduit accessories, 3" high PVC junction boxes, pull boxes, steel pull wires, PVC flexiable conduit from ceiling junction box to light fixture flush type plate switches, including cost of back boxes and switches of 10 Amps.			
	CH: 24 Item 10 (a)-i P- 144	Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 1.5 mm (3/0.029")	44,450.00	Rft	
	CH: 24 Item 3 (ii) P-143	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, etc, complete with all specials ii) Cost of 20mm	14,816.67	Rft	
A.04		Point -Point Wiring Same as per item No. A.03 but Loop wiring of a light point from first light point on same switch circuit, complete in all respects.			
	CH: 24 Item 10 (a)-i P- 144	Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 1.5 mm (3/0.029")	62 105 00	D#	
	CH: 24 Item 3 (ii) P-143	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, etc, complete with all specials	62,195.00	Rft	
A.05		ii) Cost of 20mm Exhaust Fan Point	20,731.67	Rft	
		Same as Item No. A.03 mentioned above but wiring of exhaust fan point			
		including cost of 10 Amp switch with M.S box 16 SWG with earth terminal.			
	CH: 24 Item 10 (a)-i P- 144	Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 1.5 mm (3/0.029")	4,000.00	Rft	
	CH: 24 Item 3 (ii) P-143	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, etc, complete with all specials	1,333.33	D#	
A.06		ii) Cost of 20mm Ceiling Fan Point Same as Item No. A.03 mentioned above but wiring of Ceiling fan point including cost of 10 Amp switch with M.S box 16 SWG with earth terminal.	1,333.33	Rft	
	CH: 24 Item 10 (a)-i P- 144	Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 1.5 mm (3/0.029")	23,880.00	Rft	
	CH: 24 Item 3 (ii) P-143	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, etc, complete with all specials ii) Cost of 20mm	7,960.00	Rft	
A.07		Wall Bracket Fan Same as Item No. A.03 mentioned above but wiring of Wall Bracket fan point including cost of 10 Amp switch with M.S box 16 SWG with earth	.,		
	CH: 24 Item 10 (a)-i P- 144	terminal. Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 1.5 mm (3/0.029")	260.00		
		Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, etc, complete with all specials	360.00	Rft	
A.08		ii) Cost of 20mm 1-13 Amps Switch Socket	120.00	Rft	

					-	
		Supply and wiring of one 3pin 13 Amps light plug socket outlet point from distribution board with single core 2x4mm2(P+N) PVC insulated 300/500 volt grade cable in & including PVC conduit recessed in walls/R.C.C. slab, or installed on surface of Ceiling, all conduits accessories, junction boxes, pull boxes etc. 2.5mm2 cable as PC excluding cost of 3 pin 13 Amps switch & socket outlet make CLIPSAL, Legrand , ABB or approved equivalent installed on & including 16 SWG sheet steel board recessed in walls complete in all respects and as per specifications & drawings.				
	CH: 24 Item 10 (a)-iv P- 144	Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 4 mm (7/0.036")	24,840.00			
	CH: 24 Item 10 (a)-iii P- 144	Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 2.5 mm (7/0.029")	8,280.00	Rft		
A.09	CH: 24 Item 3 (iii) P-143	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, etc, complete with all specials ii) Cost of 25mm Loop-Loop- 13 Amps Switch Socket	8,280.00	Rft		
		Same as item No.A.12 above but loop wiring of 13A power socket outlet with 2x4mm2(P+N) & 1x2.5mm2 as CPC from point to point excluding cost of one 15A 3 pin switch socket outlets with make CLIPSAL, Legrand, ABB or approved equivalent installed on & including 16 SWG sheet steel boards recessed in walls /columns.				
	CH: 24 Item 10 (a)-iv P- 144	Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 4 mm (7/0.036")	7,980.00	Rft		
	CH: 24 Item 10 (a)-iii P- 144	in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 2.5 mm (7/0.029")	2,660.00	Rft		
A.10	CH: 24 Item 3 (iii) P-143	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, etc, complete with all specials ii) Cost of 25mm Loop-Loop- 5 Amps Switch Socket	2,660.00	Rft		
	CH: 24 Item	Same as item No.A.12 above but loop wiring of 5A power socket outlet with 2x4mm2(P+N) & 1x2.5mm2 as CPC from point to point excluding cost of one 15A 3 pin switch socket outlets with make CLIPSAL, Legrand, ABB or approved equivalent installed on & including 16 SWG sheet steel boards recessed in walls /columns. Supply and erection of single core PVC insulated copper conductor cables				
	10 (a)-iv P- 144	in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 4 mm (7/0.036")	21,000.00	Rft		
	CH: 24 Item 10 (a)-iii P- 144	Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 2.5 mm (7/0.029")	7,000.00	Rft		
A.11	CH: 24 Item 3 (iii) P-143	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, etc, complete with all specials ii) Cost of 25mm 1-15 Amps Switch Socket	7,000.00	Rft		
		Supply and wiring of one 3pin 15 Amps Power plug socket outlet point from distribution board with single core 2x4mm2 (P+N) PVC insulated 300/500 volt grade cable in & including PVC conduit recessed in walls/R.C.C. slab, or installed on surface of Ceiling including all conduits accessories, junction boxes, pull boxes etc. 4mm2 cable as PC including cost of 3 pin 20 Amps switch & socket out let make CLIPSAL, Legrand, ABB or approved equivalent installed on & including 16 SWG sheet steel board recessed in walls complete in all respects and as per specifications & drawings.				
	CH: 24 Item 10 (a)-iv P- 144	Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 4 mm (7/0.036")	1,350.00	Rft		
	CH: 24 Item 10 (a)-iii P- 144	Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 2.5 mm (7/0.029")	450.00	Rft		
A.12	CH: 24 Item 3 (iii) P-143	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, etc, complete with all specials ii) Cost of 25mm Power Cables and PVC Conduit	450.00	Rft		
		L.T. Power Cables Supply at site, installation, testing and commissioning of PVC insulated armoured copper conductor cable 600 / 1000 Volt grade in prelaid conduits / trenches to be installed as per routes shown on drawings including cost of all necessary materials, connections, identification tags, cables lugs properly crimped at both ends for the following sizes complete in all respects. Actual length of cables to be installed shall be practically measured at site by the Contractor, duly authenticated by the employers electrical engineer before placing the order with the manufacturer, however, approximate length of cables are shown herewith. Payments shall be made as per actual length installed.make Pakistan Cable, Newage Cable, Fast Cable or eqv.				
a)		PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG.				

i)	CH: 24 Item 12-vii P-145	1 core 185mm sq. (37/0.103") cable from MPB to MPB-E	360.00	Rft	
ii)	CH: 24 Item	4 core 25mm sq. cable from Meter Panel Board to DBs.			
	13 (c)-vii P- 145		1,310.00	Rft	
iii)	CH: 24 Item	4 core 16mm sq. cable from Meter Panel Board to DBs.	,		
	13(c)-vi P- 146		1,570.00	Rft	
b)		single core PVC insulated, PVC sheathed copper conductor, 660/1100	,		
i)	CH: 24 Item	volts grade cable Circuit Protective Conductor (CPC) 1 core 70mm sq.			
,	12 (iv) P-145		360.00	D#	
ii)	CH: 24 Item	1 core 16mm sq.	500.00	Rft	
	12 (i) P-145	1 core 6mm sg.	1,310.00	Rft	
iii)	сп. 24 цент 11 (v) Р-144	i core onin sq.	1,570.00	Rft	
A.13		PVC Conduit Supply at site of PVC conduit heavy duty to be concealed in RCC slabs, walls, floor, columns above false ceiling or as required as per site conditions including cost of all PVC conduit accessories, steel pull wires, complete in all respects.			
i)	CH: 24 Item 6 (i) P-143	2" DIA PVC Conduit	600.00	Rft	
ii)	CH: 24 Item	25 mm i/d			
	3(iii) P-143		400.00	Rft	
		Total "A"(Schedule items) C/o to Summary of Cost:			
		NON SCHEDULE ITEM-B			
B.01	Appendix ' c'	Switch & Sockets. Providing and fixing of 2 gang switch 10 Amp with back box (6"x3"). Make			
	Page No-1	Clipsal Austrila, Philips or eqv.	20.00	Each	
ii		Providing and fixing of 4 gang switch 10 Amp with back box (6"x3"). Make Clipsal Austrila, Philips or eqv.	142.00	Each	
iii		Providing and fixing of 6 gang switch 10 Amp with back box (6"x3"). Make			
)	Clipsal Austrila, Philips or eqv.	110.00	Each	
iv		Providing and fixing of 8 gang switch 10 Amp with back box (6"x3"). Make Clipsal Austrila, Philips or eqv.			
	6		50.00	Each	
v		Providing and Fixing of Switched Socket 5 Amp with back box (3"x3"). Make Clipsal Austrila, Philips or eqv.			
vi	Appondix ! o'	Draviding and Eiving of Universal Switched Saaket 12 Amp with back bay	600.00	Each	
vi		Providing and Fixing of Universal Switched Socket 13 Amp with back box (3"x3"). Make Clipsal Austrila, Philips or eqv.	504.00	Each	
vii		Providing and Fixing of Universal Switched Socket 20 Amp with back box			
	Page No-7	(3"x3"). Make Clipsal Austrila, Philips or eqv.	15.00	Each	
B.02		Fitting and Fixtures.			
		Incandescent Fittings			
		Supply, instalation, testing and commissioning of LED road light with imported chip, campitble imported driver with IP 66 rating, built in Aluminium Alloy + lens housing, input voltage AC 85-285V Frequency 50-60 Hz, beam angle 140° LED Life span 60000 Hours, colour Warm white 3000K, as per specifications and to the approval of the Consultant/ The Engineer, Make Philips, SunLight, Lumilux eqv.			
i)		Supply & installation of LED 17W Down Light (6" Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and energy of the Engline Laboratory (Dilling Magan et al.			
		directed and approved by the Engineer Incharge (Philips Meson or Equivalent)	1,696.00	Nos.	
ii)		Supply & installation of LED 2'x 2' 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 36S/865 PSU W60L60 GM G2 or Equivalent)	874.00	No	
iii)		Supply, Installation and connection of LED Search light (100W, 240~, Day light) i/c PVC wire connector 16A and any accessories (i.e. screw. Rawl plug or steel nail, etc.) at site. Complete in all as approved by the Engineer			
iv.)	Appondix	incharge. (Osaka-E018E or equivalent). Supply and installation of outdoor LED Bollard Light 12 Watt, complete	8.00	No	
iv)		with all necessary materials / accessories, complete in all respects			
v)		Supply and installation of outdoor LED Garden Light Warm 05 Watt, complete with all necessary materials / accessories, complete in all	36.00	No	
P A ⁻	5	respects	57.00	Nos.	
B.03		Exhaust Fans Supply, installation and commissioning of Exhaust Fans of following sizes			<u> </u>
	A	Matlic body, louvers, all necessary fixing accessories, make Lahore Fan, PAK Fan , GFC Fan complete in all respects.			
a)	Appendix ' c' Page No-12	12" dia (Plastic Body).	100.00	No	
B.04	A	Ceiling Fan			
i)	Page No-52	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	Nos.	
ii)		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	Nos.	
		TOTAL AMOUNT - Part - B (PKR)			
iii)	Appendix ' c'	(CARRIED FORWARD TO SUMMARY) 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)	400.00	Nos.	
B.05		Wall Bracket Fan			

	Appendix ' c'	Supply & installation of Wall Bracket Fan 18" (99.99% Copper) i/c any		<u> </u>			
		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		Nos.		
B.06		L.T. Switchgear Main Panel Board-WAPDA					
		Fabrication, supply at site, installation at designated location, testing and commissioning of Main Panel Board (MPB) comprising of cubicles, frame made of sheet steel 12 SWG and doors of 14 SWG, with flexible earthing straps, degreased and de-rusted, finished with electro-static powder coating of 50 micron thickness in approved color, panel housing to comply with protection class IP-54, indoor floor mounting, in free standing design, with hinged door, lockable handle, all auxiliaries, internal wiring, designation labels on MCCBs, earthing bar, numbering beads on the control wires, panel suitable for system Voltage 415 V, 50 Hz, 3 Phase and neutral, bus bars of 99.8% purity electrolytic copper, including cost of cable termination lugs, brass cable glands for incoming & outgoing cables, wiring from breakers, indication lamps, instruments and control all accessories complete in all respects.					
		All incoming and outgoing breakers shall be accessible by opening the front door having additional M.S. sheet cover. Gaskets shall also be provided where necessary. All MCCBs shall be suitable to operate without any de-rating at 50°C ambient temperature and shall be of one make only and not a mixture of more than one make. The front and back sides of MPB shall also have louvers at bottom and sides of panel for hot air exhaust. The panel shall have a front access. Circuits layout shall conform to the single line diagrams. Main Panel Board shall be manufactured by PEL, Technobuild, Ibbad Switchgear or Eqv.					
		Incoming From WAPDA					
		1- 2500 Amps 3 pole Motorized Air Circuit Breaker (ACB) with adjustable overload and short circuit protection RC: 47 KA with Electronic Protection Unit, Aux Contact = 4No + 4NC.					
		Copper Bus Bars of electrolytic copper 99.9% size not less than 2x120x10mm for each phase and neutral (3P+N) on incoming side of breaker of facilitate connection cables.					
		Main copper bus bars of electrolytic copper 99.9% size not less than $2x120mm \times 10mm$ for each phase and neutral (3P+N) + 120mm x 10mm for earth.					
		3-Air cooled ring type current transformer ratio 2500/5 Amps having suitable output and accuracy.					
		3-Digital Ammeter scaled 0-2500 Amps of appropriate size.					
		3-Digital Voltmeter scaled 0-500 Volts.					
		3-Phase indication lamps of colour Red, Yellow, Blue.					
		2-Breaker ON-OFF indication lamp.					
		1- Surge Protective Device (SPD) arrestor 45 KA class:1 make Phoenix / ABB/ Iskra or approved equivalent.					
		1- Energy analyzer make Smart controller type X - 485.					
		Brass Cable Glands					
		As per SLD					
		Earthing Bar and Earth Terminal					
		Earthing bar with necessary punched holes, nuts, bolts and washers, etc.					
		Earthing terminals, all earth leads to have green base with yellow strip.					
		Exhaust Fan					
		Each cubicle to have 2 thermostatically controlled 230 Volts robust exhaust fans 6"/8" dia. to be installed on back side or on top of MPB for hot air exhaust, including cost of thermostat ON/OFF switches wire mesh, cleanable filter and all necessary accessories / wiring, complete in all respects.					
		Tube Light					
		Each cubicle to have a tube light of 2 ft. rod to be installed inside the cubicle alongwith micro switch on each door.					
		Outgoing					
		1- 2000 Amps 3 pole Motorized Air Circuit Breaker (ACB) with adjustable overload and short circuit protection RC: 47 KA with Electronic Protection Unit, Aux Contact = 4No + 4NC.					
		1- 1000 Amps 3 pole Adjustable Moulded Case Circuit Breaker (MCCB) RC=> 25 KA					
		1- 100 Amps 3 pole Moulded Case Circuit Breaker (MCCB) RC=> 16 KA					
				I	l		

		Spaces for installation of MCCBs of rating 60/125 ATP in future but		1		I	I
	Page No-14	EXCLUDING the cost of MCCBs.	1	.00	Each		
B.07		Main Panel Board- Emergency (MPB-E) Conforming to same constructional specifications as per item No. 1.02					
		mentioned above but equipped with the following:					
		Incoming					
		2- 1000 Amps 3 pole Adjustable Moulded Case Circuit Breaker (MCCB) RC=> 25 KA. Both are Electrical & Mechinical Interlocking System					
		Copper Bus Bars of electrolytic copper 99.9% size not less than 80x10mm for each phase and neutral (3P+N) on incoming side of breaker of facilitate connection cables.					
		Main copper bus bars of electrolytic copper 99.9% size not less than 80mm x 10mm for each phase and neutral (3P+N) + 40mm x 10mm for earth.					
		3-Air cooled ring type current transformer ratio 1000/5 Amps having suitable output and accuracy.					
		3-Digital Ammeter scaled 0-1000 Amps of appropriate size.					
		3-Digital Voltmeter scaled 0-500 Volts.					
		3-Phase indication lamps of colour Red, Yellow, Blue.					
		2-Breaker ON-OFF indication lamp.					
		2- Energy analyzer make Smart controller type X - 485.					
		Brass Cable Glands					
		As per SLD					
		Earthing Bar and Earth Terminal					
		Earthing bar with necessary punched holes, nuts, bolts and washers, etc.					
		Earthing terminals, all earth leads to have green base with yellow strip.					
		Exhaust Fan					
		Each cubicle to have 2 thermostatically controlled 230 Volts robust exhaust fans 6"/8" dia. to be installed on back side or on top of MPB for hot air exhaust, including cost of thermostat ON/OFF switches wire mesh, cleanable filter and all necessary accessories / wiring, complete in all respects.					
		Tube Light					
		Each cubicle to have a tube light of 2 ft. rod to be installed inside the cubicle alongwith micro switch on each door.					
		Outgoing					
		26- 50 / 60 / 75 / 100 Amps 3 pole Moulded Case Circuit Breaker (MCCB) RC=> 16 KA					
		Spaces for installation of MCCBs of rating 60/125 ATP in future but <u>EXCLUDING</u> the cost of MCCBs.	1	.00	Each		
B.08		Distribution Board (DBL1-GF,DBL2-GF,DBL4-GF,DBL5-GF,DBL1-1F,DBL2-1F,DBL4-					
		1F,DBL5-1F) Fabrication, supply at site, installation, testing, commissioning and connections of wires / cables of Distribution Boards "Light / Power" concealed / open type to be installed as and where shown on drawing, made of MS sheet 16 SWG degreased and derusted, zinc phosphated, finished with electro-static powder coating of 50 micron thickness in approved colour, DB housing to comply with protection class IP-44 with hinged door, flexible earthing strap lockable handle, catcher, earthing bar, neutral strip, internal wiring from MCBs terminating on cable terminal blocks, including cost of all necessary materials complete in all respects. DBs shall be manufactured by PEL, Technobuild, Ibbad Switchgear or Eqv.					
		Incoming					
		1- 50 Amps 3 pole Moulded Case Circuit Breaker (MCCB) RC: 16 KA.					
		Outgoing					
		18- 10 Amps Single Pole MCB RC: 6 KA					
		Incoming From UPS					
		1- 30 Amps 3 pole Moulded Case Circuit Breaker (MCCB) RC: 16 KA.					
		O <u>utgoing</u>					

1	I			1		1	1
		11- 10 Amps Single Pole MCB RC: 6 KA					
		 Internal power wiring, and control wiring, thimbles, tie, and cable tray. Backled & safety sheet for live equipment. 					
	A						
		Provision of spaces for future MCB's of rating 10 Amps but EXCLUDING the cost of breakers.	0				
B.09		(DBL3-GF,DBL3-1F)	8		No.		
		Conforming to same constructional specifications as per item No. B.14 mentioned above but equipped with the following:					
		Incoming					
		1-50 Amps 3 pole Moulded Case Circuit Breaker (MCCB) RC: 16 KA.					
		Outgoing					
		21- 10 Amps Single Pole MCB RC: 6 KA					
		Incoming From UPS					
		1- 30 Amps 3 pole Moulded Case Circuit Breaker (MCCB) RC: 16 KA.					
		Outgoing					
		11- 10 Amps Single Pole MCB RC: 6 KA					
		1- Internal power wiring, and control wiring, thimbles, tie, and cable tray. Backled & safety sheet for live equipment.					
		Provision of spaces for future MCB's of rating 10 Amps but EXCLUDING the cost of breakers.	-		_ /		
B.10			2		No.		
		1F,DBP5-1F) Conforming to same constructional specifications as per item No. B.14 mentioned above but equipped with the following: <u>Incoming</u>					
		1-75 Amps 3 pole Moulded Case Circuit Breaker (MCCB) RC: 16 KA.					
		Outgoing					
		33- 16/20 Amps Single Pole MCB RC: 6 KA					
		1- Internal power wiring, and control wiring, thimbles, tie, and cable tray. Backled & safety sheet for live equipment.					
		Provision of spaces for future MCB's of rating 10 Amps but EXCLUDING the cost of breakers.	8		No.		
B.11		(DBP3-GF,DBP3-1F)					
		Conforming to same constructional specifications as per item No. B.14 mentioned above but equipped with the following: <u>Incoming</u>					
		1- 60 Amps 3 pole Moulded Case Circuit Breaker (MCCB) RC: 16 KA.					
		Outgoing					
		21- 16/20 Amps Single Pole MCB RC: 6 KA					
		1- Internal power wiring, and control wiring, thimbles, tie, and cable tray. Backled & safety sheet for live equipment.					
		Provision of spaces for future MCB's of rating 10 Amps but EXCLUDING the cost of breakers.					
B.12		L.T. Power Cables	2		No.		
5.12		Supply at site, installation, testing and commissioning of PVC insulated					
		armoured copper conductor cable 600 / 1000 Volt grade in prelaid conduits / trenches to be installed as per routes shown on drawings					
		including cost of all necessary materials, connections, identification tags, cables lugs properly crimped at both ends for the following sizes					
		complete in all respects. Actual length of cables to be installed shall be practically measured at site by the Contractor, duly authenticated by the					
		employers electrical engineer before placing the order with the manufacturer, however, approximate length of cables are shown herewith.					
		Payments shall be made as per actual length installed.make Pakistan Cable, Newage Cable, Fast Cable or eqv.					
a)		PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, non					
i)	Appendix ' c'	armoured with G.I. wire 16 SWG.					
	Page No-61		750.00		Rft		
B.13	Appendix ' c'	BUS-TIE-DUCT (BTD) (Form Transformer to Main Panel Boards. Supply and installation of Compacted Bus Tie Duct consists of 2500 A					
		TP&N Copper Bus Tie Duct complete with 14SWG duly MS sheet powder painted casing and necessary insulated mounting etc as per site					
		requirement with fixing / hanging arrangements, Exhaust Fans complete in all respect as per satisfaction of Electrical Engineer.	60		Rft		
B.14		Powder Coated Ceiling Suspended / Horizontal Cable Tray in Corridor	00		rtit		
						<u> </u>	

					1	r
		Fabrication, supply at site and installation of perforated cable tray made of M.S. sheet 14 SWG 8 ft. to 10 ft. long with sides 3" high with cover of cable tray made of 18 SWG M.S sheet to be installed on wall, or in vertical, or above false ceiling in horizontal position or as shown on drawing, including cost of the following:-				
		2 M.S threaded hanging rod 1/2" dia. Length 12" or as required as per site.				
		M.S strip 2" wide x 1/4" thick. Hilti rawal bolts as per required quantity & size. 2 coats of antirust paint.				
		2 coats of powder coating of approved colour. Complete hanging system shall be installed at every 36".				
		The above mentioned cable tray shall be complete in all respects including cost of all accessories / materials. Cable tray shall be of the following sizes.				
	Appendix ' c' Page No-63	a) 6" wide x 3" high with cover.	400.00	Dé		
	Appendix ' c'	b) 9" wide x 3" high with cover.	400.00	Rft		
	Page No-64		765.00	Rft		
		c) 12" wide x 3" high with cover.				
B.15	Page No-65	Wall Mounted Fire Extinguisher	90.00	Rft		
		Supply at site, installation of fire extinguisher suitable for fire erupted due				
		to electrical short circuit, make Haseen Habib or approved equivalent, including cost of fixing system of fire extinguishers complete in all respects. Fire extinguishers shall be installed in electric rooms or as mentioned below:				
	Appendix ' c' Page No-66	Electrical Room	2	Nee		
B.16			2	Nos.		
i a	Appendix ' c'	FIRE ALARM CABLE Supply, Installation and commissioning of wiring for FACP Power from				
	Page No-17	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), Belden as approved by consultants, Complete in all respect	150.00	Rft		
b		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				
ii		MANUAL CALL POINTS	9,680.00	 Rft		
		Supply, installation and connecting of non-addressable manual call				
	Fage NO-19	stations press glass type with test dey, suitable for surface or flush mounting Model DL-MCP-1010 make Delpro (UK), or Honeywell (Esser) inclulding cost of all other accessories as required. All equipped as per specifications, complete in all respects. ALARM SOUNDER /BUZZER	20.00	Nos.		
		Supply, installation and connections of Non- Addressable Type Indoor				
	Page No-20	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) including cost of all other accessories as required. All equipped as per specifications, complete in all respects.	20.00	Nos.		
iv	Appendix ' c'	OPTICAL SMOKE DETECTOR Supply, installation and connections of Supply, installation and				
	Page No-21	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	044.00			
v		as per specifications, complete in all respects. <u>HEAT DETECTOR</u>	214.00	Nos.		
		Supply, installation and connections of Non-Addressable Heat Detectors Model DL-HD-1225 incorporating an LED indication located in labyrinth with in the housing of the detector. Sensing unit. make Delpro (UK), or Honeywell (Esser) inclulding cost of all other accessories as required. All equipped as per specifications, complete in all respects.				
vi		FIRE ALARM CONTROL PANEL	8.00	Nos.		
		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) inclulding cost of all other accessories as required. All equipped as per specifications, complete in all respects. as per NFPA-72/EN-54 12 Zone	1.00	Nos.		
vii		FIRE ALARM JUNCTION BOX	1.00	1105.		
	Appendix ' c' Page No-24	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.				
B.17		CCTV System IP Base	1.00	No.		
l i		Data Wiring of Camera				

		Supply, Installation and commissioning of wiring as per drawing wired with CAT- 6 23 AWG, UTP Cable UL Listed, run in pre laid conduit from CCTV				
		point to Data Switcher, including all installation accessories. Make Delpro				
		(UK), Belden, Schneider, Actual quantities shall be measured as per site & paid accordingly. Complete in all respects				
			7,872.00		Rft	
ii	Ammanalistal	Power Wiring of Network Switch				
		Supply, Installation and commissioning of wiring for Power with flexible 3C, 2.5 Sq.mm, Fire Resistant Shielded Cable (Fire Rating for 2 hours) in				
	- gene n	prelaid conduit from prelaid Conduit. Make Delpro (UK) / Belden/ Covican				
		(Italy), or as specified in appendix-A as approved equivalent by engineer's Incharge or consultants, Actual guantities shall be measured as				
		per site & paid accordingly. Complete in all respects				
			150.00		Rft	
iii	Appendix ' c'	<u>Network Switch</u> Supply, Installation and commissioning of 24 port POE Network Switch				
		Make CISCO, 3M, Schnieder as approved equivalent by engineer's				
	U U	Incharge or consultants, Actual quantities shall be measured as per site &	2.00		N	
iv		paid accordingly. Complete in all respects CAT-6 UTP 1 METER PATCH CORD	2.00		Nos.	
IV	Appendix ' c'	Supply, installation and connections of CAT-6 UTP 1 meter Patch cord				
	Page No-27	· · · · · · · · · · · · · · · · · · ·				
		plated. Make Delpro (UK) Schneider as approved Eqavlent by engineer's Incharge or consultants, Actual guantities shall be measured as per site &				
		paid accordingly. Complete in all respects				
			20.00		No	
V	Appendix ' c'	CAT-6 UTP 3 METER PATCH CORD Supply, installation and connections of CAT-6 UTP 3 meter Patch cord				
		Factory Fabricated and UL Listed with anti Snag Boots- Gold over nickel				
		plated. Make Delpro (UK), Schneider as approved Eqavlent by				
		engineer's Incharge or consultants, Actual quantities shall be measured as per site & paid accordingly. Complete in all respects				
			4.00		No	
vi		CAT-6 UTP 16 PORT SLIDING PATCH PANEL				
	Appendix ' c' Page No-29	Supply, installation & connections of CAT-6 UTP 16 Port sliding Patch Panel loaded with one piece tool less I/O's VDIG112241U-/VDIB17726-				
		U12 having u shaped smart bridle- Must be UL Listed. The patch panel				
		must have two side buttons for locking mechanism .Make Delpro (UK),				
		Schneider or as approved equivalent by engineer's Incharge or consultants, Actual quantities shall be measured as per site & paid				
		accordingly. Complete in all respects	2.00		Rft	
vii	Apparate	CABLE ORGANIZER MADE WITH METAL				
	Appendix ' c' Page No-30					
		mount Front Cable Organizer ACTRJ1-UC MPM Schneider as approved				
		equivalent by engineer's Incharge or consultants, Actual quantities shall				
		be measured as per site & paid accordingly. Complete in all respects	2.00		Rft	
viii		Dome / Bullet - IP - Camera				
	Appendix ' c'	Supply and installation of IP Dome / Bullet Day and Night Vision CCTV, 4MP Model D2404, H.264/H.265 Compatible with 2592x1520 Effective				
	Page No-51	Pixels and Varifocal Lens (2.8~12mm), With upto 40- 50 Meter IR				
		Distance, 40 PCS LED, IP65/66 Weatherproof and Vandalproof, with				
		Humen detection, complete in all respects make make Delpro (UK).	20.00		Nos.	
ix		Network Video Recoder	20.00		1103.	
	Appendix ' c'	11.37				
	Page No-32	with 4K Display output that support digital video stream with HDMI cable as required at site. Make Delpro (UK), approved equivalent by consultant				
		or Engineer Incharge, including Brand New 4TB Hard drive Sata .Actual				
		quantities shall be measured as per site & paid accordingly. Complete in	1 00		Nee	
x		all respects. MONITOR	1.00		Nos.	
	Appendix ' c'					
	Page No-33					
		Samsung, TCL, LG or as specified in appendix-A approved equivalent by consultant or Engineer Incharge, Complete in all respects Actual				
		quantities shall be measured as per site & paid accordingly. Complete in				
xi		all respects. Close Circuit Junction Box (CCJB)	1.00		Nos.	
		Supply and fabrication of close circuit junction boxes 16 SWG to be		$\left \right $		
		concealed in wall with 2 coats of antirust paint, earthing terminal, complete				
$\left - \right $	Appendix ' c'	in all respects. Junction boxes of appropriate size 4"x7".				
	Page No-24	Second Borto of appropriate Size + Xr .				
			1.00		Nos.	
B.18		DATA, WIFI SYSTEM POWER CABLE				
	Appendix ' c'					
	Page No-17	3C, 2.5 Sq.mm, Fire Resistant Shielded Cable (Fire Rating for 2 hours) in				
		prelaid conduit from prelaid Conduit. Make Delpro (UK), Belden, Covican (Italy), or as specified in appendix-A as approved equivalent by				
		engineer's Incharge or consultants, Actual quantities shall be measured as				
		per site & paid accordingly. Complete in all respects	600		Rft	
ii		Computer Outlet	000		rtit	
	Appendix ' c'	Supply and installation of Single Shutter Face Plate with bracket and UTP				
	Page No-34	Cat-6 Keystone Jack make : Delpro, clipsal, 3M,complete in all respect as				
		approved by the site incharge. RJ-45 outlet, included cost of Wall boxes.	270		Each	
iii		Computer Cables				
	Appendix ' c'			T		
	Page No-25	CAT- 6 23 AWG, UTP Cable UL Listed, run in pre laid conduit from CCTV point to Data Switcher, including all installation accessories. Make Delpro				
		(UK), Belden /Schneider or as specified in appendix-A as approved				
		equivalent by engineer's Incharge or consultants, Actual quantities shall				
		be measured as per site & paid accordingly. Complete in all respects	24300		Rft	
vi		Floor Level Data Cabinet Wall Mounted				

		Supply and installation of 12U (600 x 450mm) wall mounted data cabinet			
	Page No-36	with front glass door, two side opening, two way fans with 06 sockets power distribution unit, complete in all respect. Make Norden, Hp, Dell.	16	Each	
viii		WIFI ACCESS POINT	10	Luch	
	Appendix ' c' Page No-67	Supply, installation and connections of wireless wave two Wi-Fi access point or equivalent 2533Mbps dual-band, 802.11 abgn/ac with 20,40,80 MHz Channel width Support 4x4:4 streams, Beam Flex, Dual Polarized Integrated smart Directional antenna array. Auto-sensing 10/100/1000 Mbps, RJ-45 Power over Ethernet (PoE) Integrated 24 Antenna elements with more than 3000 Antenna Patterns, 15db interference mitigation, make Ruckus, Aruba, Linksys or as specified in appendix-A as approved by engineer's Incharge or consultants, Actual quantities shall be measured as			
		per site & paid accordingly. Complete in all respects	17	Each	
ix		<u>Computer Junction Box(CJB)</u> Supply, installation of computer junction box 16 SWG to be concealed in wall with 2 coats of antirust paint, earthing terminal, complete in all respects.			
	Appendix ' c' Page No-24	Computer Junction Box Size: 4"x7"x4" deep.			
B.19		TELEPHONE SYSTEM	1	 No.	
i		Telephone Outlet			
а		Supply and installation of Single Shutter Face Plate including I/Os with bracket and UTP Cat-6 Keystone Jack make : Norden, clipsal, 3M,complete in all respect as approved by the site incharge. RJ-45 outlet, including Plastic Wall Box Clipsal	298	Each	
b		Supply and installation of Double Shutter Face Plate including I/Os with bracket and UTP Cat-6 Keystone Jack make : Norden, clipsal, 3M,complete in all respect as approved by the site incharge.			
ii		RJ-45 outlet, including Plastic Wall Box Clipsal CAT-6 CABLE FOR TELEPHONE SYSTEM	12	 Each	
		Supply, Installation and commissioning of wiring as per drawing wired with CAT- 6 23 AWG, UTP Cable UL Listed, run in pre laid conduit from CCTV point to Data Switcher, including all installation accessories. Make Delpro (UK), Belden /Schneider or as specified in appendix-A as approved equivalent by engineer's Incharge or consultants, Actual quantities shall be measured as per site & paid accordingly. Complete in all respects	23250	Rft	
iii		Supply and installation of 50 Pair Cable UG/PVC (0.4 - 0.5 mm sq)	20200	 - NI	
	Page No-40	Telephone Cable (From JB to MDF)	3400	Rft	
iv		Telephone Junction Box 50 Pairs (TJB) Supply, installation and commissioning of telephone junction box 250/5			
	Appendix ' c' Page No-42	make Krone Germany Krone No. 6525/1/022/00 of approved colour, designation label as per drawing, including disconnecting modules of 30 Nos. Type 2/10 LSA Plus Profile Krone Germany No. 6089/1/102/02 for incoming and out going telephone cables, all necessary accessories complete in all respects Telephone Junction Box 50 Pairs (TJB)	10	No.	
B.20		Earthing System			
i		<u>Earthing System - Bore Type</u> Drilling of earth bore 3" (75mm) dia 80 to 90 ft. deep (24000 to 27000mm) or up to permanent water table, back filling, ramming, complete in all respect. Earthing bores shall be made at 8ft. away from foundation and distance between earth bore shall not be less than 10ft.			
	Appendix ' c' Page No-44	Bores for earthing body	6.00	No	
ii	Appendix ' c'	G.I. Pipe Supply at site and installation of G.I pipe 50mm dia. 14 SWG to be			
		installed in premade bore, all G.I pipe accessories like tees, bends, sockets etc: G.I pipe shall be connected to tinned copper spike as per detail shown on drawing, complete in all respects. Length of pipe shall depend upon the depth of the bore. Payment shall be made as per actual length installed.	600.00	Rft	
iii	Appendix ' c'	<u>Tinned Copper Spike</u> Supply at site, installation of tinned copper spike make NBI to be			
		manufactured as per detail shown on drawing. Spike shall be installed at bottom of G.I pipe, all G.I nuts and bolts, complete in all respect.	6.00	Nos	
iv	Appendix ' c'	<u>Copper Conductor</u> Supply at site, installation and connections of earthing leads consisting of			
		suppy at site, installation and connection of purity 99.9%, 70mm sq. to be installed in prelaid G.I pipe and connected to tinned copper spike and to test link in man hole and from test link to desired location as per detail shown or as per the instructions of the engineer. 2 Earthing leads shall be installed in G.I pipe, including cost of G.I nuts, bolts, washers, all necessary accessories, complete in all respects. Joints of copper conductor with G.I pipe shall be covered with 3 coats of bitumen. Payment shall be made as per actual length installed.	1,080.00	Rft	
v		Earth Connecting Points (ECP)	.,		
		Supply at site and installation of earth connecting points made of tinned copper plate of size 12" long x 3" wide x 1/2" thick to be installed as and where shown on drawings, complete with fixing arrangement, G.I nuts, bolts, washers, lugs, 1/2" dia. holes to facilitate connections of Incoming copper strips / copper conductors and outgoing circuit protective conductor (CPC).	6.00	Nos	
vi		Man Hole for Earthing			
		Construction of man hole 18" x 18" x 24" deep with 9" thick brick wall with cement mortar, internal plaster 1:4, RCC 4" thick man hole cover with lifting hooks and the following words written with paint on manhole cover "EARTHING PIT", complete in all respects. Man holes shall be made on all earthing bores.	6.00	Nos	
B.21		HT Consumer / Protection Panel			

	Appendix ' c'	Supply, installation, testing and commissioning of HT consumer /			
		protection panel factory fabricated and tested, manufacture by (SIMENS /			
	Tage No-00	Tariq Electric / PEL / FICO make only), consist of 12 SWG mild steel			
		sheet fabricated floor mounted free standing one cubical indoor type (I.P			
		54) total enclosed with hinged front doors, the panel designe suitable for			
		11KV three phase 50 Hrz AC system, high conductivity, hard drawn			
		electrolytic copper bus bars of adequate curren carring capacity and short			
		circuit raiting copper interconnections, internal wiring and cables,			
		termination arrangements, using HT Raycherm Heat Shrinkable			
		termination kit German for 3 core HT Armoured cable of appropriate size			
		as per wapda spacification and fineshed with RAL- 7032 powder coating			
		baked. Equiped with following compnents (All components used should be			
		from WAPDA approved list).			
		- HT. CONSUMER/PROTECTION PANEL			
			1.00	Each	
B.22		Power Transformer			
		Supply at site, installation, testing and commissioning of new step down			
	Page No-69	power transformer indoor type manufactured according to BSS-171, IEC-			
		76 or VDE-0532, specifications and consisting of the under mentioned			
		items.Filling device, drain plug, oil level indicator, lifting hooks, bi-			
		directional roller wheels, H.V. & L.V. porcelain bushings, off load tap			
		changer, 2 earthing terminals, conservator and silica gel breather,			
		thermometer pocket with thermometer, imported double float buckholz			
		relay, pressure relief vent, dial type thermometer with alarm & trip			
		contacts, rated Voltage 11000 / 415 / 230 Volts, suitable for an ambient			
		temperature of 50°C, winding temperature 55°C and oil temperature 45°C,			
		impedance 6% or as specified by IEC, system earth: Delta-Y, neutral			
		solidly earthed (DYN-II), transformer oil, I.P - 54. The transformer shall be			
		suitable for loading of 100% continuous maximum rating with "ONAN"			
		cooling without exceeding the thermal limit. all necessary accessories /			
		materials, including submission of technical data sheet, complete in all			
		respects and as approved by the Engineer.			
		- 2000 KVA	1.00	F I	
B.23		HT Power Cables	1.00	Each	
D.23		Supply, installation and commissioning of XLPE insulated, copper tape			
		screened PVC / SWA / PVC, 11 KV- Aluminum conductor cable			
		manufactured by Pakistan cables , Newage Cables , Fast Cables or Eqv.			
		Cables or approved equivalent, as specified in wapda standerds to be laid			
		in prelaid trenched / in pre-laid conduits including cost of connections			
		conferming to general specification, complete in all respect as per			
		satisfaction of the Engineer Incharge.			
	Appendix ' c'	ii) 3 core 120 mm.sq. 15KV XLPE insulated un armoured cable from HT			
		Protection panel to Transformers			
		·····	150	Rft	
B.24		Heat Shrinkable Termination Kits			
		Suply at work, lying, testing, & commissioning of following HT out door &			
	Page No-71	Indoor heat shrinkable termination kits of Raychem /3-M/Cellpack for 3			
		core cables already laid under work Sr. No. 0.04 in the trenches including			
		cable glands etc and miscellaneous materials and installation as per			
		requirements, standard specifications, & to the approval of the consultant /			
		Engineer.			
		Outdoor type (for 120mm Sq)	1	Each	
		Indoor type (for 120mm Sq)	3	Each	
		Total "B"(Schedule items) C/o to Summary of Cost:			
1		Net Total (A+B)			
		HVAC WOKS			

HVAC WOKS

ltem No.	REF. Nos CH/ITEM	Description of Items	Qty	Unit	Rate (Rs.)	Amount (Rs.)
		NON SCHEDULE ITEM-B				
1		Supply & Installation of All DC Inverter Controlled Variable Refrigerant Flow (VRF) Heat Pump Type Multi Split A/c System complete with built-in Auto Control System & Central Controller System with display (Tablet) including unloading, Lifting, placing and Fixing at foundation at locations shown on drawing including testing & commissioning, make Zero, Rivast, Sj-Bush, Hechen, Delpro (UK)				
	a)	Outdoor Condensing Units				
	~,	POU-1	9	No.		
		POU-2	4	No.		
		POU-3	2	No.		
		POU-4	1	No.		
		POU-5	2	No.		
		POU-6	1	No.		
		POU-7	2	No.		
		POU-8	1	No.		
		POU-9	2	No.		
	b)	Indoor Units				
		Wall Mounted Type Indoor Units				
		IDU-1	8	Nos.		
		IDU-2	125	Nos.		
		IDU-3	155	Nos.		
		IDU-4	67	Nos.		
2		Supply and Installation of Gas & Liquid Copper Piping & Fittings Complete with 19mm thick Elastomeric Closed Cell nitrile rubber foam insulation protected with PVC Tape, clamps/hangers/supports and all other related material for installation purpose complete in all respect as specified.				
			4007			
		Ø 1/2"	4337	Rft		
		Ø 1/4"	2309	Rft		
		Ø 3/8"	5904	Rft		
		Ø 5/8"	5676 2092	Rft		
		Ø 3/4"	2092	Rft		

		Ø 7/8"	378	Rft	
		Ø 1"	120	Rft	
		Ø 1-1/8"	2490	Rft	
		Ø 1-3/8"	1329	Rft	
		Ø 1-5/8"	529	Rft	
		Ø 2-1/8"	85	Rft	
	Note:	The Refrigerant pipe sizes as shown in drawing are indicative only.			
		Pipe sizes may be vary brand to brand therefore the equipment			
		supplier is responsible to verify the pipe sizing detail as given in			
		drawings attached in accordance with their selected models of euipment being offered.			
3		Supply, Fabrication & installation of Refrigerant Distributer (Y-Type) Pipe Joints at locations recommended by manufacturer	1	Lot	
4		Supply & installation of 12" wide G.I Sheet Construction Pipe Tray with top			
		covering required to install refrigerant pipes running at exposed roof	758	Rft	
5		Supply, fabrication and installation of PVC. piping & fittings, including			
		hangers, anchor bolts, 6mm thick close cell foam insulation protected with			
		PVC tape etc.	7055	D#	
		Dia 0.75 Inch	2565	Rft	
		Dia 1.0 Inch	3233	Rft	
	-	Dia 1.25 Inch	536	Rft	
		Dia 1.5 Inch	536	Rft	
6		Supply & installation of HVAC related Electrical works as specified and as shown on the drawings complete with			
	a)	Electrical Panels			
		ACP-1	1	No	
		ACP-2	1	No	
	b)	Conduiting and wiring onward from ACP panels to HVAC equipment including control wiring	1	Lot	
	c)	Conduiting and wiring onward from outdoor condensing unit to indoor units including control wiring	1	Lot	
7		Painting of metal hangers and metal structures where installed as specified	1	Job	
8	1	Shop drawings and As-built drawings	1	Job	
9		Related Civil works including wall / slab cutting, patching, plastering etc. and construction of equipment foundations	1	Job	
10		Inspection, testing, Gas Charging and Commissioning of Complete system	1	Job	
		Total "B"(Schedule items) C/o to Summary of Cost:		· · ·	

SUMMARY OF COST

CONSTRUCTION OF NEW FACULTY BUILDING (NO.2) AT BJ CAMPUS, IUB

NEW FACULTY BUILDING

ENGINEER'S COST ESTIMATE

S/N	DESCRIPTION	AMOUNT (Rs.)
A	SCHEDULED ITEMS	
1	CIVIL WORK	
2	INTERNAL PUBLIC HEALTH WORK	
3	EXTERNAL PUBLIC HEALTH WORK	
4	ELECTRICAL WORK	
	Sub Total (A) :	
	SCHEDULE ITEMS 430,837,460 /- X% ABOVE /BELOW:	
	Net Total (A) :	
В	NON-SCHEDULED ITEMS	
1	CIVIL WORK	
2	INTERNAL PUBLIC HEALTH WORK	
3	EXTERNAL PUBLIC HEALTH WORK	
4	ELECTRICAL WORK	
5	HVAC WORK	
	Sub Total (B) :	
	TOTAL (A+B) :	

CONSTRUCTION OF NEW FACULTY BUILDING (NO.2) AT BJ CAMPUS, IUB NEW FACULTY BUILDING ENGINEER'S COST ESTIMATE CIVIL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Qty	Unit	Rate (Rs.)	Amount (Rs.)
MRS,	1st BI-ANNU	AL-2021 (1st JANUARY-2021 to 30th JUNE -2021) DISTRICT BAHAWAL	PUR			
		SCHEDULE ITEMS-A				
		Earth Work				
1	CH:3 item 47(a) P-33	Jungle clearance and removing within 100 ft. (30 m).a) light	74,000.00	1000 Sft		
2	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.	317,563.31	1000 Cft		

3	CH:3 item	Filling, watering and ramming earth under floors:				
	15 P-29					
3.1	CH:3 item 15(i)	i) with surplus earth from foundation, etc.				
3.2	P-29 CH:3 item	Earthwork excavation in ashes, sand and soft soil or silt clearance,	211,708.88	1000 Cft		
	2+17 (a,b &c)	undressed lead upto 2 km (2000 metre).				
3.3	P-27 + 29 CH:3 item	Compaction of earthwork with power road roller, including ploughing,	621,600.00	1000 Cft		
5.5	25	mixing, moistening earth to optimum moisture) content in layers, etc.				
	(i) P-30	complete: i) 95% to 100% maximum modified AASHO dry density.	248,708.88	1000 Cft		
4	CH:25 item	Anti-Termite Spraying anti-termite liquid mixed with water in the ratio of 1:40.				
	42 P-164		299,411.44	100 Sft		
	-	Plain and Reinforement Concrete	200,1111	100 011		
5	CH:6 item 5 P-42	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):-				
5.1	(i)	Ratio 1: 4: 8	25,680.65	100 Cft		
5.2 6	(f) CH:6 item 6	Ratio 1: 2: 4 Providing and laying reinforced cement concrete (including prestressed	24,089.69	100 Cft		
0	P-42	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.):-				
6.1	(a)(ii)	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than				
		those mentioned in i) above not requiring form work (i.e. horizental shuttering) complete in all respects:-				
6.1.1	(2)	Foundation Type B (nominal mix 1: 1½: 3)	90,758.11	Per Cft		
6.2	(2) (a)(i)	Reinforced cement concrete slabs, beams, girders, Lintels and other	50,750.11			
		structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects;-				
6.2.1	(a)(i)(2)	GROUND FLOOR Type B (nominal mix 1: 11/2: 3)	118,788.72	Per Cft		
6.2.2		FIRST FLOOR Type B (nominal mix 1: 1½: 3)	75,528.35	Per Cft		
		MUMTY	,			
6.2.3	(a)(i)(2)+(dx2)	Type B (nominal mix 1: 1½: 3) Carriage	6,914.72	Per Cft		
7	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				
		(Lead 366 kms From Sargodha (or approved quarry) to site of work)				
			75,996.03	100 Cft		
8	CH:6 item 9	Steel Reinforcement Fabrication of mild steel reinforcement for cement concrete, including				
	(c) P-44	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)	1,225,380.44	100Kg		
9	CH:6 item	Providing and laying damp proof course of cement concrete 1:2: 4(using cement, sand and shingle),	.,,			
	33 (b)(i) P-47	b) with 2 coats of bitumen :-	400.00	100.05		
10	CH:6 item	i) 1½" thick (40 mm) Providing and fixing 1/8" (3 mm) thick 3" (75 mm) wide aluminium strip on	189.20	100 Sft		
	25 P-46	horizontal and vertical expansion joints in walls, columns, ceilings and floors etc., including cost of clips/screws etc.,				
10.1	a)	complete in all respects:- On interior surface (without mastic strip)	722.40	Per/Rft		
10.2	b)	On exterior surface (with mastic strip)	729.23	Per/Rft		
11	CH:6 item 32 (b)	Providing and fixing thermopore (foamed polythene) sheet in horizontal and vertical expansion joints:				
11.1	P-47	b) 1½" (40 mm) thick thermopore sheet	9,941.40	Per/Sft		
12	CH:6 item 12	Providing and fixing ornamental cement jali 2" (50 mm) thick				
	P-44		3,402.00	Per Sft		
13		Brick Work Pacca brick work in foundation and plinth in:-Cement, sand mortar:-Ratio				
14	(i) P-51 CH:7 item 4	1:6 Pacca brick work in foundation and plinth in:-Cement, sand mortar:-Ratio	20,162.26	100 Cft	<u> </u>	
<u> </u>	(i) P-51	1:4 GROUND FLOOR	2,175.76	100 Cft		
15	CH:7 item 5 (i) P-52	Pacca brick work in ground filoor :- Cement, sand mortar:-Ratio 1:6	71,374.26	100 Cft		
16	CH:7 item 5	Pacca brick work in ground floor :-				
E	(i) P-52	Cement, sand mortar:-Ratio 1:4 FIRST FLOOR	2,049.86	100 Cft		
17		Pacca brick work in first floor:- Cement, sand mortar:-Ratio 1:6				
18	52	Pacca brick work in first floor :-	78,428.87	100 Cft		
	(i) P-52	Cement, sand mortar:-Ratio 1:4 MUMTY	2,049.86	100 Cft		
19		Pacca brick work in second floor:-				-
	(i) & 6 (ii) P- 52		2,416.05	100 Cft		
20	Ch-7 item 9 P-53	Extra labour for arch work in brick masonry, including labour for centring and decentring.	140.96	100 Cft		
21	Ch-7 item 13 P-53	Extra for face work (half brick thick) using special bricks instead of first class bricks.				
<u> </u>		Flooring	16,637.37	100 Cft		
L	l	riounny		1	1 1	

22	Ch-7 item 30	Supplying and filling sand under floor; or plugging in wells			
22	P-56	supprying and mining sails and in the nosi, or plugging in weils	25,727.39	100 Cft	
23	Ch-10 item 3 P-66	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	44,235.08	100.0#	
24	Ch-10 item	respects Providing and laying floor of mosaic marble chips tiles 1"(25 mm) thick of	44,235.06	100 Cft	
	23 P-68	approved quality and shade, laid in white cement and pigment, over ¾"(20 mm) thick bedding of cement sand mortar 1:2, including finishing and polishing, complete.	2,973.60	100 Sft	
25	Ch-10 item 35 (b)	Tile skirting laid in 1:2 cement mortar, over ³ /4"(20 mm) thick cement mortar, 1:2 including cement washing and filling joints complete:-	226.90	100.05	
26	P-69 Ch-10 item	(b) mosaic tiles Providing and fixing marble strip of any shade for dividing the mosaic	226.80	100 Sft	
	42 (a) P-70	flooring into panels a) Size 1½" x 3/8" (40 x 10 mm)	1,873.37	Per Rft	
27	Ch-10 item 43 (a) P-70	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) a) 50-mm thick	7,875.00	P.Sft	
28		Surface Rendring Cement plaster ratio 1:3 under soffit of RCC roof slabs only , upto 20' height. 3/8" (10 mm) thick. (ceiling plaster)	79,178.73	100 Sft	
29		Cement plaster 1:4 on internal walls upto 20' (6 m) height, 1/2" (13 mm)			
30	(b) P-72 Ch-11 item 9	thick. Cement plaster 1:4 on external walls upto 20' (6 m) height, 3/4" (20 mm)	349,822.91	100 Sft	
31	(c) P-72	thick. Cement plaster 1:4 on external walls upto 30' (9 m) height, 3/4" (20 mm)	17,668.35	100 Sft	
	(c) & 28 P- 72-74	thick.	3,788.40	100 Sft	
32	(c) & (28x2)	Cement plaster 1:4 on external walls upto 40' (12 m) height, 3/4" (20 mm) thick.			
	P-72-74		14,165.55	100 Sft	
33	Ch-12 item 18 (iii) P-78	Wood Work Providing and fixing sliding bolt to doors:- iii) brass sliding bolt, 10" (250 mm) long	416.00	Each	
		Painting and Warnishing			
34	Ch-13 item 31 (a)+(bx2) P-89	Preparing surface and painting with emulsion paint:- 3 Coats New Surface	456,830.79	100 Sft	
35		Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:- 2 Coats New Surface	37,403.42	100 Sft	
36	Ch-13 item 7 P-87	French polishing complete:-			
		Roofing & Water Proofing	24,351.60	100 Sft	
37	Ch-9 item 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			
00	Ob 0 item 5		82,692.88	100 Sft	
38	P-60	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	
39	Ch-9 item 15 P-62	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm).	02,092.00	100 Sit	
40	-	Bottom Khuras of brick masonry in cement mortar 1:6, 4'x2'x41/2"	52.00	Each	
	P-62	(1200x600x113 mm) over 3" (75 mm) cement concrete 1:4:8.	52.00	Each	
		Total "A"(Schedule items) C/o to Summary of Cost:			
		NON SCHEDULE ITEMS-B			
		Flooring			
1	N.S	Excavation Upto any Depth Structural excavation in any kind of soil above / below water level for			
		levelling and grading of building, for raft / foundations and other structures upto any depth, and disposal of unsuitable / surplus excavated material outside the project premises at any lead, including restoration of any damages during excavation is the responsibility of contractor complete in all respects as per Specifications and as per approval of The Engineer.			
2	N.S	Providing and laying structural pad of granular fill material mixture of 50%	216,657.10	Per/Cft	
		sand and 50% crushed stones compacted to 95% maximum modified "AASHO" dry density i/c carriage of all materials at site complete in all respect as approved by The Engineer. Flooring	62,567.66	Per/Cft	
3	N.S	Providing and laying Porcelain tiles flooring (full body) 16" x 16" Master, or approved equivalent laid over 3/4" thick cement sand mortar (1:3) including setting the tiles with Bond (Stile, or approved equivalent) i/c filling joints with Grout (Stile, or approved equivalent) of matching color i/c cutting, leveling, washing and curing complete in all respect as per Specifications, and as per sample approved by The Engineer. (Imperial (IMPG) Dark Color Polished SB)	99,042.64	Per/Sft	
4	N.S	Providing and laying Granite tiles flooring (full body) 24" x 24" Master, or approved equivalent laid over 3/4" thick cement sand mortar (1:3) including setting the tiles with Bond (Stile, or approved equivalent) i/c filling joints with Grout (Stile, or approved equivalent) of matching color i/c cutting, leveling, washing and curing complete in all respect as per Specifications, and as per sample approved by The Engineer. (Granite with dry/wet/venied application,DWV series Polished (Light color)class			
		SB)	42,400.97	Per/Sft	

		Skirting / Dado			
5	N.S	Providing and laying Porcelain tiles flooring (full body) 16" x 4" Master, or approved equivalent laid over pre-plastered surface including setting the tiles with Bond (Stile, or approved equivalent) i/c filling joints with Grout (Stile, or approved equivalent) of matching color i/c cutting, leveling, washing and curing complete in all respect as per Specifications, and as per sample approved by The Engineer. (Imperial (IMPG) Dark Color			
6	N.S	Polished SB) Providing and laying Granite tiles flooring (full body) 24" x 4" Master, or approved equivalent laid over pre-plastered surface including setting the tiles with Bond (Stile, or approved equivalent) i/c filling joints with Grout (Stile, or approved equivalent) of matching color i/c cutting, leveling,	35,118.83	Per/Sft	
		washing and curing complete in all respect as per Specifications, and as per sample approved by The Engineer. (Granite with dry/wet/venied application,DWV series Polished (Light color)class SB) Windows Sill	2,767.83	Per/Sft	
7	N.S	Providing and fixing 3/4" thick Pre-polished Granite Marble Slab uniform texture full width and length laid over 3/4" thick cement sand mortar (1:3) including setting the tiles with Bond (Stile, or approved equivalent) i/c filling joints with Grout (Stile, or approved equivalent) of matching color i/c cutting, leveling, washing, curing and beveling charges on exposed edges complete in all respect as per Specifications, and as per sample approved by The Engineer.	2,349.90	Per/Sft	
8	N.S	Entrance Steps / Podium Providing and fixing 3/4" thick pre-polished Granite Marble Slab uniform texture full width laid over 3/4" thick cement sand mortar (1:3) including setting the tiles with Bond (Stile, or approved equivalent) i/c filling joints with Grout (Stile, or approved equivalent) of matching color i/c cutting, leveling, washing, curing and beveling charges on exposed edges complete in all respect as per Specifications, and as per sample approved by The Engineer. Stair Steps	1,228.50	Per/Sft	
9	N.S	Providing and laying Pre-polished Black Granite (supreme quality) slabs laid over 3/4" thick cement sand mortar (1:3) including setting the tiles with Bond (Stile, or approved equivalent) i/c filling joints and washing the tiles with Grout (Stile, or approved equivalent) of matching color i/c cutting, leveling, washing, curing and beveling charges on exposed edges, i/c anit- slip treads with carborundum powder and silicon mixture in thee rows complete in all respect as per Specifications, and as per sample approved by The Engineer.			
9.1	a)	3/4" thick Pre-polished Black Granite (supreme quality) one-piece slab of length and width as shown on drawings, rounded smooth of stairs and	0.000.40		
9.2	b)	entrance steps. 3/4" thick Pre-polished Black Granite (supreme quality) slabs of length and height as shown on drawings, over risers of stairs and entrance steps.	2,629.46	Per/Sft Per/Sft	
10	NG	Laminated Wooden Flooring Providing and laying, jointing etc. Laminated Wooden Floor			
10	N.S	 (200mmX1200mmx8mm) (Malaysian, turkey or approved equivalent) of approved color and shade at floor i/c the cost of jumbo lawn, Nail, edging & Fixing etc. as approved by The Engineer, complete in all respects. 	3,939.60	Per/Sft	
11	N.S	Providing and laying, jointing etc. Laminated Wooden Floor (200mmX1200mmx8mm) (Malaysian, turkey or approved equivalent) of approved color and shade at floor i/c the cost of jumbo lawn, Nail, edging & Fixing etc. as approved by The Engineer, complete in all respects.Dado/ Skirting	846.30	Per/Rft	
12	N.S	Vanity / Kitchen Counter Top Providing and fixing 3/4" thick pre-polished Black Granite one-piece marble slabs Kitchen / Vanity Counter etc; laid over 3/4" thick cement sand mortar (1:3) including setting the tiles with Bond (Stile, or approved equivalent) i/c filling joints and washing the tiles with Grout (Stile, or approved equivalent) of matching color i/c cutting, leveling, washing, curing and beveling charges on exposed edges complete in all respect as per Specifications, and as per sample approved by The Engineer.	697.20	Per/Sft	
13	N.S	Miscellenious Providing and fixing 1-1/2" Oak Wood Door shutter (Red Oak-859 imported) With Oak wood architraves on both sides, including polishing with lacquer polish (including preparation of surface, applying priming coat, rubbing etc.); or approved equal; all rough and finished hardware complete in all respects as per drawings and Specifications, including handles, tower bolt 18" (A/B Heavy) etc., as per sample approved by The Engineer	12,175.80	Per/Sft	
14	N.S	Engineer. Providing and fixing uPVC Door, including PVC door frame, with hinges, latch lock, tower bolt, handle & hardware manufactured by ("FRAMEZ, ZEALCON" or approved equivalent) complete in all respects, and as per sample approved by The Engineer.	1,176.00	Per/Sit	
15	N.S	Providing and fixing imported Handle Locks with 3 keys, to wooden doors (Hungry" or approved equivalent) complete in all respects, and as per	.,	. short	
16	N.S	sample approved by The Engineer. Providing and fixing M.S. Sheet hollow pressed 'frame of doors,	416.00	Per/Sft	
17	N.S	 '(Chowkhat only) of 16 SWG welded / supported with M.S. flat 1-1/4"x1/8" (7-Nos.) i/c screwed 4" (100mm) long iron hinges including fitting chowkhat with cement sand mortar 1:8 and embedding hold fast in cement concrete 1:2:4 complete in all respects, as approved and directed by The Engineer. Providing and fixing M.S grill consisting of 1" x 1", 16-SWG M.S square pipe frame with 2 rows of horizontally & equal dividing panels vertically in 	2,785.65	Per/Sft	
		pipe frame with 2 rows of horizontally & equal dividing panels vertically in the same frame and 1/2" M.S square bars 5" c/c welded to each an other & frame horizontally with 2 rows of equal dividing in three panels vertically as per approved drawing and design in windows i/c hold fast, grouting hold fast in cement concrete (1:2:4) and enamel painting 3-coats with one base coat of red oxide paint complete in all respect as approved and directed by The Engineer.	11,491.20	Per/Sft	
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16 N.5 Preventing and sings all types of disclosing glutce atomic methods of using function of approved call part (based and part) data and grut (based and part						
Image: channel in port and interported in an interported in an interport of main the second of main the	18	N.S	ventilator of approved colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x 25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, (5 mm + 8 mm AGU+ 5 mm) imported tinted glass with			
18 N.S. Providing and thong statistics: steel non-magnetic rating consisting of main by 2 ⁻¹ of 6 6900 ⁻¹ (12 ⁻¹ or ¹ weils and 10 ⁻¹ bins. 24e statistics and state steel states and the states of the states o			• • • • • • • • • • • • • • • • • • •			
a bple 2* dit 5 WG imported (Cham) 8.1 fleght basis/rates gif 2* CC b<	10	NO	Draviding and fiving stainlass steel non magnetic rolling consisting of main	11,491.20	Per/Sft	
20 N.S. Providing and fung Kitchen Cabinets comprising of 24.º Thick MDF built with kall wood frame (\$2.º*)* and best quality hardware's (handles, loss, latches, impact & screw acc), built beaker wood particip (127:34.°) babout, as abrown on drawing complete in all respects as por sample approved by The Engineer. (Food Wounded Cabinet) tabout, as abrown on drawing complete in all respects as por sample approved by The Engineer. (Food Wounded Cabinet) (handles, lock, latches, impact from Status of approved colur and result of the screw acc), built decider wood particip (handles, lock, latches, lamps & screw acc), built decider wood inpiprint (127:34.°) and polishing / remain painting, termine profile medicing all type of labour, as shown on drawing complete in all respects and provide the screw acc), built decider wood inpiprint (127:34.°) and polishing / remains built and the profile medicing all type of labour, as shown on drawing complete in all respects as por statistication with 0 mm thinses with allowing mile to the back of the finde on imported CKM trees and Filtings and supported with local as providing and fining (Boroshing Hardware) (brinnes or spectro with Manuae Cabinet) 134.400 Pervisit 23 N.S. Providing and fining Boroshing hardware back of the finde on imported CKM trees and Filting and supported with local anging system and lancecessness by the filting (423:03.40) Pervisit 24 N.S. Providing and fining Boroshing filting (127:34.°) of approved dup labour, as shown on drawing complete in all respect as approved by the Engineer. 6.075.30 Pervisit 24 N.S. Providing and fining Boroshing filting stresset, and dup provid allob and and prefilting (100, complet	19	N.5	pipe 2" dia 16 SWG imported (China) & 3' height balustrades @ 2' C/C consisting of 1-1/2" to 2" wide and 3/16" thick 2-No stainless steel strips with studs i/c 3/4" dia 16 SWG 3-No stainless steel pipes longitudinally passing in between the strips of balustrades i/c bends, base plate etc with Bottom stainless steel "tiki" & cover, fixing with rowal bolt (3" to 2½" long) i/c steel polishing etc complete in all respect as approved by the Engineer	640.50	Per/Rft	
u Issues with kall wood fame (3x11) and best quality hordware's (handless, lock, latches, includes, latches, latches	20	N.S	Providing and fixing Kitchen Cabinets comprising of 3/4" thick MDF			
21 N.S. Providing and fixing Kitchen Cabinets comprising of 344 thick MDF interview including 34* (20 mm) hick Vin Board Sheet boxing and hard board to back the including 34* (20 mm) hick Vin Board Sheet boxing and hard board in texture including 34* (20 mm) hick Vin Board Sheet boxing and hard board in the back does any and pointing 4 manual parking. Leminate providing and pointing 4 manual parking. Leminate providing and Parking Gypaum board 24*324* fisse ceiling make DTB or Approved Equivalent Win Horm Interves Win aluminom foil on the back of the back do in monted CAN lees and Fittings and supported the local angle with Ci Cal Gage at apportance advisor with and foil on the back of the back do in monted CAN lees and Fittings and supported the local angle with Ci Cal Gage at apportance distance it cool of hoods, clange, angle with Ci Cal Gage at apportance distance it cool of hoods, clange, angle with Ci Cal Gage at apportance by Chemes at the alumported and angle with Ci Cal Gage at apportance by Chemes at the alumported and angle as per statestimation of the Engineer. 54:356.40 PenrSt 23 N.S. Providing and Fitting Compute disport and hanging system and all accessories by Chemes or approved equivalent) and as per statestimation. Including at strategring and to egg at the fitting as the statestimation or discuss gere sample approved by the Engineer. 54:356.40 PenrSt 24 N.S. Providing and Fitting Stopen to clause the lengthe tiles with Board fitting and edge timming to supports for light things and supported by the lengthe tiles with Board (Stells, or approved equivalent), sc fitting just with Grout Gills, even single and supported by the Engineer. 982.80 PenrSt Enrore Call approved by The Engineer.			texture with kail wood frame (3"x1") and best quality hardware's (handles, locks, latches, Hinges & screws etc.) with deodar wood lipping(1/2"x3/4") and polishing / enamel painting, termite proofing including all type of labour, as shown on drawings complete in all respects as per sample	184 80	Per/Sft	
isoture including %" (2 mm) thick Vin Board Sheet boxing and hard board for back with kind word frame (3 x*1) and basic quality hardware's including all type of labour, as shown on drawings complete in all respects as port sample approved by The Engineer. 134.40 PeriSit 22 N.S. Approved Equivalent with 10mm threes with all animum fot on the back, of the fixed on imported CNM Tess and Fittings and supported with local and perived. 11 EG Guage at approved support and as per sample sing for the Guage at approved support and sep results and the Guage at approved support and as per sample sing by The Engineer. 134.40 PeriSit 23 N.S. Providing and Fixing Ospaum board 24/32/41 bits colling with local and sper Sample sing by The Engineer. 134.40 PeriSit 23 N.S. Providing and Fixing Decomptive Ospaum Board False-Celling (4/2 x3/3/2) of approved Equivalent bit forms of sample condition and sing constrained support and and reg per Specifications, as shown on drawing compred support and and reg per Specifications, as shown on drawing compred support and and regeored by The Engineer. 96.075.30 Per/Sit 24 N.S. Providing and Fixing Decomptive diptive bit fixing, diffuser set, and for making opponed, scamptive diptive bit fixing, admixer set, and for making approved equivalent) of matching color in the More Control with fixing and and respect as perived equivalent bit fixing at an hight in the Gaut Site of and shade laid over pre-plastered surface including setting the fixing at an hight in the Gaut Site of and shade laid over pre-plastered surface including setting the Gaut Site of and shade lai	21	N.S	Providing and fixing Kitchen Cabinets comprising of 3/4" thick MDF	101.00	1 60/010	
Image: Note of the set of the se			texture including ¾" (20 mm) thick Vin Board Sheet boxing and hard board for back with kail wood frame (3"x1") and best quality hardware's (handles, locks, latches, Hinges & screws etc.) with deodar wood lipping(1/2"x3/4") and polishing / enamel painting, termite proofing including all type of labour, as shown on drawings complete in all respects			
Approved Equivalent with 10mm thiness with aluminum foil on the back of the fixed on imported CXM these and Fittings and supported with local angle with G.116 Guage at appropriate distance loc cost 0 hooks, clamps, carriage and labour charges at any height et complete in all repect and as per statistication of The Engineer. Including approved support and hanging system and all accessines by (Theme or approved equivalent) and as per Specifications, as shown on drawing complete in all respect any per Marufacturer's instructions, including all strengthening and edge timming for supports for light fittings, diffusers etc., and for making openings. complete including diffusers etc., and for making openings. complete including diffusers etc., and for making openings. complete including strengthening and edge timming for supports for light fittings, diffusers etc., and for making openings. complete including the strengthening and edge timming to supports of light fittings, diffusers etc., and for making openings. complete including in the strengthening and edge timming to support equivalent) to filling points with Foru (Bits, with Bond (Site, or approved equivalent) to filling points with Foru (Bits, or approved equivalent) of matching clore to the cutting, leveling, washing. 25 N.S Providing and Fixing Altone three fills of the approved by The Engineer. 982.80 Per/Sit 26 N.S Providing and Pixing Oktown Werk Meh (12* Wide) for horizontal and vertical joints of massing with brick masony wall, 3-42 @ every 4th horizontal and vertical spacing in cavity wall of any description in any floor at any height, and make joint Work concrete and brick with 6 diffit points in R.C.C columns tying with bick masony wall, 3-42 @ every 4th horizontal and approved by The Engineer. 330.75 Per/Sit				134.40	Per/Sft	
a of approved design by The Engineer, including approved support and hanging system and all accessories by (Theme or approved equivalent) and as per Specifications, as shown on drawing complete in all respect as per Mandreure's instructions, including all strengthening and deget trimming for supports for light fittings, diffusers etc., and for making approved by The Engineer. Per/Sit 24 N.S Providing and fitting Store Texture Tile on facing of approved size color and shade lad over pre-plastered surface including setting the tiles with Bond (Stile, or approved equivalent) of matching color in cutting, leveling, washing, curing and cost of scaffolding fixing at any height in any floor, complete in columns, as approved by The Engineer. 982.80 Per/Sit 25 N.S Providing and Fixing Chicken Wire Mesh (12" Wide) for horizontal and vertical pionts of masony and concrete with hails and screws ic all cost of labour and material complete in all respects, as approved by The Engineer. 982.80 Per/Sit 26 N.S Providing and laying wall lies (anchor bars) 2/8°dia placed at horizontal and vertical spacing in cavity wall of any description in any floor at any height, and make joint biv worker det mills have and baset in all respects as approved by The Engineer. 982.80 Per/Sit 27 N.S Providing and fixing Stel Lockers 2' deep consisting of M.S angle iron if x1'x 1'X With M.S sheet of 20-SiV for ton stutut, loo, bitch, work ic/ diffix hole in all respect as a shown in drawings and approved by The Engineer. 330.75 Per/Sit 28 N.S Supply: provide	22	N.S	Approved Equivalent with 10mm thinness with aluminum foil on the back of tile fixed on imported CKM Tees and Fittings and supported with local angle with G.I 16 Guage at appropriate distance i/c cost of hooks, clamps, carriage and labour charges at any height etc complete in all repect and	54,356.40	Per/Sft	
24 N.S Providing and fixing Stone Texture Tite on facing of approved size color and shade laid over pre-plastered surface including setting the tiles with Bond (Stile, or approved equivalent) to filling joins with Grout (Stile, or approved equivalent) to filling joins with Grout (Stile, or approved equivalent) to filling joins with Grout (Stile, or approved equivalent) to filling joins with Grout (Stile, or approved equivalent) to filling joins with Grout (Stile, or approved equivalent) to filling joins with Grout (Stile, or approved equivalent) to filling joins with Grout (Stile, or approved equivalent) to filling joins with Grout (Stile, or approved equivalent) to filling joins with Grout (Stile, or approved equivalent) to filling joins with Grout (Stile, or approved equivalent) to filling hole in any floor, complete in all respects, as approved by The Engineer. 982.80 Per/Sti 25 N.S Providing and laying wall ties (anchor bars) 2/8*dia placed at horizontal and vertical spacing in cavity wall of any description in any floor at any height, and make joint bw concrete and brick work (v difiling hole in a response) and vertical course complete in all respects as shown in drawings and approved by The Engineer. 22850.10 Each 27 N.S Providing and fixing Stel Lockers 2' deep consisting of M.S angle iron 1'x 1'x 1/8' with M.S sheet of 20-SWG front shutter, top, bottom, left, right & back and best quality hardware's (funchese, Hinge & Screws etc.) / ic welding charges with 3-coat of harmer paint, complete in all respect as approved by The Engineer. 230.75 Per/Sti 28 Supply, provide and fix in position uPVC rain water down pipe lines conforming to ISO 3603:1991 and B3 3505 1968 (wall thickness 3.2mm	23	N.S	of approved design by The Engineer, including approved support and hanging system and all accessories by (Thermec or approved equivalent) and as per Specifications, as shown on drawing complete in all respect as per Manufacturer's instructions, including all strengthening and edge trimming for supports for light fittings, diffusers etc., and for making openings, complete including cleaning and finishing, as per sample	6 075 30	Por/Sft	
25 N.S Providing and Fixing Chicken Wire Mesh (12" Wide) for horizontal and vertical joints of masonry and concrete with nails and screws i/c all cost of labour and material complete in all respects, as approved by The Engineer. 35,837.55 Per/Rft 26 N.S Providing and laying wall ties (anchor bars) 2/8"dia placed at horizontal and vertical spacing in cavity wall of any description in any fhoor at any height, and make joint bix concrete and brick work i/c drilling hole in R. C.C columns tying with brick masonry wall , 3-#2 @ every 4th horizontal and vertical course complete in all respects as shown in drawings and approved by The Engineer. 22850.10 Each 27 N.S Providing and fixing Steet Lockers 2' deep consisting of M.S angle iron frame 1" x 1" x 1/8" with leaf frame of M.S angle iron 1" x 1" x 1/8" with M.S sheet of 20-SWG front shutter, top, bottom, left, right & back and best welding charges with 3-coat of hammer paint, complete in all respect as approved by The Engineer. 330.75 Per/Sft 28 N.S Supply, provide and fix in position uPVC rain water down pipe lines conforming to ISO 3633:1991 and BS 3505 1968 (wall thickness 3.2mm) including proper joints complete in all respects, and system leak-free: 1.411.20 Per/Rft 29 N.S Provide and fix uPVC plain bends with grating (as rain water inlets at roof), water tight connection leak-free: 52.00 Each 30 N.S Provide and fix uPVC shoe bends (as rain water outlets), water tight connection leak-free 52.00 Each <td>24</td> <td>N.S</td> <td>Providing and fixing Stone Texture Tile on facing of approved size color and shade laid over pre-plastered surface including setting the tiles with Bond (Stile, or approved equivalent) i/c filling joints with Grout (Stile, or approved equivalent) of matching color i/c cutting, leveling, washing, curing and cost of scaffolding fixing at any height in any floor, complete in</td> <td></td> <td></td> <td></td>	24	N.S	Providing and fixing Stone Texture Tile on facing of approved size color and shade laid over pre-plastered surface including setting the tiles with Bond (Stile, or approved equivalent) i/c filling joints with Grout (Stile, or approved equivalent) of matching color i/c cutting, leveling, washing, curing and cost of scaffolding fixing at any height in any floor, complete in			
26 N.S Providing and laying wall ties (anchor bars) 2/8"dia placed at horizontal and vertical spacing in cavity wall of any description in any floor at any height, and make joint b/w concrete and brick work // colling hole in R.C.C columns tying with brick masonry wall , 3 #2 @ every 4th horizontal and vertical course complete in all respects as shown in drawings and approved by The Engineer. 22850.10 Each 27 N.S Providing and fixing Steel Lockers 2' deep consisting of M.S angle iron frame 1"x 1" x 18" with heaf frame of M.S angle iron 1"x 1" x 18" with heaf frame of M.S angle iron 1"x 1" x 118" with heaf frame of M.S angle iron 1"x 1" x 118" with heaf frame of X.S angle iron the engineer. 22850.10 Each 27 N.S Providing and fixing Steel Lockers 2' deep consisting of M.S angle iron 1"x 1" x 118" with M.S sheet of 20-SWC front shutter, top, bottom, left, right & back and best quality hardware's (handles, locks, latches, Hinges & screws etc.) i/c welding charges with 3-coat of hammer paint, complete in all respect as approved by The Engineer. 330.75 Per/Sft 28 N.S Supply, provide and fix in position uPVC rain water down pipe lines conforming to ISO 3633:1991 and BS 3505 1968 (wall thickness 3.2mm) including proper joints complete in all respects, and system leak-free: 1,411.20 Per/Rft 29 N.S Provide and fix uPVC plain bends with grating (as rain water inlets at roof), water tight connection leak-free: 52.00 Each 30 N.S Provide and fix uPVC shoe bends (as rain water outlets), water tight connec	25	N.S	vertical joints of masonry and concrete with nails and screws i/c all cost of labour and material complete in all respects, as approved by The			
27 N.S Providing and fixing Steel Lockers 2' deep consisting of M.S angle iron frame 1" x 1" x 1/8" with leaf frame of M.S angle iron 1" x 1" x 1/8" with M.S sheet of 20-SWG front shutter, top, bottom, left, right & back and best quality hardwar's (handles, locks, latches, Hinges & screws etc.) i/c welding charges with 3-coat of hammer paint, complete in all respect as approved by The Engineer. 330.75 Per/Sft 28 N.S Supply, provide and fix in position uPVC rain water down pipe lines conforming to ISO 3633:1991 and BS 3505 1968 (wall thickness 3.2mm) including proper joints complete in all respects, and system leak-free: 1,411.20 Per/Rft 29 N.S Provide and fix uPVC plain bends with grating (as rain water inlets at roof), water tight connection leak-free: 52.00 Each 30 N.S Provide and fix uPVC shoe bends (as rain water outlets), water tight connection leak-free 52.00 Each 4" dia 52.00 Each 30 N.S Provide and fix uPVC shoe bends (as rain water outlets), water tight connection leak-free 52.00 Each 4" dia 52.00 Each	26	N.S	Providing and laying wall ties (anchor bars) 2/8"dia placed at horizontal and vertical spacing in cavity wall of any description in any floor at any height, and make joint b/w concrete and brick work i/c drilling hole in R.C.C columns tying with brick masonry wall , 3-#2 @ every 4th horizontal and vertical course complete in all respects as shown in drawings and			
N.S Supply, provide and fix in position uPVC rain water down pipe lines conforming to ISO 3633:1991 and BS 3505 1968 (wall thickness 3.2mm) including proper joints complete in all respects, and system leak-free: Image: Conforming to ISO 3633:1991 and BS 3505 1968 (wall thickness 3.2mm) including proper joints complete in all respects, and system leak-free: 29 N.S Provide and fix uPVC plain bends with grating (as rain water inlets at roof), water tight connection leak-free: Image: Conforming to ISO 3633:1991 and BS 3505 1968 (wall thickness 3.2mm) including proper joints complete in all respects, and system leak-free: Image: Conforming to ISO 3633:1991 and BS 3505 1968 (wall thickness 3.2mm) water tight connection leak-free: Image: Conforming to ISO 3633:1991 and BS 3505 1968 (wall thickness 3.2mm) water tight connection leak-free: Image: Conforming to ISO 3633:1991 and BS 3505 1968 (wall thickness 3.2mm) water tight connection leak-free: Image: Conforming to ISO 3633:1991 and BS 3505 1968 (wall thickness 3.2mm) water tight connection leak-free: Image: Conforming to ISO 3633:1991 and BS 3505 1968 (wall thickness 3.2mm) water tight connection leak-free Image: Conforming to ISO 3633:1991 and BS 3505 (water tight connection leak-free Image: Conforming to ISO 3633:1991 and BS 3505 (water tight connection leak-free Image: Conforming to ISO 3633:1991 and BS 3505 (water tight connection leak-free Image: Conforming to ISO 3633:1991 and BS 3505 (water tight connection leak-free Image: Conforming to ISO 352.00 Image: Conforming to ISO 352.00 Image: Conforming to ISO 363:1991 and Image: Conforming to ISO 363 363 and the Image: Conforming to ISO 363 and the Image: Conforming to ISO 363 and t	27	N.S	Providing and fixing Steel Lockers 2' deep consisting of M.S angle iron frame 1" x 1" x 1/8" with leaf frame of M.S angle iron 1" x 1" x 1/8" with M.S sheet of 20-SWG front shutter, top, bottom, left, right & back and best quality hardware's (handles, locks, latches, Hinges & screws etc.) <i>i/c</i> welding charges with 3-coat of hammer paint, complete in all respect as			
29 N.S Provide and fix uPVC plain bends with grating (as rain water inlets at roof), water tight connection leak-free: Image: Connection leak-free 4" dia 52.00 Each 30 N.S Provide and fix uPVC shoe bends (as rain water outlets), water tight connection leak-free Image: Connection leak-free 4" dia 52.00 Each Image: Connection leak-free 4" dia 52.00 Each Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-fre	28	N.S	Supply, provide and fix in position uPVC rain water down pipe lines conforming to ISO 3633:1991 and BS 3505 1968 (wall thickness 3.2mm)	330.75	Pei/SI	
29 water tight connection leak-free: Image: Connection leak-free Image: Connection leak-free 30 N.S Provide and fix uPVC shoe bends (as rain water outlets), water tight connection leak-free Image: Connection leak-free Image: Connection leak-free 30 N.S Provide and fix uPVC shoe bends (as rain water outlets), water tight connection leak-free Image: Connection leak-free Image: Connection leak-free 4" dia 52.00 Each Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free Image: Connection leak-free <			4" dia	1,411.20	Per/Rft	
4" dia 52.00 Each 30 N.S Provide and fix uPVC shoe bends (as rain water outlets), water tight connection leak-free 52.00 Each 4" dia 52.00 Each Total "B"(Schedule items) C/o to Summary of Cost:	29	N.S				
30 connection leak-free 4" dia 52.00 Each Total "B"(Schedule items) C/o to Summary of Cost:				52.00	Each	
4" dia 52.00 Each Total "B"(Schedule items) C/o to Summary of Cost: Image: Cost items	30	N.S				
				52.00	Each	
					+	

INTERNAL PUBLIC HEALTH WORK

Item No.	REF. Nos CH/ITEM	Description of Items	Qty	Unit	Rate (Rs.)	Amount (Rs.)
MRS,	1st BI-ANNU	AL-2021 (1st JANUARY-2021 to 30th JUNE -2021) DISTRICT BAHAWAL	PUR			
		Schedule Items (A)				
		Plumbing Fixtures				
1	Ch 19 item 17/P-113	Providing and fixing, chromimum plated toilet paper holder	92	Each		
2		Providing and fixing, chromium plated towel rail:- i) 60 cm (24") long, and 2 cm (¾") dia	44	Each		
3		Providing and fitting:- iv) plastic shelf 60x13 cm (24"x5") with bracket and railing.	20	Each		

	19/P-114 Ch 19 item 15/P-113 A"(Schedule NS NS NS NS NS	thick, first quality. (For pedistal) Providing and fixing, chromium plated soap dish. e items) C/o to Summary of Cost: Non Schedule Items (B) Plumbing Fixtures Providing and fixing European type ceramics ware coupled water closet, white / light colour, including 3 gallons cistern, P/S trap, C.P tee stop cock with wall cups, connection pipes, "Porta or Approved Equivalent", hinged double bacolite seat and cover of best quality, all joints to services and drains, plugging and screwing as necessary to the structure and make good the same, complete in all respect as per specifications and drawings. Providing and fixing European type ceramics ware coupled water closet, white / light colour, including 3 gallons cistern, P/S trap, C.P tee stop cock with wall cups, connection pipes, "Porta or Approved Equivalent", hinged double bacolite seat and cover of best quality, all joints to services and drawings. Providing and fixing European type ceramics ware coupled water closet, white / light colour, including 3 gallons cistern, P/S trap, C.P tee stop cock with wall cups, connection pipes, "Porta or Approved Equivalent", hinged double bacolite seat and cover of best quality, all joints to services and drains, plugging and screwing as necessary to the structure and make good the same, complete in all respect as per specifications and drawings. (for Disable) Providing and fixing Asiatic/Orissa pattern glazed earthern ware W.C with integral foot rest, white / light colour, with 3 gallons low level flushing tank system, 1-1/2" dia, PVC (D-type) flush pipe, "P" or "S" trap best quality "Porta or Approved Equivalent" make, C.P tee stop cock with wall cups, "SONEX", "MASTER" painted M.S. wall brackets with nuts and bolts, complete in	20 84 52.00 8.00 32.00	Each Each Each Each Each	
Total "/ 1 2 3 4 5	15/P-113 A"(Schedule NS NS NS NS NS	Items) C/o to Summary of Cost: Non Schedule Items (B) Plumbing Fixtures Providing and fixing European type ceramics ware coupled water closet, white / light colour, including 3 gallons cistern, P/S trap, C.P tee stop cock with wall cups, connection pipes, "Porta or Approved Equivalent", hinged double bacolite seat and cover of best quality, all joints to services and drains, plugging and screwing as necessary to the structure and make good the same, complete in all respect as per specifications and drawings. Providing and fixing European type ceramics ware coupled water closet, white / light colour, including 3 gallons cistern, P/S trap, C.P tee stop cock with wall cups, connection pipes, "Porta or Approved Equivalent", hinged double bacolite seat and cover of best quality, all joints to services and drawings. (for Disate and cover of best quality, all joints to services and drawings. (for Disable) Providing and fixing Asiatic/Orissa pattern glazed earthern ware W.C with integral foot rest, white / light colour, with 3 gallons low level flushing tank system, 1-1/2" dia, PVC (D-type) flush pipe, "P" or "S" trap best quality "Portar or Approved Equivalent" make, C.P tee stop cock with wall cups, "SONEX", "MASTER" painted M.S. wall brackets with nuts and bolts, complete in all respect as per specifications and drawings. Providing and fixing wash hand basin vanity, white / light colour, C.P. tee stop cock with wall cups, "Porta or Approved Equivalent", waste couplien,	52.00	Each	
2 2 3 4 5	NS NS NS	Non Schedule Items (B) Plumbing Fixtures Providing and fixing European type ceramics ware coupled water closet, white / light colour, including 3 gallons cistern, P/S trap, C.P tee stop cock with wall cups, connection pipes, "Porta or Approved Equivalent", hinged double bacolite seat and cover of best quality, all joints to services and drawings. Providing and fixing European type ceramics ware coupled water closet, white / light colour, including 3 gallons cistern, P/S trap, C.P tee stop cock with wall cups, complete in all respect as per specifications and drawings. Providing and fixing European type ceramics ware coupled water closet, white / light colour, including 3 gallons cistern, P/S trap, C.P tee stop cock with wall cups, connection pipes, "Porta or Approved Equivalent", hinged double bacolite seat and cover of best quality, all joints to services and drawings, for Disable) Providing and fixing Asiatic/Orissa pattern glazed earthern ware W.C with integral foot rest, white / light colour, with 3 gallons low level flushing tank system, 1-1/2" dia, PVC (D-type) flush pipe, "P" or "S" trap best quality "Porta or Approved Equivalent" make, C.P tee stop cock with wall cups, "SONEX", "MASTER" painted M.S. wall brackets with nuts and bolts, complete in all respect as per specifications and drawings. Providing and fixing wash hand basin vanity, white / light colour, C.P. tee stop cock with wall cups, "Porta or Approved Equivalent", waste couplien, "Porta or Approved Equivalent", waste couplien, "Porta or Approved Equivalent", waste couplien, "Sonex", "MASTER" painted M.S. wall brackets with nuts and bolts, complete in all respect as per specifications and drawings.	8.00		
2 3 4 5	NS	Plumbing Fixtures Providing and fixing European type ceramics ware coupled water closet, white / light colour, including 3 gallons cistern, P/S trap, C.P tee stop cock with wall cups, connection pipes, "Porta or Approved Equivalent", hinged double bacolite seat and cover of best quality, all joints to services and drains, plugging and screwing as necessary to the structure and make good the same, complete in all respect as per specifications and drawings. Providing and fixing European type ceramics ware coupled water closet, white / light colour, including 3 gallons cistern, P/S trap, C.P tee stop cock with wall cups, connection pipes, "Porta or Approved Equivalent", hinged double bacolite seat and cover of best quality, all joints to services and drains, plugging and screwing as necessary to the structure and make good the same, complete in all respect as per specifications and drawings.(for Disable) Providing and fixing Asiatic/Orissa pattern glazed earthern ware W.C with integral foot rest, white / light colour, with 3 gallons low level flushing tank system, 1-1/2" dia, PVC (D-type) flush pipe, "P" or "S" trap best quality "Porta or Approved Equivalent" make, C.P tee stop cock with wall cups, "SONEX", "MASTER" painted M.S. wall brackets with nuts and bolts, complete in all respect as per specifications and drawings. Providing and fixing wash hand basin vanity, white / light colour, C.P. tee stop cock with wall cups, "Porta or Approved Equivalent", waste couplien, "Porta or Approved Equivalent", waste couplien, "Porta or Approved Equivalent", waste couplent, "waste couplien, "Porta or Approved Equivalent", waste couplent, "waste couplent,"	8.00		
2 3 4 5	NS	Providing and fixing European type ceramics ware coupled water closet, white / light colour, including 3 gallons cistern, P/S trap, C.P tee stop cock with wall cups, connection pipes, "Porta or Approved Equivalent", hinged double bacolite seat and cover of best quality, all joints to services and drains, plugging and screwing as necessary to the structure and make good the same, complete in all respect as per specifications and drawings. Providing and fixing European type ceramics ware coupled water closet, white / light colour, including 3 gallons cistern, P/S trap, C.P tee stop cock with wall cups, connection pipes, "Porta or Approved Equivalent", hinged double bacolite seat and cover of best quality, all joints to services and drains, plugging and screwing as necessary to the structure and make good the same, complete in all respect as per specifications and drains, plugging and screwing as necessary to the structure and make good the same, complete in all respect as per specifications and drawings.(for Disable) Providing and fixing Asiatic/Orissa pattern glazed earthern ware W.C with integral foot rest, white / light colour, with 3 gallons low level flushing tank system, 1-1/2" dia, PVC (D-type) flush pipe, "P" or "S" trap best quality "Porta or Approved Equivalent" make, C.P tee stop cock with wall cups, "SONEX", "MASTER" painted M.S. wall brackets with nuts and bolts, complete in all respect as per specifications and drawings.	8.00		
3 4 5	NS	Providing and fixing European type ceramics ware coupled water closet, white / light colour, including 3 gallons cistern, P/S trap, C.P tee stop cock with wall cups, connection pipes, "Porta or Approved Equivalent", hinged double bacolite seat and cover of best quality, all joints to services and drains, plugging and screwing as necessary to the structure and make good the same, complete in all respect as per specifications and drawings.(for Disable) Providing and fixing Asiatic/Orissa pattern glazed earthern ware W.C with integral foot rest, white / light colour, with 3 gallons low level flushing tank system, 1-1/2" dia, PVC (D-type) flush pipe, "P" or "S" trap best quality "Porta or Approved Equivalent" make, C.P tee stop cock with wall cups, "SONEX", "MASTER" painted M.S. wall brackets with nuts and bolts, complete in all respect as per specifications and drawings.	8.00		
3 4 5	NS	 white / light colour, including 3 gallons cistern, P/S trap, C.P tee stop cock with wall cups, connection pipes, "Porta or Approved Equivalent", hinged double bacolite seat and cover of best quality, all joints to services and drains, plugging and screwing as necessary to the structure and make good the same, complete in all respect as per specifications and drawings.(for Disable) Providing and fixing Asiatic/Orissa pattern glazed earthern ware W.C with integral foot rest, white / light colour, with 3 gallons low level flushing tank system, 1-1/2" dia, PVC (D-type) flush pipe, "P" or "S" trap best quality "Porta or Approved Equivalent" make, C.P tee stop cock with wall cups, "SONEX", "MASTER" painted M.S. wall brackets with nuts and bolts, complete in all respect as per specifications and drawings. Providing and fixing wash hand basin vanity, white / light colour, C.P. tee stop cock with wall cups, "Porta or Approved Equivalent," waste couplien, 		Each	
4	NS	integral foot rest, white / light colour, with 3 gallons low level flushing tank system, 1-1/2" dia, PVC (D-type) flush pipe, "P" or "S" trap best quality "Porta or Approved Equivalent" make, C.P tee stop cock with wall cups, "SONEX", "MASTER" painted M.S. wall brackets with nuts and bolts, complete in all respect as per specifications and drawings. Providing and fixing wash hand basin vanity, white / light colour, C.P. tee stop cock with wall cups, "Porta or Approved Equivalent", waste couplien,	32.00		
5		stop cock with wall cups, "Porta or Approved Equivalent", waste couplien,		Each	
	NS				
6	NO	connections to water lines, C.P. brass union, nuts, washers, C.P. grating including C.P. bottle trap etc.Complete in all respect as per specifications and drawings. Providing,Installing and fixing wash hand basin Padestal type "Porta or Approved Equivalent" with waste coupling ,cp nozzle & which includes but not limited to fixing, connection pipes, connections to water lines,C.P. brass union, nuts, washers, etc. complete in all respect as per properties of the provide and t	64.00	Each	
6		specifications and drawings and as directed by the Engineer.	12.00	Each	
	NS	Providing,Installing and fixing wash hand basin Padestal type "Porta or Approved Equivalent" with waste coupling ,cp nozzle & which includes but not limited to fixing, connection pipes, connections to water lines,C.P. brass union, nuts, washers, etc. complete in all respect as per specifications and drawings and as directed by the Engineer.(for Disable)			
7	NS	Providing and fixing stainless steel kitchen sink of 20 gauge of "Porta or	8.00	Each	
	NS	Approved Equivalent" including, brackets, screws,15 mm dia. C.P. brass T. stop cocks of Master, Sonix, 40 mm dia heavy duty waste coupling and PVC flexible waste pipe of approved make and quality complete all	8.00	Each	
8	NS	respects. Providing and fixing C.P. Muslim Shower with double bib cock of best quality, with C.P. flexible pipe of "Porta or Approved Equivalent", complete in all respect as per specifications and drawings.	92.00	Each	
9	NS	Providing and fixing 15 mm dia C.P. mixer with C.P pipe 15 mm dia, of "Porta or Approved Equivalent", Porta or approved equal complete including pipe connections, all fittings, testing etc.	92.00	Lacii	
		a) Wash basin mixer	84.00	Each	
		b) Sink mixer	8.00	Each	
10	NC	c) Ablution Double bib cock	16.00	Each	
10	NS	Providing and fixing best quality distortion free imported Belgium glass (beveled) mirrors 5mm thick with hard board backing, chromium plated screws/brackets, complete in all respects as per specifications and drawings.(for vanity)	320.00	Sft	
11	NS	Water Supply System Providing, fixing, jointing and testing Polypropylene Random (PPR) pipes, VODA PIPES/(Polydex by DADEX) or approved equivalent, pressure pipe for cold/hot water as per DIN 8077-8078,PN-20 for pipes and DIN 16962,PN-25 for fittings (polyfusion welded joints) inside building including fittings and specials (sockets, tees, elbows, bends, crosses, reducers, adaptor, plugs and union etc.) supported on walls or suspended from roof slab or run in chases including pipe hangers, supports, cutting and making good the chases and holes, complete in all respects.			
		25mm dia	715 902	Rft	
-+		32mm dia 40mm dia	902 627	Rft Rft	
12	NS	50mm dia 50mm dia Providing and installing ball valves of following nominal dia, Scon/Kitz make or approved Equaivalent, including jointing, fitting, painting, testing, complete in all respects to match with PPR and PE pipes of following diameters. 25 mm	0	Rft Nos.	
-+		32 mm	16	Nos.	
		40 mm	16	Nos.	
<u> </u>		50 mm	0	Nos.	
13	NS	Sewerage System Providing, laying, fixing and testing uPVC Nicasi soil, waste, vent and rain water as per ISO 3633:1991 or equivalent BS specifications including uPVC fittings with solvent cement jointing or rubber ring joints,VODA PIPES/DADEX Or Approved Equivalent make as approved by the Engineer complete in all respects, including clamps, bends, tees, Y-tees, cowls, reducers, sleeves, clean out, waterproof sleeves, roof drain, etc., embedded in floors and walls, clamped to walls, suspended from slab (common hanger shall be used for pipe hanging and fiber glass tray under pipes), painted MS horizontal and vertical pipe hangers of approved design making requisite no. of holes and making good the same complete in all respect as per specifications and drawings.			
		2" i.d	1,020	Rft	

		3" i.d	1,791	Rft	
		4" j.d	2,522	Rft	
14	NS	Providing, fixing, cutting, jointing and testing uPVC Vent Cowel on Vent	_,		
		Pipes with solvent cement jointing, VODA PIPES/DADEX or approved			
		equivalent, rates include cost of cutting & pipe fittings of the following			
		diameter:	10.00		
		2" i.d	48.00	Nos	
15	NS	Providing, laying, fixing and testing floor drain (multifloor trap) uPVC			
		including extension grating and stainless steel cover grating best quality local make Porta or Approved Equivalent as approved Engineer, complete			
		in all respect as per specifications and drawings.	160.00	Nos.	
16	NS	Providing and fixing clean out with threads ferule fixed in pipe with the			
-		help of solvent, as shown on drawing, complete in all respects as per			
		specifications and drawings.			
		3" i.d	50.00	Nos.	
		4" i.d	28.00	Nos.	
17	NS	Providing and making top khurra/R.W.C.B using 3" thick plain cement			
		concrete 1:2:4 matching with roof tiles with steel trowel finishing at desired			
		level including curing, finishing, complete in all respect as per specifications and drawings.			
		i) 1'x1'.	22.00	Nos.	
		ii) 2'x2'.	24.00	Nos.	
		Gas Supply System	21.00	1100.	
18	NS	Providing, laying, fixing, testing (at 90 psi) and disinfecting, galvanized iron			
		pipelines for sui gas supply of "Jamal pipe Or Approved Equivalent", as			
		per BSS 1387 medium quality, "IIL", and "KPM" as approved by the			
		Engineer complete in all respects to their entire satisfaction, including			
		specials such as tee, cross, reducer, bend, union, elbow, plug, socket etc.,			
		supported on walls or suspended from slab, including painted MS			
		horizontal and vertical pipe hangers of approved design, supports, cutting			
		and making good the same as necessary to the structure including two layers of anticorrosive bitumen tape overlapped 6mm at edges to all			
		buried pipes, complete in all respect as per specifications and drawings.			
		3/4" i.d	230	Rft	
19	NS	Providing and installing ball valves of following nominal dia, Kitz make,			
		including jointing, fitting, painting, testing, complete in all respects to			
		match with following G.I pipe diameters.	8.00	Na	
20		3/4" i.d Fire Extinguisher System	8.00	No.	
20		Providing, fixing, testing fire existuishers of following type, complete in all			
		respects as per design drawings and as per satisfaction of the Engineer			
		incharge			
20.1	NS	Dry Chemical Powder Type Fire Extinguisher			
	-	Portable 4 kg ABC Powder Model PD4D	32.00	Each	
20.2	NS	CO2 Type Fire Extinguisher Portable 5 kg CO2			
		Model CD5D	00.00		
			32.00	Each	
20.3	NS	Fire Exit Lights Ceiling Mounted (Self Contained)	66.00	Each	
	•	le items) C/o to Summary of Cost:			
let Tota	al (A+B) :				
		EXTERNAL PUBLIC HEALTH W			

EXTERNAL PUBLIC HEALTH WORK

ltem No.	REF. Nos CH/ITEM	Description of Items	Qty	Unit	Rate (Rs.)	Amount (Rs.)
MRS,	1st BI-ANNU	AL-2021 (1st JANUARY-2021 to 30th JUNE -2021) DISTRICT BAHAWALI	PUR			
		Schedule Items (A)				
		Plumbing Fixtures				
		Water Supply System (For Pipe Line)				
1	Ch.3 Item 44/P-33	Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft. (1.5 m) depth **8.1 after laying of pipe line, which is from ground level, including trimming, dressing sides, payable separately. leveling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects.	8281	1000 Cft		
		Gas Supply System (For Pipe Line)				
2	Ch.3 Item 44/P-33	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) b) in ordinary soil.	5150	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:- (FOR PIPES)				
3	Ch 3 item 42(i)/P-32	i) 0 ft. to 7.0 ft. (0 to 2.10 m) depth	10359	1000 Cft		
4	Ch 7 item 30/P-56	Supplying and filling sand under floor; or plugging in wells	1011	100 Cft		
		Septic Tank (2 Nos.)				
5	Ch.3 Item 42(i)/P-32	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- i) 0 ft. to 7.0 ft. (0 to 2.10 m) depth	847	1000 Cft		
6	Ch.3 Item 42(ii)/P-32	ii) 7-01 ft. to 15.0 ft. (2.15 to 4.5 m) depth	363	1000 Cft		
7	Ch.6 Item5(i)/P-42	Cement concrete plain including placing compacting, finishing and curingcomplete (including screening and washing of stone aggregate): Nominal mix (1: 4: 8) having minimum 1500 Psi cylindrical compressive strength at 28 day	40	100 Cft		

8	Ch.6 item 6a(ii)2 /P-42	Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened surface smooth, and the plastering graded and washed aggregate, in required shape and design, done for making up all surfaces including forms, moulds, shuttering, lifting, compacting, after removing centring. curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a)(ii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizental shuttering) complete in all respects:- (2) Type B (nominal mix 1: 1½: 3) having minimum 3000 Psi cylindrical compressive strength at 28 days.	438	Per Cft	
9	Ch.6 item 6a(i)2 /P-42	(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:- (2) Type B (nominal mix 1: 1½: 3) having minimum 3000 Psi cylindrical compressive strength at 28 days.	85	Per Cft	
10	Ch.6 Item 9(c)/P-44	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and chairs, etc.and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- ('c) Deformed bars (Grade-60)			
11	Ch 21 Item, 15-A/P-124	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.	4	100 Kg Per Set	
12	Ch 6 Item 28/P-46	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.	54	Dft	
13	Ch.13 Item 9/P-87	Bitumen coating to plastered or cement concrete surface	54	Rft	
14	Ch 10 Item 39/P-70	 (i) 20 lbs. per 100 sft. Mosaic dado or skirting with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over ½"(13 mm) thick cement plaster 1:3, including rubbing and polishing, complete with finishing: (a) using grey cement: i) 3/8"(10 mm) thick 	270	100 Sft 100 Sft	
15	Ch 21 item	Gully Trap Constructing gully grating chamber,12"x12", (300x300 mm) complete in all			
	7(b)/P-123	respects: b) concrete Gully trap.	20	Each	
Iotai	A"(Schedule	items) C/o to Summary of Cost: <u>Non Schedule Items (B)</u> Water Supply System			
1	NS	Providing, fixing, jointing and testing Polypropylene Random (PPR) pipes, VODA PIPES/(Polydex by DADEX) or approved equivalent, pressure pipe for cold/hot water as per DIN 8077-8078,PN-20 for pipes and DIN 16962,PN-25 for fittings (polyfusion welded joints) inside building including fittings and specials (sockets, tees, elbows, bends, crosses, reducers, adaptor, plugs and union etc.) supported on walls or suspended from roof slab or run in chases including pipe hangers, supports, cutting and making good the chases and holes, complete in all respects.			
2	NS	63mm dia Providing and installing ball valves of following nominal dia, Scon/Kitz make or approved Equaivalent, including jointing, fitting, painting, testing, complete in all respects to match with PPR and PE pipes of following diameters.	2,070	Rft	
		63 mm Sewerage System	1	Nos.	
3	NS	Providing and fixing 1" malleable dia cast iron step, in Under ground tank , manhole, including carriage and setting the same in work to correct lines and levels.(for tanks)	28	Nos.	
4	NS	Providing, laying, fixing and testing uPVC Nicasi soil, waste, vent and rain water as per ISO 3633:1991 or equivalent BS specifications including uPVC fittings with solvent cement jointing or rubber ring joints,VODA PIPES/DADEX Or Approved Equivalent make as approved by the Engineer complete in all respects, including clamps, bends, tees, Y-tees, cowls, reducers, sleeves, clean out, waterproof sleeves, roof drain, etc., embedded in floors and walls, clamped to walls, suspended from slab (common hanger shall be used for pipe hanging and fiber glass tray under pipes), painted MS horizontal and vertical pipe hangers of approved design making requisite no. of holes and making good the same complete in all respect as per specifications and drawings.	949	Rft	
5	NS	8" i.d Providing and constructing 2'x2' manhole with brick work including excavation, backfilling, RCC work PCC 1:2:4 cambering, plastering in 1:4 inside & outside, water proofing etc., upto 6' depth and size including ladder top slab, 18" heavy duty C.I. Manhole cover with frame "ALPINE INDUSTRIAL CON", "CME", "NPC SUPER" as shown on the drawings, complete in all respect as per specifications and drawings.	583	Rft	
6	NS	Gas Supply System Providing, laying, fixing, testing (at 90 psi) and disinfecting, galvanized iron pipelines for sui gas supply of "Jamal pipe Or Approved Equivalent", as per BSS 1387 medium quality, "IIL", and "KPM" as approved by the Engineer complete in all respects to their entire satisfaction, including specials such as tee, cross, reducer, bend, union, elbow, plug, socket etc., supported on walls or suspended from slab, including painted MS horizontal and vertical pipe hangers of approved design, supports, cutting and making good the same as necessary to the structure including two layers of anticorrosive bitumen tape overlapped 6mm at edges to all buried pipes, complete in all respect as per specifications and drawings.			

7	NS	Droviding and installing hall values of following nominal dis. Kitz make			
'	112	Providing and installing ball valves of following nominal dia, Kitz make,			
		including jointing, fitting, painting, testing, complete in all respects to			
		match with following G.I pipe diameters.			
		3/4" i.d	1.00	No.	
8	NS	Providing, fixing & testing Gas meter as per Sui Northern gas with All			
		Accessories.complete in all respect as per drawings,Specification &			
		Engineer In Charge.	1.00	No.	
			1.00	INO.	
Total "	'B"(Schedu	Ile items) C/o to Summary of Cost :			
Net To	tal (A+B) :				
		ELECTRICAL WORKS			
		ELECTRICAL WORKS			

ltem No.	REF. Nos CH/ITEM	Description of Items	Qty	Unit	Rate (Rs.)	Amount (Rs.)
MRS, [·]	1st BI-ANNU	AL-2021 (1st JANUARY-2021 to 30th JUNE -2021) DISTRICT BAHAWAL	PUR		1	
		SCHEDULE ITEM-A Internal Electrification				
A.01		Light Circuits				
		Supply, installation and commissioning of light circuit wiring, to be wired with 3x2.5mm sq. (1P+1N+1PE) PVC insulated 300/500 V grade wire make Pakistan Cable, Newage,Fast Cables, in and including cost of 1" dia. heavy duty PVC conduit make Beta, Popular recessed in , walls, Roof slab, or on surface or above false ceiling or as required as per site conditions, all PVC conduit accessories, pull boxes, steel pull wires , complete in all respects. Each circuit shall have independent PE.				
	CH: 24 Item 10 (a)-iii P- 144	Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 2.5 mm (7/0.029")	13,950.00	Rft		
		Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, etc, complete with all specials ii) Cost of 25mm	3,487.50	Rft		
A.02		UPS Light Circuits	0,407.00			
	CH: 24 Item	Supply, installation and commissioning of UPS light circuit wiring, to be wired with 1x2.5mm sq. (1UPS) PVC insulated 300/500 V grade wire make Pakistan Cable, Newage,Fast Cables, in pre installed 1" dia. heavy duty PVC conduit make Beta, Popular recessed in , walls, Roof slab, or on surface or above false ceiling or as required as per site conditions, all PVC conduit accessories, pull boxes, steel pull wires , complete in all respects				
	10 (a)-iii P- 144	in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 2.5 mm (7/0.029")	2 750 00	D#		
A.03		1-Light Point Controlled By One Switch	3,750.00	Rft		
		Wiring of one light point controlled by one switch and wired with 3x1.5 mm sq. (P+N+PE) PVC insulated wires 300/500 V. grade makePakistan Cable, Newage,Fast Cables, in and including cost of 3/4" dia. heavy duty PVC conduit make Beta , Popular installed on RCC slab, above false ceiling, recessed in wall, columns slabs or above light carrier all PVC conduit accessories, 3" high PVC junction boxes, pull boxes, steel pull wires, PVC flexiable conduit from ceiling junction box to light fixture flush type plate switches, including cost of back boxes and switches of 10 Amps.				
		Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 1.5 mm (3/0.029")	44,450.00	Rft		
		Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, etc, complete with all specials ii) Cost of 20mm	14,816.67	Rft		
A.04		Point -Point Wiring				
	10 (a)-i P-	Same as per item No. A.03 but Loop wiring of a light point from first light point on same switch circuit, complete in all respects. 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				
	144	casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 1.5 mm (3/0.029")				
			62,195.00	Rft		
		Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, etc, complete with all specials				
A 05		ii) Cost of 20mm	20,731.67	Rft		
A.05		Exhaust Fan Point Same as Item No. A.03 mentioned above but wiring of exhaust fan point including cost of 10 Amp switch with M.S box 16 SWG with earth terminal.				
	CH: 24 Item 10 (a)-i P- 144	Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 1.5 mm (3/0.029")	4,000.00	Rft		
		Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, etc, complete with all specials ii) Cost of 20mm	1,333.33	Rft		
A.06		Ceiling Fan Point Same as Item No. A.03 mentioned above but wiring of Ceiling fan point including cost of 10 Amp switch with M.S box 16 SWG with earth terminal.				

			·	
CH: 24 Item 10 (a)-i P- 144	Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 1.5 mm (3/0.029")			
CH: 24 Item	Supply and erection of PVC pipe for wiring recessed in wall including	23,880.00	Rft	
3 (ii) P-143	inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, etc, complete with all specials ii) Cost of 20mm	7,960.00	Rft	
A.07	Wall Bracket Fan	,		
	Same as Item No. A.03 mentioned above but wiring of Wall Bracket fan point including cost of 10 Amp switch with M.S box 16 SWG with earth			
CH: 24 Item	terminal. Supply and erection of single core PVC insulated copper conductor cables			
10 (a)-i P- 144	in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 1.5 mm (3/0.029")	360.00	Rft	
CH: 24 Item 3 (ii) P-143	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, etc, complete with all specials			
A.08	ii) Cost of 20mm 1-13 Amps Switch Socket	120.00	Rft	
A.00	Supply and wiring of one 3pin 13 Amps light plug socket outlet point from			
	distribution board with single core 2x4mm2(P+N) PVC insulated 300/500 volt grade cable in & including PVC conduit recessed in walls/R.C.C. slab, or installed on surface of Ceiling, all conduits accessories, junction boxes, pull boxes etc. 2.5mm2 cable as PC excluding cost of 3 pin 13 Amps switch & socket outlet make CLIPSAL, Legrand , ABB or approved equivalent installed on & including 16 SWG sheet steel board recessed in walls complete in all respects and as per specifications & drawings.			
CH: 24 Item 10 (a)-iv P- 144	Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 4 mm (7/0.036")			
CH: 24 Item 10 (a)-iii P- 144	Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only)	24,840.00	Rft	
CH: 24 Item 3 (iii) P-143	 i) Cost of 1x 2.5 mm (7/0.029") Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, 	8,280.00	Rft	
	etc, complete with all specials ii) Cost of 25mm	8,280.00	Rft	
A.09	Loop-Loop- 13 Amps Switch Socket Same as item No.A.12 above but loop wiring of 13A power socket outlet			
	with 2x4mm2(P+N) & 1x2.5mm2 as CPC from point to point excluding cost of one 15A 3 pin switch socket outlets with make CLIPSAL, Legrand, ABB or approved equivalent installed on & including 16 SWG sheet steel boards recessed in walls /columns.			
CH: 24 Item 10 (a)-iv P- 144	Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 4 mm (7/0.036")	7,980.00	Rft	
CH: 24 Item 10 (a)-iii P- 144	Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 2.5 mm (7/0.029")			
	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, etc, complete with all specials i) Cost of 25mm	2,660.00	Rft	
A.10	Loop-Loop- 5 Amps Switch Socket	2,000.00	- Nit	
	Same as item No.A.12 above but loop wiring of 5A power socket outlet with 2x4mm2(P+N) & 1x2.5mm2 as CPC from point to point excluding cost of one 15A 3 pin switch socket outlets with make CLIPSAL, Legrand, ABB or approved equivalent installed on & including 16 SWG sheet steel boards recessed in walls /columns.			
CH: 24 Item 10 (a)-iv P- 144		21,000.00	Rft	
CH: 24 Item 10 (a)-iii P- 144	Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 2.5 mm (7/0.029")	7,000.00		
CH: 24 Item 3 (iii) P-143	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, etc, complete with all specials ii) Cost of 25mm	7,000.00	Rft	
A.11	J-15 Amps Switch Socket Supply and wiring of one 3pin 15 Amps Power plug socket outlet point from distribution board with single core 2x4mm2 (P+N) PVC insulated 300/500 volt grade cable in & including PVC conduit recessed in walls/R.C.C. slab, or installed on surface of Ceiling including all conduits accessories, junction boxes, pull boxes etc. 4mm2 cable as PC including cost of 3 pin 20 Amps switch & socket out let make CLIPSAL, Legrand, ABB or approved equivalent installed on & including 16 SWG sheet steel board recessed in walls complete in all respects and as per specifications & drawings.			
	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			

	CH: 24 Item 10 (a)-iii P- 144	Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 2.5 mm (7/0.029")			
	CH: 24 Item	Supply and erection of PVC pipe for wiring recessed in wall including	450.00	Rft	
	3 (iii) P-143	inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, etc, complete with all specials ii) Cost of 25mm	450.00	Rft	
A.12		Power Cables and PVC Conduit L.T. Power Cables			
		Supply at site, installation, testing and commissioning of PVC insulated armoured copper conductor cable 600 / 1000 Volt grade in prelaid conduits / trenches to be installed as per routes shown on drawings including cost of all necessary materials, connections, identification tags, cables lugs properly crimped at both ends for the following sizes complete in all respects. Actual length of cables to be installed shall be practically measured at site by the Contractor, duly authenticated by the employers electrical engineer before placing the order with the manufacturer, however, approximate length of cables are shown herewith. Payments shall be made as per actual length installed.make Pakistan Cable, Newage Cable, Fast Cable or eqv			
a)		PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG.			
i)	CH: 24 Item 12-vii P-145	1 core 185mm sq. (37/0.103") cable from MPB to MPB-E	360.00	Rft	
ii)	CH: 24 Item 13 (c)-vii P- 145	4 core 25mm sq. cable from Meter Panel Board to DBs.	1,310.00	Rft	
iii)	CH: 24 Item 13(c)-vi P-	4 core 16mm sq. cable from Meter Panel Board to DBs.			
b) i)	146 CH: 24 Item 12 (iv) P-145	single core PVC insulated, PVC sheathed copper conductor, 660/1100 volts grade cable Circuit Protective Conductor (CPC) 1 core 70mm sq.	360.00	Rft	
ii)	CH: 24 Item 12 (i) P-145	1 core 16mm sq.	1,310.00	Rft	
iii)	CH: 24 Item 11 (v) P-144	1 core 6mm sq.	1,570.00	Rft	
A.13	11 (V) F-144	PVC Conduit	1,570.00	- NI	
		Supply at site of PVC conduit heavy duty to be concealed in RCC slabs, walls, floor, columns above false ceiling or as required as per site conditions including cost of all PVC conduit accessories, steel pull wires, complete in all respects.			
i)	CH: 24 Item 6 (i) P-143	2" DIA PVC Conduit	600.00	Rft	
ii)	CH: 24 Item 3(iii) P-143	25 mm i/d	400.00	Rft	
		Total "A"(Schedule items) C/o to Summary of Cost:			
B.01		NON SCHEDULE ITEM-B Switch & Sockets.			
i	Appendix ' c' Page No-1	Providing and fixing of 2 gang switch 10 Amp with back box (6"x3"). Make Clipsal Austrila, Philips or eqv.	20.00	Each	
ii	Appendix ' c' Page No-2	Providing and fixing of 4 gang switch 10 Amp with back box (6"x3"). Make Clipsal Austrila, Philips or eqv.	142.00	Each	
iii	Appendix ' c' Page No-3	Providing and fixing of 6 gang switch 10 Amp with back box (6"x3"). Make Clipsal Austrila, Philips or eqv.	110.00	Each	
iv	Appendix ' c' Page No-4	Providing and fixing of 8 gang switch 10 Amp with back box (6"x3"). Make Clipsal Austrila, Philips or eqv.			
v		Providing and Fixing of Switched Socket 5 Amp with back box (3"x3"). Make Clipsal Austrila, Philips or eqv.	50.00	Each	
vi	Appendix ' c' Page No-6	Providing and Fixing of Universal Switched Socket 13 Amp with back box (3"x3"). Make Clipsal Austrila, Philips or eqv.	600.00	Each	
vii	Appendix ' c' Page No-7	Providing and Fixing of Universal Switched Socket 20 Amp with back box (3"x3"). Make Clipsal Austrila, Philips or eqv.	504.00	Each	
B.02		Fitting and Fixtures. Incandescent Fittings	15.00	Each	
		Supply, instalation, testing and commissioning of LED road light with imported chip, campitble imported driver with IP 66 rating, built in Aluminium Alloy + lens housing, input voltage AC 85-285V Frequency 50- 60 Hz, beam angle 140° LED Life span 60000 Hours, colour Warm white 3000K, as per specifications and to the approval of the Consultant/ The Engineer, Make Philips, SunLight, Lumilux eqv.			
i)	Appendix ' c' Page No-8	Supply & installation of LED 17W Down Light (6" Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Meson or Equivalent)	1,696.00	Nos.	
ii)	Page No-51	Supply & installation of LED 2'x 2' 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 36S/865 PSU W60L60 GM G2 or Equivalent) Supply, Installation and connection of LED Search light (100W, 240~, Day	874.00	No	
iii)	Appendix	, ,		1	1 1
iii)		light) i/c PVC wire connector 16A and any accessories (i.e. screw. Rawl plug or steel nail, etc.) at site. Complete in all as approved by the Engineer incharge. (Osaka-E018E or equivalent).	8.00	No	

V)		Supply and installation of outdoor LED Garden Light Warm 05 Watt, complete with all necessary materials / accessories, complete in all			
B.03		respects Exhaust Fans	57.00	Nos.	
		Supply, installation and commissioning of Exhaust Fans of following sizes Matlic body, louvers, all necessary fixing accessories, make Lahore Fan,			
a)	Appendix ' c'	PAK Fan , GFC Fan complete in all respects. 12" dia (Plastic Body).			
	Page No-12		100.00	No	
B.04 i)	Appendix ' c'	Ceiling Fan 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	Nos.	
ii)		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 TOTAL AMOUNT - Part - B (PKR)	197.00	Nos.	
		(CARRIED FORWARD TO SUMMARY)			
iii)		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)	400.00	Nos.	
B.05	A mm a malia 1 al	Wall Bracket Fan			
		Supply & installation of Wall Bracket Fan 18" (99.99% Copper) i/c any accessories (i.e. mounting screws & etc) as required at site. Complete in			
		all respect as directed and approved by the Engineer Incharge (Younis, Tamoor, Pakfan or Equivalent)	8.00	Nos.	
B.06		L.T. Switchgear Main Panel Board-WAPDA			
		Fabrication, supply at site, installation at designated location, testing and			
		commissioning of Main Panel Board (MPB) comprising of cubicles, frame made of sheet steel 12 SWG and doors of 14 SWG, with flexible earthing			
		straps, degreased and de-rusted, finished with electro-static powder coating of 50 micron thickness in approved color, panel housing to comply			
		with protection class IP-54, indoor floor mounting, in free standing design, with hinged door, lockable handle, all auxiliaries, internal wiring,			
		designation labels on MCCBs, earthing bar, numbering beads on the			
		control wires, panel suitable for system Voltage 415 V, 50 Hz, 3 Phase and neutral, bus bars of 99.8% purity electrolytic copper, including cost of			
		cable termination lugs, brass cable glands for incoming & outgoing cables, wiring from breakers, indication lamps, instruments and control all			
		accessories complete in all respects.			
		All incoming and outgoing breakers shall be accessible by opening the			
		front door having additional M.S. sheet cover. Gaskets shall also be provided where necessary. All MCCBs shall be suitable to operate without			
		any de-rating at 50°C ambient temperature and shall be of one make only and not a mixture of more than one make. The front and back sides of			
		MPB shall also have louvers at bottom and sides of panel for hot air			
		exhaust. The panel shall have a front access. Circuits layout shall conform to the single line diagrams. Main Panel Board shall be manufactured by PEL, Technobuild, Ibbad Switchgear or Eqv.			
		Incoming From WAPDA			
		1- 2500 Amps 3 pole Motorized Air Circuit Breaker (ACB) with adjustable			
		overload and short circuit protection RC: 47 KA with Electronic Protection Unit, Aux Contact = 4No + 4NC.			
		Copper Bus Bars of electrolytic copper 99.9% size not less than 2x120x10mm for each phase and neutral (3P+N) on incoming side of breaker of facilitate connection cables.			
		Main copper bus bars of electrolytic copper 99.9% size not less than $2x120mm \times 10mm$ for each phase and neutral (3P+N) + 120mm x 10mm for earth.			
		3-Air cooled ring type current transformer ratio 2500/5 Amps having suitable output and accuracy.			
		3-Digital Ammeter scaled 0-2500 Amps of appropriate size.			
		3-Digital Voltmeter scaled 0-500 Volts.			
		3-Phase indication lamps of colour Red, Yellow, Blue.			
		2-Breaker ON-OFF indication lamp.			
		1- Surge Protective Device (SPD) arrestor 45 KA class:1 make Phoenix / ABB/ Iskra or approved equivalent.			
		1- Energy analyzer make Smart controller type X - 485.			
		Brass Cable Glands			
		As per SLD			
		Earthing Bar and Earth Terminal			
		Earthing bar with necessary punched holes, nuts, bolts and washers, etc.			
		Earthing terminals, all earth leads to have green base with yellow strip.			

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		Each cubicle to have 2 thermostatically controlled 230 Volts robust exhaust fans 6"/8" dia. to be installed on back side or on top of MPB for hot air exhaust, including cost of thermostat ON/OFF switches wire mesh, cleanable filter and all necessary accessories / wiring, complete in all respects.					
		Tube Light					
		Each cubicle to have a tube light of 2 ft. rod to be installed inside the cubicle alongwith micro switch on each door.					
		Outgoing					
		1- 2000 Amps 3 pole Motorized Air Circuit Breaker (ACB) with adjustable overload and short circuit protection RC: 47 KA with Electronic Protection Unit, Aux Contact = 4No + 4NC.					
		1- 1000 Amps 3 pole Adjustable Moulded Case Circuit Breaker (MCCB) RC=> 25 KA					
		1- 100 Amps 3 pole Moulded Case Circuit Breaker (MCCB) RC=> 16 KA					
		Spaces for installation of MCCBs of rating 60/125 ATP in future but EXCLUDING the cost of MCCBs.	1.00		Each		
B.07		Main Panel Board- Emergency (MPB-E) Conforming to same constructional specifications as per item No. 1.02 mentioned above but equipped with the following:					
		Incoming					
		2- 1000 Amps 3 pole Adjustable Moulded Case Circuit Breaker (MCCB) RC=> 25 KA. Both are Electrical & Mechinical Interlocking System					
		Copper Bus Bars of electrolytic copper 99.9% size not less than 80x10mm for each phase and neutral (3P+N) on incoming side of breaker of facilitate connection cables.					
		Main copper bus bars of electrolytic copper 99.9% size not less than 80mm x 10mm for each phase and neutral $(3P+N) + 40mm \times 10mm$ for earth.					
		3-Air cooled ring type current transformer ratio 1000/5 Amps having suitable output and accuracy.					
		3-Digital Ammeter scaled 0-1000 Amps of appropriate size.					
		3-Digital Voltmeter scaled 0-500 Volts.					
		3-Phase indication lamps of colour Red, Yellow, Blue.					
		2-Breaker ON-OFF indication lamp.					
		2- Energy analyzer make Smart controller type X - 485.					
		Brass Cable Glands					
		As per SLD					
		Earthing Bar and Earth Terminal					
		Earthing bar with necessary punched holes, nuts, bolts and washers, etc.					
		Earthing terminals, all earth leads to have green base with yellow strip.					
		Exhaust Fan					
		Each cubicle to have 2 thermostatically controlled 230 Volts robust exhaust fans 6"/8" dia. to be installed on back side or on top of MPB for hot air exhaust, including cost of thermostat ON/OFF switches wire mesh, cleanable filter and all necessary accessories / wiring, complete in all respects.					
		Tube Light					
		Each cubicle to have a tube light of 2 ft. rod to be installed inside the cubicle alongwith micro switch on each door.					
		Outgoing					
		26- 50 / 60 / 75 / 100 Amps 3 pole Moulded Case Circuit Breaker (MCCB) RC=> 16 KA					
		Spaces for installation of MCCBs of rating 60/125 ATP in future but EXCLUDING the cost of MCCBs.	1.00		Each		
B.08		Distribution Board (DBL1-GF,DBL2-GF,DBL4-GF,DBL5-GF,DBL1-1F,DBL2-1F,DBL4-					
		1F,DBL5-1F)					

		 Fabrication, supply at site, installation, testing, commissioning and connections of wires / cables of Distribution Boards "Light / Power" concealed / open type to be installed as and where shown on drawing, made of MS sheet 16 SWG degreased and derusted, zinc phosphated, finished with electro-static powder coating of 50 micron thickness in approved colour, DB housing to comply with protection class IP-44 with hinged door, flexible earthing strap lockable handle, catcher, earthing bar, neutral strip, internal wiring from MCBs terminating on cable terminal blocks, including cost of all necessary materials complete in all respects. DBs shall be manufactured by PEL, Technobuild, Ibbad Switchgear or Eqv. Incoming 1- 50 Amps 3 pole Moulded Case Circuit Breaker (MCCB) RC: 16 KA. Outgoing 18- 10 Amps Single Pole MCB RC: 6 KA Incoming From UPS 1- 30 Amps 3 pole Moulded Case Circuit Breaker (MCCB) RC: 16 KA. Outgoing 11- 10 Amps Single Pole MCB RC: 6 KA 1- Internal power wiring, and control wiring, thimbles, tie, and cable tray. Backled & safety sheet for live equipment. 				
	Appendix ' c' Page No-15	Provision of spaces for future MCB's of rating 10 Amps but EXCLUDING the cost of breakers.				
B.09		(DBL3-GF,DBL3-1F) Conforming to same constructional specifications as per item No. B.14 mentioned above but equipped with the following: Incoming Incoming 1- 50 Amps 3 pole Moulded Case Circuit Breaker (MCCB) RC: 16 KA. Outgoing 21- 10 Amps Single Pole MCB RC: 6 KA Incoming From UPS 1- 30 Amps 3 pole Moulded Case Circuit Breaker (MCCB) RC: 16 KA. Outgoing 11- 10 Amps Single Pole MCB RC: 6 KA 1- Internal power wiring, and control wiring, thimbles, tie, and cable tray. Backled & safety sheet for live equipment. Provision of spaces for future MCB's of rating 10 Amps but EXCLUDING the cost of breakers.	2	No.		
B.10		<u>(DBP1-GF,DBP2-GF,DBP4-GF,DBP5-GF,DBP1-1F,DBP2-1F,DBP4-</u> 1F,DBP5-1F)	2	No.		
		Conforming to same constructional specifications as per item No. B.14 mentioned above but equipped with the following: Incoming 1-75 Amps 3 pole Moulded Case Circuit Breaker (MCCB) RC: 16 KA. Outgoing 33- 16/20 Amps Single Pole MCB RC: 6 KA 1- Internal power wiring, and control wiring, thimbles, tie, and cable tray. Backled & safety sheet for live equipment.				
		Provision of spaces for future MCB's of rating 10 Amps but EXCLUDING the cost of breakers.	0	N1-		
B.11	<u></u>	(DBP3-GF,DBP3-1F) Conforming to same constructional specifications as per item No. B.14 mentioned above but equipped with the following: Incoming 1- 60 Amps 3 pole Moulded Case Circuit Breaker (MCCB) RC: 16 KA. Outgoing 21- 16/20 Amps Single Pole MCB RC: 6 KA	8	No.		
		1- Internal power wiring, and control wiring, thimbles, tie, and cable tray.				
1	l	Backled & safety sheet for live equipment.	I	I	I	I

Appendix of Page Network Province of spaces for hume AGBs of nong 10 Ange but <u>BCCULUDING</u> 2 No. 815 L. T. Power Cables 2 No. Image Network No. 816 L. T. Power Cables 2 No. Image Network No. 91 Province of page Network in the Image Network is the Image Network in the Im		Appondix ' c'	Provision of apages for future MCP's of rating 10 Amag but EXCLUDING					
Supplet at last, installation, testing and commissioning of PVC Insellated controls (coper conduct cashe 60 / 100 Volt grade in period controls in a interpretal Actual repretation is an expension of the following steek controls in a interpretation of the set of the following steek controls in a interpretation of the set of the following steek controls in a interpretation of the set of the following steek controls in a interpretation of the set of the following steek controls in a interpretation of the set of the following steek controls in a interpretation of the set of the following steek controls in a interpretation of the set of the following steek controls in a interpretation of the set of the following steek controls in a steek control of the set of the following steek controls in a steek control of the set of the following steek controls in a steek control of the set of the set of the set of the set of the set of the set of the set of t				2		No.		
Imagenetic *: Imagenetic *: 780.00 Fit Imagenetic *: Imagenetic *: 780.00 Fit Imagenetic *: Surple and installation of Compacted Bio **E: Duc consists of 2800 A 780.00 Fit Appendix *: Surple and installation of Compacted Bio **E: Duc consists of 2800 A 780.00 Fit Pagenetic *: Surple and installation of Compacted Bio **E: Duc consists of 2800 A Fit Fit Pagenetic *: Surple and installation of Compacted Bio **E: Duc consists of 2800 A Fit Fit State Pagenetic *: Surple and installation of Excepted length Bio **E: Duc consists of 2800 A Fit Fit State Pagenetic *: Fit Fit Fit Fit State Pagenetic *: Fit Fit Fit Fit State Fit Fit Fit Fit Fit Fit State Fit Fit Fit Fit Fit Fit Fit Fit Fit Fit Fit Fit Fit Fit Fit Fit	B.12		Supply at site, installation, testing and commissioning of PVC insulated armoured copper conductor cable 600 / 1000 Volt grade in prelaid conduits / trenches to be installed as per routes shown on drawings including cost of all necessary materials, connections, identification tags, cables lugs properly crimped at both ends for the following sizes complete in all respects. Actual length of cables to be installed shall be practically measured at site by the Contractor, duly authenticated by the employers electrical engineer before placing the order with the manufacturer, however, approximate length of cables are shown herewith. Payments shall be made as per actual length installed.make Pakistan					
	a)							
B13 Product 750.00 Pet Appendix C Supply and relation of Compaced Bus Te Curl consts of 250.4 Page hold Page hold <td< td=""><td>i)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	i)							
Appendix 'C Supply and installation of Compacted Bus Te Duct consists of 2000 A Page No.23 Ref Page No.23 Ref Ref 8.14 Rever Coated Calling Buseneded / Morizontal Cable Tray in Corridor 0 8.14 Rever Coated Calling Buseneded / Morizontal Cable Tray in Corridor 0 8.14 Rever Coated Calling Buseneded / Morizontal Cable Tray in Corridor 0 8.14 Rever Coated Calling Buseneded / Morizontal Cable Tray in Corridor 0 Most State 14 5 Vol 5 It to 10 (in four system state State Tray in Corridor 0 Rf Most State 14 5 Vol 5 It to 10 (in four state State Tray in Corridor 0 Rf Most State 14 5 Vol 5 It to 10 (in four state State Tray in Corridor 0 Rf Most State 14 5 Vol 5 It to 10 (in four state	B.13		BUS-TIE-DUCT (BTD) (Form Transformer to Main Panel Boards.	750.00		Rft		
Image: Section of the section of performand cable tray made of M.S. sheet 14 SWG 8 ft. to 10 ft. tong with sides 3" high with cover of cable tray made of 18 SWG M.S. to 10 ft. tong with sides 3" high with cover of cable tray made of 18 SWG M.S. there to be installed on wall, or in vertical, or active false celling in forizontal position of as shown on dawn, ancholarge cast of the fallowing: 2 M.S. threaded hanging root 12" dia. Length 12" or as required as per site. M.S. strip 2" wide x 14" thick. Hill reade load cable fallowing: Z coats of performed cable tray shall be complete in all respects including coats of the fallowing sizes. Appendix " c) 0" wide x 3" high with cover. Complete hanging system shall be installed at every 30". The above mentioned cable tray shall be complete in all respects including in the cover. 400.00 Page No.65 0" wide x 3" high with cover. 765.00 Page No.65 90.00 Rit B-16 Mall Mounted Fire Extinguisher suitable for fire expleted due to electrical information and respected in all periods on an approved equivalent, including cost of fairing system of fire expleted due to electric information and being information and period and with cover. 2 Appendix " c) 12" wide x 3" high with cover. 2 Nos. B-16 Mall Mounted Fire Extinguishers suitable for fire expleted due to electric information and commissioning of wing for FACP Power from respective DB to Fire ALPM With 20.2. S S rum with data wite, Fire Restant Shadde Cab			Supply and installation of Compacted Bus Tie Duct consists of 2500 A TP&N Copper Bus Tie Duct complete with 14SWG duly MS sheet powder painted casing and necessary insulated mounting etc as per site requirement with fixing / hanging arrangements, Exhaust Fans complete in	60		Rft		
M.S. sheet 14 SWG 8 ft. to 10 ft. long with aides 3* right with cover of cable tray made of 18 SWG MS sheet to be installed on wail, or in vertical, or above falls ceiling in fortizontal position or as abown on divaring, indeducing cost of the following:- Z M.S. threaded hanging rod 1/2* dia. Length 12* or as required as per site. M.S. stirp 2* wide x 14* thick. Hill raval to the aper required quanity & size. 2 costs of particular paint. 2 costs of particular particlar partin particular particular particular particular particular	B.14							
M.S stip 2* wide x 14* thick. Hill raval bolts as per required quantity & size. 2 costs of powder costing of approved colour. Complete hanging system shall be installed at every 30*. The above mentioned cable tray shall be complete in all respects including cost of all accessories / materials. Cable tray shall be the following sizes. 400.00 Rt Appendix *c' a) 6* wide x 3* high with cover. 765.00 Rt Page No-63 400.00 Rt Appendix *c' b) 9* wide x 3* high with cover. 765.00 Rt Page No-64 765.00 Rt Page No-65 90.00 Rt E15 Wall Mounted Fire Extinguisher 90.00 B16 Wall Mounted Fire Extinguisher suitable for fire erupted due to electrical short circuit, make Hassen Hable on approved equivalent, including cost of fixing system of fire extinguishers complete in all respects. Fire extinguishers shall be installed in electric norms or as meaper the fire Rta fire R			M.S. sheet 14 SWG 8 ft. to 10 ft. long with sides 3" high with cover of cable tray made of 18 SWG M.S sheet to be installed on wall, or in vertical, or above false ceiling in horizontal position or as shown on					
Hill reval boths as per required quantity & size. 2 costs of neutral paint. 2 costs of powder costing of approved colour. Complete hanging system shall be installed at every 30°. The above mentioned cable tray shall be complete in all respects including cost of all accessories / materials. Cable tray shall be of the following sizes. 400.00 Rft Appendix 'c' a) 6" wide x 3" high with cover. 90.00 Rft Page No-63 'c' 12' wide x 3" high with cover. 90.00 Rft Appendix 'c' b) 9" wide x 3" high with cover. 90.00 Rft Page No-64 Vall Mounted Fire Extinguisher suitable for fire enzyfed due to electrical short circuit, make Hassen Habbi or approved quivelent, including cost of fixing system of fire extinguishers complete in all respects. Fire extinguishers shall be installed in electric rooms or as meriader to electrical short circuit, make Hassen Habbi or complete in all respects. Fire Extinguishers Shall be installed in electric rooms or as meriader to be fire Adam FACP with 30, 2, 2, 5 G, mm with drain wire, Page No-65 2 Nos. I Appendix 'c' Electrical Room 2 Nos. Page No-65 Fire ALARM SYSTEM 2 Nos. I Appendix 'c' Supply, installation and commissioning of wiring for FACP Power from Resistant Shielded Cable (Fire Rating for 1 hours) in preliad conduit from the Amaconseries Make Delector (VK), or Moralwire, Fire Resistant Shield								
Image of the set of the			Hilti rawal bolts as per required quantity & size. 2 coats of antirust paint. 2 coats of powder coating of approved colour.					
Päge No-63 400.00 Rt Appendix ' c' b) 9' wide x 3' high with cover. 765.00 Rt Page No-65 765.00 Rt 765.00 Rt B.15 Wall Mounted Fire Extinguisher 90.00 Rt B.16 Wall Mounted Fire Extinguisher suitable for fire erupted due to electrical short circuit, make Hassen Habib or approved equivalent, including cost of fixing system of fire extinguishers complete in all respects. Frie extinguishers shall be installed in electric rooms or as mentioned below: 2 Nos. B.16 FIRE ALARM SYSTEM 2 Nos. a Appendix ' c' Supply, installation and commissioning of wining for FACP Power from Page No-66 2 Nos. b Appendix ' c' Supply, installation and commissioning of wining for FACP to Fire Alarm free Fire Resistant Shielded Cable (Fire Rating for 1 hours) in prelaid conduit from meriline approved by consultants. Complete in all respect 1 b Appendix ' c' Supply, installation and commissioning of wining for FACP to Fire Alarm free Alarm Control Panel to all Smoke Detector (HeA) Detector / Sounder & Main wire. Fire Resistant Shielded Cable (Fire Rating for 1 hours) in prelaid conduit from fire Alarm Control Panel to all Smoke Detector / HeAD Detector / Sounder & Main wire. Fire Resistant Shielded Cable (Fire Rating for 1 hours) in prelaid conduit from fire Alarm Control Panel to all Smoke Detector / HeAD Detector / Sounder & Maunal Devices, Devices upto 180 units in one Loop, including all installation and connecting of non-addressable manual cable approved eq			including cost of all accessories /					
Page No-64 765.00 Rt Appendix 'c c) 12' wide x 3' high with cover. 90.00 Rt B.15 Wall Mounted Fire Extinguisher 90.00 Rt B.15 Wall Mounted Fire Extinguisher suitable for fire exupted due to electrical shot circuit, make Hassen Habib or approved equivelnt, including cost of fixing system of fire extinguishers complete in all respects. Fire extinguishers shall be installed in electric rooms or as mentioned below. 2 Appendix 'c' Electrical Room 2 Nos. B.16 FIRE ALARM SYSTEM 2 1 i HERE ALARM CABLE 2 Nos. i Page No-66 2 Nos. i FIRE ALARM SYSTEM 1 1 i FIRE ALARM CABLE 1 1 i Page No-76 2 Nos. i Appendix 'c Supply, installation and commissioning of wiring for FACP Power from Page No-18 1 i Page No-18 System as per drawing wired with 2C, 1.5 Sq.mm with drain wire, Fire Resistant Shielded Cable (Fire Rating for 2 hours) in prelaid conduit from fire Alarm Control Panel to all Smoke Detector/ Heal Detector / Sounder & Maunda Devices, Devices upto 180 unts in one Loop, including all installation accessories Make Delpro (UK) / Belden as approved quivel quivel approved equivel approved equivel approved equivel approved equivel as per graving wired with 2C, 1.5 Sq.mm with drain wire, Fire Resistant Shielded Cable (Fire Rating for 1 ho			a) 6" wide x 3" high with cover.	400.00		Rft		
Page No-65 90.00 Rft B.15 Wall Mounted Fire Extinguisher 90.00 Rft B.16 Supply at site, installation of fire extinguisher suitable for fire erupted due to electrical shot circuit, make Haseen Habib or approved equivalent, including cost of fixing system of fire extinguishers complete in all respects. Fire extinguishers shall be installed in electric rooms or as mentioned below: Appendix' c Electrical Room Page No-66 2 Nos. I FIRE ALARM SYSTEM 2 I FIRE ALARM CABLE 2 Appendix' C Supply, installation and commissioning of wiring for FACP Power from Page No-66 2 I FIRE ALARM CABLE 1 I Appendix' C Supply, installation and commissioning of wiring for FACP power from Incellation and commissioning of wiring for FACP to Fire Alarm FACP with 3C, 2.5 Sq.mm with drain wire, Fire Resistant Shielded Cable (Fire Rating for 1 hours) in prelaid conduit from fire Alarm Control Panet to all Smoke Detector/ Head Detector / Sunder & Maunal Devices, Devices upto 180 units in one Loop, including all installation accessories.Make Delpro (UK) / Belden/ Covican (Italy) or approved equivelent alaproved by consulta			b) 9" wide x 3" high with cover.	765.00		Rft		
Bupply at site, installation of fire extinguisher suitable for fire erupted due to electrical short circuit, make Haseen Habib or approved equivalent, including cost of fixing system of fire extinguishers complete in all respects. Fire extinguishers shall be installed in electric rooms or as mentioned below: Appendix 'c' Page No-66 Electrical Room Page No-66 a Appendix 'c' Page No-66 a Appendix 'c' Page No-166 a Appendix 'c' Page No-170 b Appendix 'c' Appendix 'c' Supply, Installation and commissioning of wiring for FACP Power from Page No-177 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 preliad conduit from preliad Conduit. Make Delpro (UK), Belden as approved by consultants, Complete in all respect b Appendix 'c' Supply, Installation and commissioning of wiring for FACP to Fire Alarm Page No-18 Page No-18 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), Delden' Covican (Italy) or approved equilvent approved by consultants, Complete in all respect 9,680.00 ii MANUAL CALL POINTS 9,680.00 Rft iii MANUAL CALL POINTS 20.00 Nos. iiii ALARM SOU			c) 12" wide x 3" high with cover.	90.00		Rft		
including cost of fixing system of fire extinguishers complete in all respects. Fire extinguishers shall be installed in electric rooms or as mentioned below: Image: Complete in all respects. Fire extinguishers shall be installed in electric rooms or as mentioned below: Appendix 'c' Electrical Room 2 B.16 FIRE ALARM SYSTEM 2 i FIRE ALARM CABLE 2 a Appendix 'c' Electrical Room Page No-66 2 Nos. B.16 FIRE ALARM SYSTEM 2 a Appendix 'c' Supply, Installation and commissioning of wiring for FACP Power from Pege No-17 Page No-17 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 prelaid Conduit. Make Deleptor (UK), Belden as approved by consultants, Complete in all respect 150.00 b Appendix 'c' Supply, Installation and commissioning of wiring for FACP to Fire Alarm Page No-18 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 / Sounder & Maunal Devices, Devices upto 180 units in one Loop, including all installation accessories.Make Delpro (UK), Belder/ Covican (Italy) or approved equilvent approved by consultants, Complete in all respect 9,680.00 Rft iii MANUAL CALL POINTS	B.15							
Page No-66 2 Nos. B.16 FIRE ALARM SYSTEM i FIRE ALARM CABLE a Appendix'c' 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), Belden as approved by consultants, Complete in all respect 150.00 b Appendix'c' Supply, Installation and commissioning of wiring for FACP to Fire Alarm Page No-18 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 9,680.00 ii MANUAL CALL POINTS 9,680.00 Rft iii MANUAL CALL POINTS 20.00 Nos. Appendix'c' Supply, installation and connections of Non- Addressable Type Indoor Page No-19 Nos. 20.00 iiiii AL		Appendix Let	to electrical short circuit, make Haseen Habib or approved equivalent, including cost of fixing system of fire extinguishers complete in all respects. Fire extinguishers shall be installed in electric rooms or as mentioned below:					
i FIRE ALARM CABLE a Appendix ' c' Page No-17 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), Belden as approved by consultants, Complete in all respect 150.00 b Appendix ' c' Page No-18 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 9,680.00 Rft ii MANUAL CALL POINTS 9 1 9,680.00 Rft iii MANUAL CALL POINTS 20.00 Nos. 20.00 Nos. iiii MANUAL CALL POINTS 20.00 Nos. 20.00 Nos. iiii MANUAL CALL POINTS 20.00 Nos. 20.00 Nos. iiii Appendix 'c' Page No-19 Satoms press glass type with test dey, suitable for surface or flush mounting Model DL-MCP-1010 make Delpro (UK), or Honeywell (Esser) including cost of all other accessories as required. All equipped as per specifications, complete in all respects. 20.00 Nos. <td></td> <td></td> <td></td> <td>2</td> <td></td> <td>Nos.</td> <td></td> <td></td>				2		Nos.		
Page No-17 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), Belden as approved by consultants, Complete in all respect 150.00 b Appendix 'c' Page No-18 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 9,680.00 Rft ii MANUAL CALL POINTS 1 1 9,680.00 Rft iii MANUAL CALL POINTS 2 20,00 Nos. Nos. iiii Appendix 'c' Supply, installation and connecting of non-addressable manual call Page No-19 1 Nos. iiii AARM SOUNDER /BUZZER 20.00 Nos. 1 Appendix 'c' Supply, installation and connections of Non- Addressable Type Indoor Page No-20 Nos. 2 0								
b Appendix ' c' 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 9,680.00 Rft ii MANUAL CALL POINTS Image No-19 Supply, installation and connecting of non-addressable manual call stations press glass type with test dey, suitable for surface or flush mounting Model DL-MCP-1010 make Delpro (UK), or Honeywell (Esser) including cost of all other accessories as required. All equipped as per specifications, complete in all respects. 20.00 Nos. iii ALARM SOUNDER /BUZZER Image No-20 Appendix ' c' Supply, installation and connections of Non- Addressable Type Indoor Page No-20 Device Supply, installation and connections of Non- Addressable Type Indoor Page No-20 Device Powered electronic Sounder/ Buzzer Model DL-BZ-1121 and	а		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), Belden as approved by			Rft		
ii MANUAL CALL POINTS Appendix 'c' Supply, installation and connecting of non-addressable manual call Page No-19 Stations press glass type with test dey, suitable for surface or flush mounting Model DL-MCP-1010 make Delpro (UK), or Honeywell (Esser) including cost of all other accessories as required. All equipped as per specifications, complete in all respects. 20.00 Nos. iii ALARM SOUNDER /BUZZER 20.00 Nos. Appendix 'c' Supply, installation and connections of Non- Addressable Type Indoor Page No-20 Loop Powered electronic Sounder/ Buzzer Model DL-BZ-1121 and	b		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					
Page No-19 stations press glass type with test dey, suitable for surface or flush mounting Model DL-MCP-1010 make Delpro (UK), or Honeywell (Esser) including cost of all other accessories as required. All equipped as per specifications, complete in all respects. 20.00 Nos. iii ALARM SOUNDER /BUZZER 20.00 Nos. Appendix 'c' Supply, installation and connections of Non- Addressable Type Indoor Page No-20 Loop Powered electronic Sounder/ Buzzer Model DL-BZ-1121 and	ii			9,680.00		Rft		
iii ALARM SOUNDER /BUZZER Appendix 'c' Supply, installation and connections of Non- Addressable Type Indoor Page No-20 Loop Powered electronic Sounder/ Buzzer Model DL-BZ-1121 and			stations press glass type with test dey, suitable for surface or flush mounting Model DL-MCP-1010 make Delpro (UK), or Honeywell (Esser) inclulding cost of all other accessories as required. All equipped as per	20.00		Nos.		
sounds as required, make Delpro (UK) or Honeywell (Esser) incluiding	iii		ALARM SOUNDER /BUZZER 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) including					
iv OPTICAL SMOKE DETECTOR			specifications, complete in all respects.	20.00	\square	Nos.		

				<u> </u>		1	
		Supply, installation and connections of Supply, installation and connections of Non- Addressable Optical Smoke Detectors Model DL-SM-					
	r age No-21	1221 incorporating an LED indication located in labyrinth with in the					
		housing of the detector. Sensing unit. make Delpro (UK), or Honeywell					
		(Esser) inclulding cost of all other accessories as required. All equipped as per specifications, complete in all respects.	214.00		Nos.		
v		HEAT DETECTOR					
		Supply, installation and connections of Non-Addressable Heat Detectors					
	Page No-22	Model DL-HD-1225 incorporating an LED indication located in labyrinth with in the housing of the detector. Sensing unit. make Delpro (UK), or					
		Honeywell (Esser) inclulding cost of all other accessories as required. All					
		equipped as per specifications, complete in all respects.	8.00		Nee		
vi		FIRE ALARM CONTROL PANEL	8.00		Nos.		
VI	Appendix ' c'	Supply, installation and connecting of non-addressable fire alarm of					
	Page No-23	following mentioned channel / zone. Separate bell alarming in each zone					
		indication of point 48 to 72 hours power backup. Short/open circuit indications LED display / power fault, zone isolated test make Model DL-					
		FAP-2414 or Honeywell (Esser) including cost of all other accessories as					
		required. All equipped as per specifications, complete in all respects. as					
		per NFPA-72/EN-54 12 Zone	1.00		Nos.		
vii		FIRE ALARM JUNCTION BOX	1.00		1103.		
	Appendix ' c'	Supply, installation, testing and factory fabricated of PVC / MS junction					
	Page No-24	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		No.		
B.17		CCTV System IP Base					
i	Annendix ' c'	Data Wiring of Camera Supply, Installation and commissioning of wiring as per drawing wired with		\vdash			├
		CAT- 6 23 AWG, UTP Cable UL Listed, run in pre laid conduit from CCTV					
		point to Data Switcher, including all installation accessories. Make Delpro					
		(UK), Belden, Schneider, Actual quantities shall be measured as per site					
		& paid accordingly. Complete in all respects	7,872.00		Rft		
ii		Power Wiring of Network Switch					
		Supply, Installation and commissioning of wiring for Power with flexible					
	Page No-17	3C, 2.5 Sq.mm, Fire Resistant Shielded Cable (Fire Rating for 2 hours) in prelaid conduit from prelaid Conduit. Make Delpro (UK) / Belden/ Covican					
		(Italy), or as specified in appendix-A as approved equivalent by					
		engineer's Incharge or consultants, Actual quantities shall be measured as					
		per site & paid accordingly. Complete in all respects	150.00		D#		
iii		Network Switch	150.00		Rft		
	Appendix ' c'	Supply, Installation and commissioning of 24 port POE Network Switch					
		Make CISCO, 3M, Schnieder as approved equivalent by engineer's					
		Incharge or consultants, Actual quantities shall be measured as per site &	2.00		Nee		
iv		paid accordingly. Complete in all respects CAT-6 UTP 1 METER PATCH CORD	2.00		Nos.		
IV	Appendix ' c'	Supply, installation and connections of CAT-6 UTP 1 meter Patch cord					
	Page No-27	Factory Fabricated and UL Listed with anti Snag Boots- Gold over nickel					
		plated. Make Delpro (UK) Schneider as approved Eqavlent by engineer's					
		Incharge or consultants, Actual quantities shall be measured as per site & paid accordingly. Complete in all respects					
			20.00		No		
v	A	CAT-6 UTP 3 METER PATCH CORD					
		Supply, installation and connections of CAT-6 UTP 3 meter Patch cord Factory Fabricated and UL Listed with anti Snag Boots- Gold over nickel					
	1 490 110 20	plated. Make Delpro (UK), Schneider as approved Eqavlent by					
		engineer's Incharge or consultants, Actual quantities shall be measured as					
		per site & paid accordingly. Complete in all respects	4.00		No		
vi		CAT-6 UTP 16 PORT SLIDING PATCH PANEL	+.00		NO		
	Appendix ' c'	Supply, installation & connections of CAT-6 UTP 16 Port sliding Patch					
	Page No-29	Panel loaded with one piece tool less I/O's VDIG112241U-/VDIB17726-					
		U12 having u shaped smart bridle- Must be UL Listed. The patch panel must have two side buttons for locking mechanism .Make Delpro (UK),					
		Schneider or as approved equivalent by engineer's Incharge or					
		consultants, Actual quantities shall be measured as per site & paid					
vii		accordingly. Complete in all respects	2.00	\vdash	Rft		
VII	Appendix ' c'	CABLE ORGANIZER MADE WITH METAL Supply and installation of Cable Organizer made with metal, high graded		\vdash			
		epoxy powder coating and slideable top- Should be UL Listed. for Rack-					
		mount Front Cable Organizer ACTRJ1-UC MPM Schneider as approved					
		equivalent by engineer's Incharge or consultants, Actual quantities shall					
		be measured as per site & paid accordingly. Complete in all respects	2.00		Rft		
viii		Dome / Bullet - IP - Camera					
		Supply and installation of IP Dome / Bullet Day and Night Vision CCTV,					7
	Page No-31	4MP Model D2404, H.264/H.265 Compatible with 2592x1520 Effective Pixels and Varifocal Lens (2.8~12mm), With upto 40- 50 Meter IR					
		Distance, 40 PCS LED, IP65/66 Weatherproof and Vandalproof, with					
		Humen detection, complete in all respects make make Delpro (UK).	00.00		NI		
ix		Network Video Recoder	20.00	\vdash	Nos.		├
~	Appendix ' c'	Supply, installation and connections of 24 channel NVR Model NC2485		\vdash			
		with 4K Display output that support digital video stream with HDMI cable					
		as required at site. Make Delpro (UK), approved equivalent by consultant					
		or Engineer Incharge, including Brand New 4TB Hard drive Sata .Actual quantities shall be measured as per site & paid accordingly. Complete in					
		all respects.	1.00		Nos.		
х		MONITOR					
		Supply, installation and connections of 55" SMART BACKLIT LED 1080p		T			
	Page No-33	monitor with operation capacity of 24/7 wit 3 year warranty. make by Samsung, TCL, LG or as specified in appendix-A approved equivalent by					
		consultant or Engineer Incharge, Complete in all respects Actual					
		quantities shall be measured as per site & paid accordingly. Complete in					
		all respects.	1.00	$ \vdash $	Nos.		
xi		Close Circuit Junction Box (CCJB)					

		concealed in wall with 2 coats of antirust paint, earthing terminal, complete in all respects.					
	Appendix ' c' Page No-24	Junction boxes of appropriate size 4"x7".	1.00	1	Nos.		
B.18		DATA, WIFI SYSTEM					
İ		POWER CABLE Supply, Installation and commissioning of wiring for Power with flexible 3C, 2.5 Sq.mm, Fire Resistant Shielded Cable (Fire Rating for 2 hours) in prelaid conduit from prelaid Conduit. Make Delpro (UK), Belden, Covican (Italy), or as specified in appendix-A as approved equivalent by engineer's Incharge or consultants, Actual quantities shall be measured as per site & paid accordingly. Complete in all respects	600		Rft		
ii		Computer Outlet					
iii		Supply and installation of Single Shutter Face Plate with bracket and UTP Cat-6 Keystone Jack make : Delpro, clipsal, 3M,complete in all respect as approved by the site incharge. RJ-45 outlet, included cost of Wall boxes. Computer Cables	270	E	Each		
		Supply, Installation and commissioning of wiring as per drawing wired with CAT- 6 23 AWG, UTP Cable UL Listed, run in pre laid conduit from CCTV point to Data Switcher, including all installation accessories. Make Delpro (UK), Belden /Schneider or as specified in appendix-A as approved equivalent by engineer's Incharge or consultants, Actual quantities shall be measured as per site & paid accordingly. Complete in all respects	24300		Rft		
vi		Floor Level Data Cabinet Wall Mounted					
Viii		Supply and installation of 12U (600 x 450mm) wall mounted data cabinet with front glass door, two side opening, two way fans with 06 sockets power distribution unit, complete in all respect. Make Norden, Hp, Dell. WIFI ACCESS POINT	16	E	Each		
<u></u>		Supply, installation and connections of wireless wave two Wi-Fi access point or equivalent 2533Mbps dual-band, 802.11 abgn/ac with 20,40,80 MHz Channel width Support 4x4:4 streams, Beam Flex, Dual Polarized Integrated smart Directional antenna array. Auto-sensing 10/100/1000 Mbps, RJ-45 Power over Ethernet (PoE) Integrated 24 Antenna elements with more than 3000 Antenna Patterns, 15db interference mitigation, make Ruckus, Aruba, Linksys or as specified in appendix-A as approved by engineer's Incharge or consultants, Actual quantities shall be measured as per site & paid accordingly. Complete in all respects	17	E	Each		
іх		Computer Junction Box(CJB)				1	
	Appondix ! c'	Supply, installation of computer junction box 16 SWG to be concealed in wall with 2 coats of antirust paint, earthing terminal, complete in all respects. Computer Junction Box Size: 4"x7"x4" deep.					
	Page No-24		1		No.		
B.19		TELEPHONE SYSTEM	I		INU.		
i a		<u>Telephone Outlet</u> Supply and installation of Single Shutter Face Plate including I/Os with bracket and UTP Cat-6 Keystone Jack make : Norden, clipsal, 3M,complete in all respect as approved by the site incharge. RJ-45 outlet, including Plastic Wall Box Clipsal	298	F	Each		
b		Supply and installation of Double Shutter Face Plate including I/Os with bracket and UTP Cat-6 Keystone Jack make : Norden, clipsal, 3M,complete in all respect as approved by the site incharge. RJ-45 outlet, including Plastic Wall Box Clipsal CAT-6 CABLE FOR TELEPHONE SYSTEM	12		Each		
ii		Supply, Installation and commissioning of wiring as per drawing wired with CAT- 6 23 AWG, UTP Cable UL Listed, run in pre laid conduit from CCTV point to Data Switcher, including all installation accessories. Make Delpro (UK), Belden /Schneider or as specified in appendix-A as approved equivalent by engineer's Incharge or consultants, Actual quantities shall be measured as per site & paid accordingly. Complete in all respects	23250		D#		
iii		Supply and installation of 50 Pair Cable UG/PVC (0.4 - 0.5 mm sq) Telephone Cable (From JB to MDF)	3400		Rft Rft		
iv		<u>Telephone Junction Box 50 Pairs (TJB)</u> Supply, installation and commissioning of telephone junction box 250/5 make Krone Germany Krone No. 6525/1/022/00 of approved colour, designation label as per drawing, including disconnecting modules of 30 Nos. Type 2/10 LSA Plus Profile Krone Germany No. 6089/1/102/02 for incoming and out going telephone cables, all necessary accessories complete in all respects Telephone Junction Box 50 Pairs (TJB)					
	Page No-42		10		No.		
B.20 i		Earthing System Earthing System - Bore Type					
		Drilling of earth bore 3" (75mm) dia 80 to 90 ft. deep (24000 to 27000mm) or up to permanent water table, back filling, ramming, complete in all respect. Earthing bores shall be made at 8ft. away from foundation and distance between earth bore shall not be less than 10ft.					
	Appendix ' c' Page No-44	Bores for earthing body	6.00		No		
ii iii		G.I. Pipe Supply at site and installation of G.I pipe 50mm dia. 14 SWG to be installed in premade bore, all G.I pipe accessories like tees, bends, sockets etc: G.I pipe shall be connected to tinned copper spike as per detail shown on drawing, complete in all respects. Length of pipe shall depend upon the depth of the bore. Payment shall be made as per actual length installed. Tinned Copper Spike	600.00		Rft		

	A	Oursels of site installation of the Lances o			1
		Supply at site, installation of tinned copper spike make NBI to be manufactured as per detail shown on drawing. Spike shall be installed at			
	go 110-70	bottom of G.I pipe, all G.I nuts and bolts, complete in all respect.			
			6.00	Nos	
iv	Annandialat	Copper Conductor			
		Supply at site, installation and connections of earthing leads consisting of stranded electrolytic copper conductor of purity 99.9%, 70mm sq. to be			
		installed in prelaid G.I pipe and connected to tinned copper spike and to			
		test link in man hole and from test link to desired location as per detail			
		shown or as per the instructions of the engineer. 2 Earthing leads shall be			
		installed in G.I pipe, including cost of G.I nuts, bolts, washers, all necessary accessories, complete in all respects. Joints of copper			
		conductor with G.I pipe shall be covered with 3 coats of bitumen. Payment			
		shall be made as per actual length installed.	4 000 00		
		Forth Opmonsting Brinks (FOD)	1,080.00	 Rft	
v	Annendix ' c'	Earth Connecting Points (ECP) Supply at site and installation of earth connecting points made of tinned			
		copper plate of size 12" long x 3" wide x $1/2$ " thick to be installed as and			
		where shown on drawings, complete with fixing arrangement, G.I nuts,			
		bolts, washers, lugs, 1/2" dia. holes to facilitate connections of Incoming			
		copper strips / copper conductors and outgoing circuit protective conductor (CPC).	6.00	Nos	
vi		Man Hole for Earthing			
	Appendix ' c'				
	Page No-49				
		lifting hooks and the following words written with paint on manhole cover "EARTHING PIT", complete in all respects. Man holes shall be made on			
		all earthing bores.	6.00	Nos	
B.21		HT Consumer / Protection Panel			
		Supply, installation, testing and commissioning of HT consumer /			
	Page No-68	protection panel factory fabricated and tested, manufacture by (SIMENS / Tariq Electric / PEL / FICO make only), consist of 12 SWG mild steel			
		sheet fabricated floor mounted free standing one cubical indoor type (I.P			
		54) total enclosed with hinged front doors, the panel designe suitable for			
		11KV three phase 50 Hrz AC system, high conductivity, hard drawn electrolytic copper bus bars of adequate curren carring capacity and short			
		circuit raiting copper interconnections, internal wiring and cables,			
		termination arrangements, using HT Raycherm Heat Shrinkable			
		termination kit German for 3 core HT Armoured cable of appropriate size			
		as per wapda spacification and fineshed with RAL- 7032 powder coating baked. Equiped with following compnents (All components used should be			
		from WAPDA approved list).			
		- HT. CONSUMER/PROTECTION PANEL			
B.22		Power Transformer	1.00	 Each	
D.22	Appendix ' c'	Power Transformer Supply at site, installation, testing and commissioning of new step down			
		power transformer indoor type manufactured according to BSS-171, IEC-			
		76 or VDE-0532, specifications and consisting of the under mentioned			
		items.Filling device, drain plug, oil level indicator, lifting hooks, bi-			
		directional roller wheels, H.V. & L.V. porcelain bushings, off load tap changer, 2 earthing terminals, conservator and silica gel breather,			
		thermometer pocket with thermometer, imported double float buckholz			
		relay, pressure relief vent, dial type thermometer with alarm & trip			
		contacts, rated Voltage 11000 / 415 / 230 Volts, suitable for an ambient temperature of 50°C, winding temperature 55°C and oil temperature 45°C,			
		impedance 6% or as specified by IEC, system earth: Delta-Y, neutral			
		solidly earthed (DYN-II), transformer oil, I.P - 54. The transformer shall be			
		suitable for loading of 100% continuous maximum rating with "ONAN"			
		cooling without exceeding the thermal limit. all necessary accessories / materials, including submission of technical data sheet, complete in all			
		respects and as approved by the Engineer.			
		- 2000 KVA	1 00	Fach	
B.23		HT Power Cables	1.00	Each	
2.20		Supply, installation and commissioning of XLPE insulated, copper tape			
		screened PVC / SWA / PVC, 11 KV- Aluminum conductor cable			
		manufactured by Pakistan cables, Newage Cables, Fast Cables or Eqv.			
		Cables or approved equivalent, as specified in wapda standerds to be laid in prelaid trenched / in pre-laid conduits including cost of connections			
		conferming to general specification, complete in all respect as per			
		satisfaction of the Engineer Incharge.			
		 ii) 3 core 120 mm.sq. 15KV XLPE insulated un armoured cable from HT Protection panel to Transformers 			
	1 age 110-70		150	Rft	
B.24		Heat Shrinkable Termination Kits			
		Suply at work, lying, testing, & commissioning of following HT out door &			
	raye 190-71	Indoor heat shrinkable termination kits of Raychem /3-M/Cellpack for 3 core cables already laid under work Sr. No. 0.04 in the trenches including			
		cable glands etc and miscellaneous materials and installation as per			
		requirements, standard specifications, & to the approval of the consultant /			
		Engineer. Outdoor type (for 120mm Sq)	1	Each	
		Indoor type (for 120mm Sq)	1 3	Each Each	
		Total "B"(Schedule items) C/o to Summary of Cost:	-		
		Net Total (A+B)			
		HVAC WOKS		 	

HVAC WOKS

Item No.	REF. Nos CH/ITEM	Description of Items	Qty	Unit	Rate (Rs.)	Amount (Rs.)
		NON SCHEDULE ITEM-B				
1		Supply & Installation of All DC Inverter Controlled Variable Refrigerant Flow (VRF) Heat Pump Type Multi Split A/c System complete with built-in Auto Control System & Central Controller System with display (Tablet) including unloading, Lifting, placing and Fixing at foundation at locations shown on drawing including testing & commissioning, make Zero, Rivast, Sj-Bush, Hechen, Delpro (UK)				
	a)	Outdoor Condensing Units				
		POU-1	9	No.		
		POU-2	4	No.		
		POU-3	2	No.		

		POU-4	1	No.	
		POU-5	2	No.	
		POU-6	1	No.	
		POU-7	2	No.	
		POU-8	1	No.	
		POU-9	2	No.	
			2	INU.	
	b)	Indoor Units			
		Wall Mounted Type Indoor Units			
		IDU-1	8	Nos.	
		IDU-2	125	Nos.	
		IDU-3	155	Nos.	
		IDU-4	67		
		100-4	07	Nos.	
2		Supply and Installation of Gas & Liquid Copper Piping & Fittings			
		Complete with 19mm thick Elastomeric Closed Cell nitrile rubber foam			
		insulation protected with PVC Tape, clamps/hangers/supports and all			
		other related material for installation purpose complete in all respect as			
		specified.			
		Ø 1/2"	4337	Rft	
		Ø 1/4"	2309	Rft	
		Ø 3/8"	5904	Rft	
		Ø 5/8"	5676	Rft	
		Ø 3/4"	2092	Rft	├────
		Ø 7/8"	378	Rft	
		Ø 1"	120	Rft	
		Ø 1-1/8"	2490	Rft	
		Ø 1-3/8"	1329	Rft	
-		Ø 1-5/8"	529	Rft	
		Ø 2-1/8"	85	Rft	
			~~		
	Note:	The Refrigerant pipe sizes as shown in drawing are indicative only. Pipe sizes may be vary brand to brand therefore the equipment supplier is responsible to verify the pipe sizing detail as given in drawings attached in accordance with their selected models of euipment being offered.			
3					
5		Supply, Fabrication & installation of Refrigerant Distributer (Y-Type) Pipe			
5		Supply, Fabrication & installation of Refrigerant Distributer (Y-Type) Pipe Joints at locations recommended by manufacturer	1	Lot	
5		Supply, Fabrication & installation of Refrigerant Distributer (Y-Type) Pipe Joints at locations recommended by manufacturer	1	Lot	
		Joints at locations recommended by manufacturer	1	Lot	
4		Joints at locations recommended by manufacturer Supply & installation of 12" wide G.I Sheet Construction Pipe Tray with top	1	Lot	
-		Joints at locations recommended by manufacturer			
-		Joints at locations recommended by manufacturer Supply & installation of 12" wide G.I Sheet Construction Pipe Tray with top	1 758	Lot Rft	
4		Joints at locations recommended by manufacturer Supply & installation of 12" wide G.I Sheet Construction Pipe Tray with top covering required to install refrigerant pipes running at exposed roof Supply, fabrication and installation of PVC. piping & fittings, including hangers, anchor bolts, 6mm thick close cell foam insulation protected with			
4		Joints at locations recommended by manufacturer Supply & installation of 12" wide G.I Sheet Construction Pipe Tray with top covering required to install refrigerant pipes running at exposed roof Supply, fabrication and installation of PVC. piping & fittings, including hangers, anchor bolts, 6mm thick close cell foam insulation protected with PVC tape etc. Dia 0.75 Inch	758	Rft	
4		Joints at locations recommended by manufacturer Supply & installation of 12" wide G.I Sheet Construction Pipe Tray with top covering required to install refrigerant pipes running at exposed roof Supply, fabrication and installation of PVC. piping & fittings, including hangers, anchor bolts, 6mm thick close cell foam insulation protected with PVC tape etc. Dia 0.75 Inch Dia 1.0 Inch	758 7055 2565	Rft Rft Rft Rft	
4		Joints at locations recommended by manufacturer Supply & installation of 12" wide G.I Sheet Construction Pipe Tray with top covering required to install refrigerant pipes running at exposed roof Supply, fabrication and installation of PVC. piping & fittings, including hangers, anchor bolts, 6mm thick close cell foam insulation protected with PVC tape etc. Dia 0.75 Inch Dia 1.0 Inch Dia 1.25 Inch	758 7055 2565 3233	Rft Rft Rft Rft Rft	
4		Joints at locations recommended by manufacturer Supply & installation of 12" wide G.I Sheet Construction Pipe Tray with top covering required to install refrigerant pipes running at exposed roof Supply, fabrication and installation of PVC. piping & fittings, including hangers, anchor bolts, 6mm thick close cell foam insulation protected with PVC tape etc. Dia 0.75 Inch Dia 1.0 Inch Dia 1.25 Inch Dia 1.5 Inch	758 7055 2565	Rft Rft Rft Rft	
4		Joints at locations recommended by manufacturer Supply & installation of 12" wide G.I Sheet Construction Pipe Tray with top covering required to install refrigerant pipes running at exposed roof Supply, fabrication and installation of PVC. piping & fittings, including hangers, anchor bolts, 6mm thick close cell foam insulation protected with PVC tape etc. Dia 0.75 Inch Dia 1.0 Inch Dia 1.25 Inch Dia 1.5 Inch Supply & installation of HVAC related Electrical works as specified and as	758 7055 2565 3233	Rft Rft Rft Rft Rft	
4		Joints at locations recommended by manufacturer Supply & installation of 12" wide G.I Sheet Construction Pipe Tray with top covering required to install refrigerant pipes running at exposed roof Supply, fabrication and installation of PVC. piping & fittings, including hangers, anchor bolts, 6mm thick close cell foam insulation protected with PVC tape etc. Dia 0.75 Inch Dia 1.25 Inch Dia 1.5 Inch Supply & installation of HVAC related Electrical works as specified and as shown on the drawings complete with	758 7055 2565 3233	Rft Rft Rft Rft Rft	
4	a)	Joints at locations recommended by manufacturer Supply & installation of 12" wide G.I Sheet Construction Pipe Tray with top covering required to install refrigerant pipes running at exposed roof Supply, fabrication and installation of PVC. piping & fittings, including hangers, anchor bolts, 6mm thick close cell foam insulation protected with PVC tape etc. Dia 0.75 Inch Dia 1.25 Inch Dia 1.5 Inch Supply & installation of HVAC related Electrical works as specified and as shown on the drawings complete with Electrical Panels	758 7055 2565 3233 536	Rft Rft Rft Rft Rft Rft	
4	a)	Joints at locations recommended by manufacturer Supply & installation of 12" wide G.I Sheet Construction Pipe Tray with top covering required to install refrigerant pipes running at exposed roof Supply, fabrication and installation of PVC. piping & fittings, including hangers, anchor bolts, 6mm thick close cell foam insulation protected with PVC tape etc. Dia 0.75 Inch Dia 1.0 Inch Dia 1.25 Inch Dia 1.25 Inch Supply & installation of HVAC related Electrical works as specified and as shown on the drawings complete with Electrical Panels ACP-1	758 7055 2565 3233 536 1	Rft Rft Rft Rft Rft	
4	a)	Joints at locations recommended by manufacturer Supply & installation of 12" wide G.I Sheet Construction Pipe Tray with top covering required to install refrigerant pipes running at exposed roof Supply, fabrication and installation of PVC. piping & fittings, including hangers, anchor bolts, 6mm thick close cell foam insulation protected with PVC tape etc. Dia 0.75 Inch Dia 1.25 Inch Dia 1.5 Inch Supply & installation of HVAC related Electrical works as specified and as shown on the drawings complete with Electrical Panels	758 7055 2565 3233 536	Rft Rft Rft Rft Rft Rft	
4		Joints at locations recommended by manufacturer Supply & installation of 12" wide G.I Sheet Construction Pipe Tray with top covering required to install refrigerant pipes running at exposed roof Supply, fabrication and installation of PVC. piping & fittings, including hangers, anchor bolts, 6mm thick close cell foam insulation protected with PVC tape etc. Dia 0.75 Inch Dia 1.0 Inch Dia 1.25 Inch Supply & installation of HVAC related Electrical works as specified and as shown on the drawings complete with Electrical Panels ACP-1 ACP-2 Conduiting and wiring onward from ACP panels to HVAC equipment	758 7055 2565 3233 536 1 1	Rft Rft Rft Rft Rft Rft No	
4	a)	Joints at locations recommended by manufacturer Supply & installation of 12" wide G.I Sheet Construction Pipe Tray with top covering required to install refrigerant pipes running at exposed roof Supply, fabrication and installation of PVC. piping & fittings, including hangers, anchor bolts, 6mm thick close cell foam insulation protected with PVC tape etc. Dia 0.75 Inch Dia 1.0 Inch Dia 1.25 Inch Dia 1.25 Inch Supply & installation of HVAC related Electrical works as specified and as shown on the drawings complete with Electrical Panels ACP-1 ACP-2	758 7055 2565 3233 536 1	Rft Rft Rft Rft Rft Rft No	
4 5 6		Joints at locations recommended by manufacturer Supply & installation of 12" wide G.I Sheet Construction Pipe Tray with top covering required to install refrigerant pipes running at exposed roof Supply, fabrication and installation of PVC. piping & fittings, including hangers, anchor bolts, 6mm thick close cell foam insulation protected with PVC tape etc. Dia 0.75 Inch Dia 1.0 Inch Dia 1.25 Inch Supply & installation of HVAC related Electrical works as specified and as shown on the drawings complete with Electrical Panels ACP-1 ACP-2 Conduiting and wiring onward from ACP panels to HVAC equipment including control wiring Conduiting and wiring onward from outdoor condensing unit to indoor units including control wiring	758 7055 2565 3233 536 1 1	Rft Rft Rft Rft Rft Rft No No	
4	b)	Joints at locations recommended by manufacturer Supply & installation of 12" wide G.I Sheet Construction Pipe Tray with top covering required to install refrigerant pipes running at exposed roof Supply, fabrication and installation of PVC. piping & fittings, including hangers, anchor bolts, 6mm thick close cell foam insulation protected with PVC tape etc. Dia 0.75 Inch Dia 1.0 Inch Dia 1.25 Inch Supply & installation of HVAC related Electrical works as specified and as shown on the drawings complete with Electrical Panels ACP-1 ACP-2 Conduiting and wiring onward from ACP panels to HVAC equipment including control wiring Conduiting and wiring onward from outdoor condensing unit to indoor units including control wiring Painting of metal hangers and metal structures where installed as	758 7055 2565 3233 536 1 1 1 1 1	Rft Rft Rft Rft Rft Rft Rft Lot Lot	
4 5 6 7	b)	Joints at locations recommended by manufacturer Supply & installation of 12" wide G.I Sheet Construction Pipe Tray with top covering required to install refrigerant pipes running at exposed roof Supply, fabrication and installation of PVC. piping & fittings, including hangers, anchor bolts, 6mm thick close cell foam insulation protected with PVC tape etc. Dia 0.75 Inch Dia 1.0 Inch Dia 1.25 Inch Dia 1.5 Inch Supply & installation of HVAC related Electrical works as specified and as shown on the drawings complete with Electrical Panels ACP-1 ACP-2 Conduiting and wiring onward from ACP panels to HVAC equipment including control wiring Painting of metal hangers and metal structures where installed as specified	758 7055 2565 3233 536 1 1 1 1 1 1 1 1 1	Rft Rft Rft Rft Rft Rft No No Lot Lot	
4 5 6 7 8	b)	Joints at locations recommended by manufacturer Supply & installation of 12" wide G.I Sheet Construction Pipe Tray with top covering required to install refrigerant pipes running at exposed roof Supply, fabrication and installation of PVC. piping & fittings, including hangers, anchor bolts, 6mm thick close cell foam insulation protected with PVC tape etc. Dia 0.75 Inch Dia 1.0 Inch Dia 1.25 Inch Dia 1.5 Inch Supply & installation of HVAC related Electrical works as specified and as shown on the drawings complete with Electrical Panels ACP-1 ACP-2 Conduiting and wiring onward from ACP panels to HVAC equipment including control wiring Painting of metal hangers and metal structures where installed as specified Shop drawings and As-built drawings	758 7055 2565 3233 536 1 1 1 1 1	Rft Rft Rft Rft Rft Rft Rft Lot Lot	
4 5 6 7	b)	Joints at locations recommended by manufacturer Supply & installation of 12" wide G.I Sheet Construction Pipe Tray with top covering required to install refrigerant pipes running at exposed roof Supply, fabrication and installation of PVC. piping & fittings, including hangers, anchor bolts, 6mm thick close cell foam insulation protected with PVC tape etc. Dia 0.75 Inch Dia 1.0 Inch Dia 1.5 Inch Supply & installation of HVAC related Electrical works as specified and as shown on the drawings complete with Electrical Panels ACP-1 ACP-2 Conduiting and wiring onward from ACP panels to HVAC equipment including control wiring Painting of metal hangers and metal structures where installed as specified Shop drawings and As-built drawings Related Civil works including wall / slab cutting, patching, plastering etc.	758 7055 2565 3233 536 1 1 1 1 1 1 1 1 1 1	Rft Rft Rft Rft Rft Rft No No Lot Lot Job Job	
4 5 6 7 8	b)	Joints at locations recommended by manufacturer Supply & installation of 12" wide G.I Sheet Construction Pipe Tray with top covering required to install refrigerant pipes running at exposed roof Supply, fabrication and installation of PVC. piping & fittings, including hangers, anchor bolts, 6mm thick close cell foam insulation protected with PVC tape etc. Dia 0.75 Inch Dia 1.0 Inch Dia 1.25 Inch Dia 1.5 Inch Supply & installation of HVAC related Electrical works as specified and as shown on the drawings complete with Electrical Panels ACP-1 ACP-2 Conduiting and wiring onward from ACP panels to HVAC equipment including control wiring Painting of metal hangers and metal structures where installed as specified Shop drawings and As-built drawings	758 7055 2565 3233 536 1 1 1 1 1 1 1 1 1	Rft Rft Rft Rft Rft Rft No No Lot Lot	
4 5 6 7 8	b)	Joints at locations recommended by manufacturer Supply & installation of 12" wide G.I Sheet Construction Pipe Tray with top covering required to install refrigerant pipes running at exposed roof Supply, fabrication and installation of PVC. piping & fittings, including hangers, anchor bolts, 6mm thick close cell foam insulation protected with PVC tape etc. Dia 0.75 Inch Dia 1.0 Inch Dia 1.5 Inch Supply & installation of HVAC related Electrical works as specified and as shown on the drawings complete with Electrical Panels ACP-1 ACP-2 Conduiting and wiring onward from ACP panels to HVAC equipment including control wiring Painting of metal hangers and metal structures where installed as specified Shop drawings and As-built drawings Related Civil works including wall / slab cutting, patching, plastering etc.	758 7055 2565 3233 536 1 1 1 1 1 1 1 1 1 1	Rft Rft Rft Rft Rft Rft No No Lot Lot Job Job	

SUMMARY OF COST

CONSTRUCTION OF NEW FACULTY BUILDING (NO.3) AT BJ CAMPUS, IUB

NEW FACULTY BUILDING

ENGINEER'S COST ESTIMATE

S/N	DESCRIPTION	AMOUNT (Rs.)
A	SCHEDULED ITEMS	
1	CIVIL WORK	
2	INTERNAL PUBLIC HEALTH WORK	
3	EXTERNAL PUBLIC HEALTH WORK	
4	ELECTRICAL WORK	
	Sub Total (A) :	
	SCHEDULE ITEMS 430,837,460 /- X% ABOVE /BELOW:	
	Net Total (A) :	
В	NON-SCHEDULED ITEMS	
1	CIVIL WORK	
2	INTERNAL PUBLIC HEALTH WORK	
3	EXTERNAL PUBLIC HEALTH WORK	
4	ELECTRICAL WORK	

5	HVAC WORK	
	Sub Total(B):	
	TOTAL (A+B) :	

CONSTRUCTION OF NEW FACULTY BUILDING (NO.3) AT BJ CAMPUS, IUB NEW FACULTY BUILDING ENGINEER'S COST ESTIMATE CIVIL WORKS

ltem No.	REF. Nos CH/ITEM	Description of Items	Qty	Unit	Rate (Rs.)	Amount (Rs.)
MRS, ⁻	1st BI-ANNU	AL-2021 (1st JANUARY-2021 to 30th JUNE -2021) DISTRICT BAHAWAL	PUR	1	. ,	
		SCHEDULE ITEMS-A				
		Earth Work				
1	CH:3 item 47(a) P-33	Jungle clearance and removing within 100 ft. (30 m).a) light	74,000.00	1000 Sft		
2	CH:3 item	Excavation in foundation of building and other sructures, including	11,000.00	1000 01		
	21(b) P-30	debelling,dressing,refilling around structure with excavated eart,watering				
		and ramming lead upto one chain 100ft and lift upto 5 ft.in ordinary soil.	317,563.31	1000 Cft		
3	CH:3 item	Filling, watering and ramming earth under floors:	017,000.01	1000 Cit		
	15					
2.4	P-29 CH:3 item	i) with a way to earth from foundation at		-		
3.1	15(i)	i) with surplus earth from foundation, etc.				
	P-29		211,708.88	1000 Cft		
3.2	CH:3 item	Earthwork excavation in ashes, sand and soft soil or silt clearance,				
	2+17 (a,b &c)	undressed lead upto 2 km (2000 metre).				
	P-27 + 29		621,600.00	1000 Cft		
3.3	CH:3 item	Compaction of earthwork with power road roller, including ploughing,				
	25 (i) P-30	mixing, moistening earth to optimum moisture) content in layers, etc. complete:				
	(1)1 00	i) 95% to 100% maximum modified AASHO dry density.	248,708.88	1000 Cft		
		Anti-Termite				
4	CH:25 item	Spraying anti-termite liquid mixed with water in the ratio of 1:40.				
	42 P-164		299,411.44	100 Sft		
		Plain and Reinforement Concrete				
5	CH:6 item 5	Cement concrete plain including placing, compacting , finishing and curing		1 1		
	P-42	complete (including screening and washing of stone aggregate):-				
5.1	(i)	Ratio 1: 4: 8	25,680.65	100 Cft		
5.2	(f)	Ratio 1: 2: 4	24,089.69	100 Cft		
6	CH:6 item 6	Providing and laying reinforced cement concrete (including prestressed				
	P-42	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.):-				
6.1	(a)(ii)	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than				
		those mentioned in i) above not requiring form work (i.e. horizental				
		shuttering) complete in all respects:-				
	(=)	Foundation	00 750 44			
6.1.1 6.2	(2)	Type B (nominal mix 1: 1½: 3) Reinforced cement concrete slabs, beams, girders, Lintels and other	90,758.11	Per Cft		
0.2	(a)(i)	structural members laid in situ or precast laid in position, or prestressed				
		members cast in situ, complete in all respects;-				
		GROUND FLOOR	110 700 70			
6.2.1	(a)(i)(2)	Type B (nominal mix 1: 1½: 3) FIRST FLOOR	118,788.72	Per Cft		
6.2.2	(a)(i)(2)+(d)		75,528.35	Per Cft		
0.2.2	(u)(i)(2)*(u)	MUMTY	10,020.00	i ci oli		
6.2.3	(a)(i)(2)+(dx2)	Type B (nominal mix 1: 1½: 3)	6,914.72	Per Cft		
		Carriage				
7	CH:1 item 1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate,				
	P-3	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)				
			75,996.03	100 Cft		
8	CH:6 item 9	Steel Reinforcement Fabrication of mild steel reinforcement for cement concrete, including				
0	(C)	cutting, bending, laying in position, making joints and fastenings, including				
	P-44	cost of binding wire and labour charges for binding of steel reinforcement (
		also includes removal of rust from bars) (c) Deformed bar (Grade 60)	1,225,380.44	100%~		
9	CH:6 item	Providing and laying damp proof course of cement concrete 1:2: 4(using	1,220,000.44	100Kg		
-	33 (b)(i)	cement, sand and shingle),				
	P-47	b) with 2 coats of bitumen :- i) 11/5" thick (40 mm)	189.20	100.0#		
10	CH:6 item	i) 1½" thick (40 mm) Providing and fixing 1/8" (3 mm) thick 3" (75 mm) wide aluminium strip on	109.20	100 Sft		
-	25	horizontal and vertical expansion joints in walls, columns, ceilings and				
	P-46	floors etc., including cost of clips/screws etc.,				
10.1	a)	complete in all respects:- On interior surface (without mastic strip)	722.40	Per/Rft		
10.1	b)	On exterior surface (with mastic strip)	729.23	Per/Rft		
11	CH:6 item	Providing and fixing thermopore (foamed polythene) sheet in horizontal				
	32 (b)	and vertical expansion joints:				
11.1	P-47	b) 1½" (40 mm) thick thermopore sheet	9,941.40	Per/Sft		
11.1	CH:6 item	Providing and fixing ornamental cement jali 2" (50 mm) thick	3,341.40	renoll		
-	12					
I			3,402.00	Per Sft		1
	P-44	Brick Work	3,402.00	Fei Sit		-

13	CH:7 item 4 (i) P-51	Pacca brick work in foundation and plinth in:-Cement, sand mortar:-Ratio 1:6	20,162.26	100 Cft	
14	(i) P-51 CH:7 item 4 (i) P-51		2,175.76	100 Cft	
15		GROUND FLOOR	_,		
15	(i) P-52	Pacca brick work in ground floor :- Cement, sand mortar:-Ratio 1:6	71,374.26	100 Cft	
16	CH:7 item 5 (i) P-52	Pacca brick work in ground floor :- Cement, sand mortar:-Ratio 1:4	2,049.86	100 Cft	
17	Ch-7 item 5	FIRST FLOOR Pacca brick work in first floor:-			
	(i) & 6 (i) P- 52	Cement, sand mortar:-Ratio 1:6	78,428.87	100 Cft	
18	CH:7 item 5 (i) P-52	Pacca brick work in first floor :- Cement, sand mortar:-Ratio 1:4	2,049.86	100 Cft	
10		MUMTY			
19	(i) & 6 (ii) P-	Pacca brick work in second floor:- Cement, sand mortar:-Ratio 1:6	0.440.05	100.05	
20	52 Ch-7 item 9	Extra labour for arch work in brick masonry, including labour for centring	2,416.05	100 Cft	
21	P-53 Ch-7 item 13	and decentring. Extra for face work (half brick thick) using special bricks instead of first	140.96	100 Cft	
	P-53	class bricks.	16,637.37	100 Cft	
22	Ch-7 item 30	Flooring Supplying and filling sand under floor; or plugging in wells			
22	P-56	supplying and mining sand ander noor, or progging in weils	25,727.39	100 Cft	
23	Ch-10 item 3	6, , 6, 6	20,727.00	100 Cit	
	P-66	50 mm) gauge mixed with 25 % sand, for floor foundation, complete in all respects	44,235.08	100 Cft	
24	Ch-10 item 23	Providing and laying floor of mosaic marble chips tiles 1"(25 mm) thick of approved quality and shade, laid in white cement and pigment, over 3/"(20			
	P-68	mm) thick bedding of cement sand mortar 1:2, including finishing and polishing, complete.	2,973.60	100 Sft	
25	Ch-10 item 35 (b)	Tile skirting laid in 1:2 cement mortar, over ¾"(20 mm) thick cement mortar, 1:2 including cement washing and filling joints complete:-			
26	P-69 Ch-10 item	(b) mosaic tiles Providing and fixing marble strip of any shade for dividing the mosaic	226.80	100 Sft	
-	42 (a) P-70	flooring into panels a) Size 11/2" x 3/8" (40 x 10 mm)	1,873.37	Per Rft	
27	Ch-10 item 43 (a)	Providing and layingTuff pavers ,having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand	,		
	P-70	in joints i/c finishing to require slope . complete in all respect.(50% Grey / 50% Coloured)			
		a) 50-mm thick	7,875.00	P.Sft	
28		Surface Rendring Cement plaster ratio 1:3 under soffit of RCC roof slabs only , upto 20'			
	10 (b) P-72	height. 3/8" (10 mm) thick. (ceiling plaster)	79,178.73	100 Sft	
29	Ch-11 item 9 (b) P-72	Cement plaster 1:4 on internal walls upto 20' (6 m) height, 1/2" (13 mm) thick.	349,822.91	100 Sft	
30	Ch-11 item 9 (c) P-72	Cement plaster 1:4 on external walls upto 20' (6 m) height, 3/4" (20 mm) thick.	17,668.35	100 Sft	
31	Ch-11 item 9 (c) & 28 P-		,		
32	72-74	Cement plaster 1:4 on external walls upto 40' (12 m) height, 3/4" (20 mm)	3,788.40	100 Sft	
52	(c) & (28x2) P-72-74	thick.			
	P-72-74		14,165.55	100 Sft	
33	Ch-12 item	Wood Work Providing and fixing sliding bolt to doors:-			
	18 (iii) P-78	iii) brass sliding bolt, 10" (250 mm) long Painting and Warnishing	416.00	Each	
34	Ch-13 item 31 (a)+(bx2)	Preparing surface and painting with emulsion paint:- 3 Coats New Surface			
25	P-89	Droviding and applying weather shield said of same share "	456,830.79	100 Sft	
35	32A (a)(i+ii)	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of an external surface and surface to the surface of the			
	P-89	primer complete in all respect:- 2 Coats New Surface	37,403.42	100 Sft	
36	Ch-13 item 7 P-87	French polishing complete:-			
		Roofing & Water Proofing	24,351.60	100 Sft	
37	Ch-9 item 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,			
	(0) - 00	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	100.0#	
38	Ch-9 item 5		02,092.00	100 Sft	
00	P-60				
00	+ Ch-26 item	Kg/Sg.m bitumen coating sand blinded.i/c P/L double layer polythene			
00	+ Ch-26 item 37(iix2) P-163	sheet 500 gauge			
39	37(iix2) P-163		82,692.88	100 Sft	
	37(iix2) P-163	sheet 500 gauge	82,692.88 52.00	100 Sft Each	
39	37(iix2) P-163 Ch-9 item 15 P-62 Ch-9 item 16	sheet 500 gauge Khuras on roof 2'x2'x6" (600 x 600 x 150 mm). Bottom Khuras of brick masonry in cement mortar 1:6, 4'x2'x4½"			
39	37(iix2) P-163 Ch-9 item 15 P-62	sheet 500 gauge Khuras on roof 2'x2'x6" (600 x 600 x 150 mm).			
39	37(iix2) P-163 Ch-9 item 15 P-62 Ch-9 item 16	sheet 500 gauge Khuras on roof 2'x2'x6" (600 x 600 x 150 mm). Bottom Khuras of brick masonry in cement mortar 1:6, 4'x2'x4½"	52.00	Each	
39	37(iix2) P-163 Ch-9 item 15 P-62 Ch-9 item 16	sheet 500 gauge Khuras on roof 2'x2'x6" (600 x 600 x 150 mm). 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	

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.	216,657.10	Per/Cft	
2	N.S	Providing and laying structural pad of granular fill material mixture of 50% sand and 50% crushed stones compacted to 95% maximum modified	210,037.10	Per/Cit	
		"AASHO" dry density i/c carriage of all materials at site complete in all respect as approved by The Engineer. Flooring	62,567.66	Per/Cft	
3	N.S	Providing and laying Porcelain tiles flooring (full body) 16" x 16" Master, or approved equivalent laid over 3/4" thick cement sand mortar (1:3) including setting the tiles with Bond (Stile, or approved equivalent) i/c filling joints with Grout (Stile, or approved equivalent) of matching color i/c cutting, leveling, washing and curing complete in all respect as per Specifications, and as per sample approved by The Engineer. (Imperial			
4	N.S	(IMPG) Dark Color Polished SB) Providing and laying Granite tiles flooring (full body) 24" x 24" Master, or	99,042.64	Per/Sft	
		approved equivalent laid over 3/4" thick cement sand mortar (1:3) including setting the tiles with Bond (Stile, or approved equivalent) i/c filling joints with Grout (Stile, or approved equivalent) of matching color i/c cutting, leveling, washing and curing complete in all respect as per Specifications, and as per sample approved by The Engineer. (Granite with dry/wet/venied application,DWV series Polished (Light color)class SB)	42,400.97	Per/Sft	
		Skirting / Dado	42,400.97	Pei/Sil	
5	N.S	Providing and laying Porcelain tiles flooring (full body) 16" x 4" Master, or approved equivalent laid over pre-plastered surface including setting the tiles with Bond (Stile, or approved equivalent) i/c filling joints with Grout (Stile, or approved equivalent) of matching color i/c cutting, leveling, washing and curing complete in all respect as per Specifications, and as per sample approved by The Engineer. (Imperial (IMPG) Dark Color Polished SB)	35,118.83	Per/Sft	
6	N.S	Providing and laying Granite tiles flooring (full body) 24" x 4" Master, or approved equivalent laid over pre-plastered surface including setting the tiles with Bond (Stile, or approved equivalent) i/c filling joints with Grout (Stile, or approved equivalent) of matching color i/c cutting, leveling, washing and curing complete in all respect as per Specifications, and as per sample approved by The Engineer. (Granite with dry/wet/venied application,DWV series Polished (Light color)class SB)			
		Windows Sill	2,767.83	Per/Sft	
7	N.S	Providing and fixing 3/4" thick Pre-polished Granite Marble Slab uniform texture full width and length laid over 3/4" thick cement sand mortar (1:3) including setting the tiles with Bond (Stile, or approved equivalent) i/c filling joints with Grout (Stile, or approved equivalent) of matching color i/c cutting, leveling, washing, curing and beveling charges on exposed edges complete in all respect as per Specifications, and as per sample approved by The Engineer.	2,349.90	Per/Sft	
		Entrance Steps / Podium	2,040.00	T el/olt	
8	N.S	Providing and fixing 3/4" thick pre-polished Granite Marble Slab uniform texture full width laid over 3/4" thick cement sand mortar (1:3) including setting the tiles with Bond (Stile, or approved equivalent) i/c filling joints with Grout (Stile, or approved equivalent) of matching color i/c cutting, leveling, washing, curing and beveling charges on exposed edges complete in all respect as per Specifications, and as per sample approved by The Engineer.	1,228.50	Per/Sft	
9	N.S	Stair Steps			
9	N.5	Providing and laying Pre-polished Black Granite (supreme quality) slabs laid over 3/4" thick cement sand mortar (1:3) including setting the tiles with Bond (Stile, or approved equivalent) i/c filling joints and washing the tiles with Grout (Stile, or approved equivalent) of matching color i/c cutting, leveling, washing, curing and beveling charges on exposed edges, i/c anit- slip treads with carborundum powder and silicon mixture in thee rows complete in all respect as per Specifications, and as per sample approved by The Engineer.			
9.1	a)	3/4" thick Pre-polished Black Granite (supreme quality) one-piece slab of length and width as shown on drawings, rounded smooth of stairs and entrance steps.	2,629.46	Per/Sft	
9.2	b)	3/4" thick Pre-polished Black Granite (supreme quality) slabs of length and height as shown on drawings, over risers of stairs and entrance steps.	1,018.24	Per/Sft	
10	N.S	Laminated Wooden Flooring Providing and laying, jointing etc. Laminated Wooden Floor			
10	11.0	 (200mmX1200mmX8mm) (Malaysian, turkey or approved equivalent) of approved color and shade at floor i/c the cost of jumbo lawn, Nail, edging & Fixing etc. as approved by The Engineer, complete in all respects. 	3,939.60	Per/Sft	
11	N.S	Providing and laying, jointing etc. Laminated Wooden Floor (200mmX1200mmx8mm) (Malaysian, turkey or approved equivalent) of approved color and shade at floor i/c the cost of jumbo lawn, Nail, edging & Fixing etc. as approved by The Engineer, complete in all respects.Dado/ Skirting	846.30	Per/Rft	
12	N.S	Vanity / Kitchen Counter Top Providing and fixing 3/4" thick pre-polished Black Granite one-piece marble slabs Kitchen / Vanity Counter etc; laid over 3/4" thick cement sand mortar (1:3) including setting the tiles with Bond (Stile, or approved equivalent) i/c filling joints and washing the tiles with Grout (Stile, or approved equivalent) of matching color i/c cutting, leveling, washing, curing and beveling charges on exposed edges complete in all respect as			
		per Specifications, and as per sample approved by The Engineer.	697.20	Per/Sft	
		Miscellenious		1	

13	N.S	Providing and fixing 1-1/2" Oak Wood Door shutter (Red Oak-859 imported) With Oak wood architraves on both sides, including polishing with lacquer polish (including preparation of surface, applying priming coat, rubbing etc.); or approved equal; all rough and finished hardware			
		complete in all respects as per drawings and Specifications, including handles, tower bolt 18" (A/B Heavy) etc., as per sample approved by The	12,175.80	Der/Off	
14	N.S	Engineer. Providing and fixing uPVC Door, including PVC door frame, with hinges, latch lock, tower bolt, handle & hardware manufactured by ("FRAMEZ, ZEALCON" or approved equivalent) complete in all respects, and as per	12,175.00	Per/Sft	
15	N.S	sample approved by The Engineer. Providing and fixing imported Handle Locks with 3 keys, to wooden doors	1,176.00	Per/Sft	
16	N.S	(Hungry" or approved equivalent) complete in all respects, and as per sample approved by The Engineer. Providing and fixing M.S. Sheet hollow pressed 'frame of doors,	416.00	Per/Sft	
10	11.0	 '(Chowkhat only) of 16 SWG welded / supported with M.S. flat 1-1/4"x1/8" (7-Nos.) i/c screwed 4" (100mm) long iron hinges including fitting chowkhat with cement sand mortar 1:8 and embedding hold fast in cement concrete 1:2:4 complete in all respects, as approved and directed by The 			
17	N.S	Engineer. Providing and fixing M.S grill consisting of 1" x 1", 16-SWG M.S square	2,785.65	Per/Sft	
		pipe frame with 2 rows of horizontally & equal dividing panels vertically in the same frame and 1/2" M.S square bars 5" c/c welded to each an other & frame horizontally with 2 rows of equal dividing in three panels vertically as per approved drawing and design in windows i/c hold fast, grouting hold fast in cement concrete (1:2:4) and enamel painting 3-coats with one base coat of red oxide paint complete in all respect as approved and directed by The Engineer.	11,491.20	Per/Sft	
18	N.S	Providing and fixing all types of doubble glazed aluminium windows / ventilator of approved colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x 25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, (5 mm + 8 mm AGU+ 5 mm) imported tinted glass with rubber gasket using approved standard latches, wheel, stopper, brush chennel angle joint and hardware etc. complete in all respect. 2 mm thick	11,491.20	Per/Sft	
19	N.S	Providing and fixing stainless steel non-magnetic railing consisting of main pipe 2" dia 16 SWG imported (China) & 3' height balustrades @ 2' C/C	11,401.20		
		consisting of 1-1/2" to 2" wide and 3/16" thick 2-No stainless steel strips with studs i/c 3/4" dia 16 SWG 3-No stainless steel pipes longitudinally passing in between the strips of balustrades i/c bends, base plate etc with Bottom stainless steel "tiki" & cover, fixing with rowal bolt (3" to 21/2" long) i/c steel polishing etc complete in all respect as approved by the Engineer Incharge (All members will be of non magnetic).	640.50	Per/Rft	
20	N.S	Providing and fixing Kitchen Cabinets comprising of 3/4" thick MDF	040.30	Fei/Kit	
		Laminated (both sides laminated) for front shutter of approved colour and texture with kail wood frame (3"x1") and best quality hardware's (handles, locks, latches, Hinges & screws etc.) with deodar wood lipping(1/2"x3/4") and polishing / enamel painting, termite proofing including all type of labour, as shown on drawings complete in all respects as per sample approved by The Engineer. (Floor Mounted Cabinet)			
21	N.S	Providing and fixing Kitchen Cabinets comprising of 3/4" thick MDF	184.80	Per/Sft	
		Laminated (both sides laminated) for front shutter of approved colour and texture including ³ / ₄ " (20 mm) thick Vin Board Sheet boxing and hard board for back with kail wood frame (3"x1") and best quality hardware's (handles, locks, latches, Hinges & screws etc.) with deodar wood lipping(1/2"x3/4") and polishing / enamel painting, termite proofing including all type of labour, as shown on drawings complete in all respects as per sample approved by The Engineer. (Wall Mounted Cabinet)	134.40	Per/Sft	
22	N.S	Providing and Fixing Gypsum board 24"x24" false ceiling make DFB or Approved Equivalent with 10mm thinness with aluminum foil on the back of tile fixed on imported CKM Tees and Fittings and supported with local angle with G.I 16 Guage at appropriate distance <i>i</i> /c cost of hooks, clamps, appropriate and back the appropriate distance is all remote and			
23	N.S	carriage and labour charges at any height etc complete in all repect and as per satesfaction of The Engineer. Providing and Fixing Decorative Gypsum Board False-Ceiling (4'x8'x3/8")	54,356.40	Per/Sft	
		of approved design by The Engineer, including approved support and hanging system and all accessories by (Thermec or approved equivalent) and as per Specifications, as shown on drawing complete in all respect as per Manufacturer's instructions, including all strengthening and edge trimming for supports for light fittings, diffusers etc., and for making openings, complete including cleaning and finishing, as per sample			
24	N.S	approved by The Engineer. Providing and fixing Stone Texture Tile on facing of approved size color	6,075.30	Per/Sft	
		and shade laid over pre-plastered surface including setting the tiles with Bond (Stile, or approved equivalent) i/c filling joints with Grout (Stile, or approved equivalent) of matching color i/c cutting, leveling, washing, curing and cost of scaffolding fixing at any height in any floor, complete in all respect as per Specifications, as approved by The Engineer.			
25	N.S	Providing and Fixing Chicken Wire Mesh (12" Wide) for horizontal and	982.80	Per/Sft	
-		vertical joints of masonry and concrete with nails and screws i/c all cost of labour and material complete in all respects, as approved by The Engineer.	35,837.55	Per/Rft	
26	N.S	Providing and laying wall ties (anchor bars) 2/8"dia placed at horizontal and vertical spacing in cavity wall of any description in any floor at any height, and make joint b/w concrete and brick work i/c drilling hole in R.C.C columns tying with brick masonry wall , 3-#2 @ every 4th horizontal and vertical course complete in all respects as shown in drawings and			
27	N.S	approved by The Engineer. Providing and fixing Steel Lockers 2' deep consisting of M.S angle iron frame 1" x 1" x 1/8" with leaf frame of M.S angle iron 1" x 1" x 1/8" with M.S sheet of 20-SWG front shutter, top, bottom, left, right & back and best	22850.10	Each	
		quality hardware's (handles, locks, latches, Hinges & screws etc.) i/c welding charges with 3-coat of hammer paint, complete in all respect as approved by The Engineer.	330.75	Per/Sft	

28	N.S	Supply, provide and fix in position uPVC rain water down pipe lines conforming to ISO 3633:1991 and BS 3505 1968 (wall thickness 3.2mm) including proper joints complete in all respects, and system leak-free:			
		4" dia	1,411.20	Per/Rft	
29	N.S	Provide and fix uPVC plain bends with grating (as rain water inlets at roof), water tight connection leak-free:			
		4" dia	52.00	Each	
30	N.S	Provide and fix uPVC shoe bends (as rain water outlets), water tight connection leak-free			
		4" dia	52.00	Each	
		Total "B"(Schedule items) C/o to Summary of Cost:			
		Net Total (A+B)			

INTERNAL PUBLIC HEALTH WORK

Item No.	REF. Nos CH/ITEM	Description of Items	Qty	Unit	Rate (Rs.)	Amount (Rs
IRS,	1st BI-ANNU	AL-2021 (1st JANUARY-2021 to 30th JUNE -2021) DISTRICT BAHAWAL	PUR		1	
		Schedule Items (A)				
		Plumbing Fixtures				
1	Ch 19 item 17/P-113	Providing and fixing, chromimum plated toilet paper holder	92	Each		
2	Ch 19 item 18(i)/P-114	Providing and fixing, chromium plated towel rail:- i) 60 cm (24") long, and 2 cm (¾") dia	44			
3		Providing and fitting:-	44	Each		
4		iv) plastic shelf 60x13 cm (24"x5") with bracket and railing. Providing and fixing looking glass 55x40 cm (22"x16") size and 5 mm	20	Each		
5	19/P-114 Ch 19 item	thick, first quality. (For pedistal) Providing and fixing, chromium plated soap dish.	20	Each		
	15/P-113		84	Each		
otal	"A"(Schedule	e items) C/o to Summary of Cost:				
		Non Schedule Items (B)				
		Plumbing Fixtures				
1	NS	Providing and fixing European type ceramics ware coupled water closet, white / light colour, including 3 gallons cistern, P/S trap, C.P tee stop cock with wall cups, connection pipes, "Porta or Approved Equivalent", hinged double bacolite seat and cover of best quality, all joints to services and drains, plugging and screwing as necessary to the structure and make good the same, complete in all respect as per specifications and drawings.	52.00	Each		
2	NS	Providing and fixing European type ceramics ware coupled water closet, white / light colour, including 3 gallons cistern, P/S trap, C.P tee stop cock with wall cups, connection pipes, "Porta or Approved Equivalent", hinged double bacolite seat and cover of best quality, all joints to services and drains, plugging and screwing as necessary to the structure and make good the same, complete in all respect as per specifications and drawings.(for Disable)	8.00	Each		
3	NS	Providing and fixing Asiatic/Orissa pattern glazed earthern ware W.C with integral foot rest, white / light colour, with 3 gallons low level flushing tank system, 1-1/2" dia, PVC (D-type) flush pipe, "P" or "S" trap best quality "Porta or Approved Equivalent" make, C.P tee stop cock with wall cups, "SONEX", "MASTER" painted M.S. wall brackets with nuts and bolts, complete in all respect as per specifications and drawings.	32.00	Each		
4	NS	Providing and fixing wash hand basin vanity, white / light colour, C.P. tee stop cock with wall cups, "Porta or Approved Equivalent", waste couplien, plug with C.P. brass chain, 1-1/2" dia. P.V.C. (D-type) Waste pipe, connections to water lines, C.P. brass union, nuts, washers, C.P. grating including C.P. bottle trap etc.Complete in all respect as per specifications and drawings.	64.00	Each		
5	NS	Providing,Installing and fixing wash hand basin Padestal type "Porta or Approved Equivalent" with waste coupling ,cp nozzle & which includes but not limited to fixing, connection pipes, connections to water lines,C.P. brass union, nuts, washers, etc. complete in all respect as per specifications and drawings and as directed by the Engineer.	12.00	Each		
6	NS	Providing,Installing and fixing wash hand basin Padestal type "Porta or Approved Equivalent" with waste coupling ,cp nozzle & which includes but not limited to fixing, connection pipes, connections to water lines,C.P. brass union, nuts, washers, etc. complete in all respect as per specifications and drawings and as directed by the Engineer.(for Disable)	8.00	Each		
7	NS	Providing and fixing stainless steel kitchen sink of 20 gauge of "Porta or Approved Equivalent" including, brackets, screws,15 mm dia. C.P. brass T. stop cocks of Master, Sonix, 40 mm dia heavy duty waste coupling and PVC flexible waste pipe of approved make and quality complete all respects.	8.00	Each		
8	NS	Providing and fixing C.P. Muslim Shower with double bib cock of best quality, with C.P. flexible pipe of "Porta or Approved Equivalent", complete				
9	NS	in all respect as per specifications and drawings. Providing and fixing 15 mm dia C.P. mixer with C.P pipe 15 mm dia, of "Porta or Approved Equivalent", Porta or approved equal complete including pipe connections, all fittings, testing etc.	92.00	Each		
		a) Wash basin mixer	84.00	Each		ļ
		b) Sink mixer	8.00	Each		
		c) Ablution Double bib cock	16.00	Each		
10	NS	Providing and fixing best quality distortion free imported Belgium glass (beveled) mirrors 5mm thick with hard board backing, chromium plated screws/brackets, complete in all respects as per specifications and drawings.(for vanity)	320.00	Sft		
		Water Supply System		0		

11	NS	Providing, fixing, jointing and testing Polypropylene Random (PPR) pipes, VODA PIPES/(Polydex by DADEX) or approved equivalent, pressure pipe for cold/hot water as per DIN 8077-8078,PN-20 for pipes and DIN 16962,PN-25 for fittings (polyfusion welded joints) inside building including fittings and specials (sockets, tees, elbows, bends, crosses, reducers, adaptor, plugs and union etc.) supported on walls or suspended from roof slab or run in chases including pipe hangers, supports, cutting and making good the chases and holes, complete in all respects.			
		25mm dia	715	Rft	
		32mm dia	902	Rft	
		40mm dia 50mm dia	627 193	Rft Rft	
12	NS	Providing and installing ball valves of following nominal dia, Scon/Kitz	195		
		make or approved Equaivalent, including jointing, fitting, painting, testing, complete in all respects to match with PPR and PE pipes of following diameters.			
		25 mm	0	Nos.	
		32 mm	16	Nos.	
		40 mm 50 mm	16 0	Nos. Nos.	
		Sewerage System	0	1105.	
13	NS	Providing, laying, fixing and testing uPVC Nicasi soil, waste, vent and rain water as per ISO 3633:1991 or equivalent BS specifications including uPVC fittings with solvent cement jointing or rubber ring joints,VODA PIPES/DADEX Or Approved Equivalent make as approved by the Engineer complete in all respects, including clamps, bends, tees, Y-tees, cowls, reducers, sleeves, clean out, waterproof sleeves, roof drain, etc., embedded in floors and walls, clamped to walls, suspended from slab (common hanger shall be used for pipe hanging and fiber glass tray under pipes), painted MS horizontal and vertical pipe hangers of approved design making requisite no. of holes and making good the same complete in all respect as per specifications and drawings.			
		2" i.d	1,020	Rft	
		3" i.d	1,791	Rft	
		4" i.d	2,522	Rft	
14	NS	Providing, fixing, cutting, jointing and testing uPVC Vent Cowel on Vent Pipes with solvent cement jointing, VODA PIPES/DADEX or approved equivalent, rates include cost of cutting & pipe fittings of the following diameter:			
		2" i.d	48.00	Nos	
15	NS	Providing, laying, fixing and testing floor drain (multifloor trap) uPVC including extension grating and stainless steel cover grating best quality local make Porta or Approved Equivalent as approved Engineer, complete in all respect as per specifications and drawings.	160.00	Nos.	
16	NS	Providing and fixing clean out with threads ferule fixed in pipe with the help of solvent, as shown on drawing, complete in all respects as per specifications and drawings.			
		3" i.d 4" i.d	50.00 28.00	Nos.	
17	NS	Providing and making top khurra/R.W.C.B using 3" thick plain cement concrete 1:2:4 matching with roof tiles with steel trowel finishing at desired level including curing, finishing, complete in all respect as per specifications and drawings.		Nos.	
		i) 1'x1'.	22.00	Nos.	
		ii) 2'x2'. Gas Supply System	24.00	Nos.	
18	NS	Providing, laying, fixing, testing (at 90 psi) and disinfecting, galvanized iron pipelines for sui gas supply of "Jamal pipe Or Approved Equivalent", as per BSS 1387 medium quality, "IIL", and "KPM" as approved by the Engineer complete in all respects to their entire satisfaction, including specials such as tee, cross, reducer, bend, union, elbow, plug, socket etc., supported on walls or suspended from slab, including painted MS horizontal and vertical pipe hangers of approved design, supports, cutting and making good the same as necessary to the structure including two layers of anticorrosive bitumen tape overlapped 6mm at edges to all buried pipes, complete in all respect as per specifications and drawings.			
		3/4" i.d	230	Rft	
19	NS	Providing and installing ball valves of following nominal dia, Kitz make, including jointing, fitting, painting, testing, complete in all respects to match with following G.I pipe diameters.			
		3/4" i.d	8.00	No.	
20		Fire Extinguisher System Providing, fixing, testing fire existuishers of following type, complete in all respects as per design drawings and as per satisfaction of the Engineer incharge			
20.1	NS	Dry Chemical Powder Type Fire Extinguisher			
20.2	NS	Portable 4 kg ABC Powder Model PD4D CO2 Type Fire Extinguisher Portable 5 kg CO2 Model CD5D	32.00	Each	
00.5	110		32.00	Each	
20.3	NS	Fire Exit Lights Ceiling Mounted (Self Contained)	66.00	Each	
Total "	B"(Schodula	e items) C/o to Summary of Cost :			
	tal (A+B) :	, teme, are to duminary or doat .			
	· · · · · / ·				

Iten No.	REF. Nos CH/ITEM	Description of Items	Qty	Unit	Rate (Rs.)	Amount (Rs.)
MRS	, 1st BI-ANNU	AL-2021 (1st JANUARY-2021 to 30th JUNE -2021) DISTRICT BAHAWAL	PUR			
		Schedule Items (A)				
		Plumbing Fixtures				
		Water Supply System (For Pipe Line)				

1	Ch.3 Item 44/P-33	Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft. (1.5 m) depth **8.1 after laying of pipe line, which is from ground level, including trimming, dressing sides, payable separately. leveling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects.	8281	1000 Cft	
		Gas Supply System (For Pipe Line)	0201	1000 Cit	
2	Ch.3 Item 44/P-33	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) b) in ordinary soil.	5150	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:- (FOR PIPES)			
3	Ch 3 item 42(i)/P-32	i) 0 ft. to 7.0 ft. (0 to 2.10 m) depth	10359	1000 Cft	
4	Ch 7 item 30/P-56	Supplying and filling sand under floor; or plugging in wells	1011	1000 Cft	
	30/F-30	Septic Tank (2 Nos.)	1011	100 Cit	
5	Ch.3 Item 42(i)/P-32	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- i) 0 ft. to 7.0 ft. (0 to 2.10 m) depth	847	1000 Cft	
6	Ch.3 Item	ii) 7-01 ft. to 15.0 ft. (2.15 to 4.5 m) depth			
7	42(ii)/P-32 Ch.6	Cement concrete plain including placing compacting, finishing and	363	1000 Cft	
		curingcomplete (including screening and washing of stone aggregate): Nominal mix (1: 4: 8) having minimum 1500 Psi cylindrical compressive strength at 28 day	40	100 Cft	
8	Ch.6 item 6a(ii)2 /P-42	Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened surface smooth, and the plastering graded and washed aggregate, in required shape and design, done for making up all surfaces including forms, moulds, shuttering, lifting, compacting, after removing centring. curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a)(ii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in $5(a)$ (i) above not requiring form work (i.e. horizental shuttering) complete in all respects:- (2) Type B (nominal mix 1: $1\frac{1}{2}$: 3) having minimum 3000 Psi cylindrical compressive strength at 28 days.			
	Oh C item		438	Per Cft	
9		(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:- (2) Type B (nominal mix 1: 11/2: 3) having minimum 3000 Psi cylindrical compressive strength at 28 days.	85	Per Cft	
10	Ch.6 Item 9(c)/P-44	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and chairs, etc.and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- ('c) Deformed bars (Grade-60)			
11	Ch 21 Item, 15-A/P-124	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	1465	100 Kg	
12	Ch 6 Item	Standard Drawing STD/PD No. 6, of 1977, complete in all respect. Providing embeding 10" (250 mm) wide ¼" (6 mm) thick rubber water	4	Per Set	
	28/P-46	stopper in expansion joints of R.C.C. roof slab complete in all respects.	54	Rft	
13	Ch.13 Item	Bitumen coating to plastered or cement concrete surface			
	9/P-87	(i) 20 lbs. per 100 sft.	270	100 Sft	
14	Ch 10 Item 39/P-70	Mosaic dado or skirting with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over ½"(13 mm) thick cement plaster 1:3, including rubbing and polishing, complete with finishing:			
		(a) using grey cement: i) 3/8"(10 mm) thick	556	100 Sft	
15	Ch 21 item	Gully Trap Constructing gully grating chamber,12"x12", (300x300 mm) complete in all			
	7(b)/P-123	respects: b) concrete Gully trap.	20	Each	
Total '	"A"(Schedule	e items) C/o to Summary of Cost:	I		
		<u>Non Schedule Items (B)</u> Water Supply System			
1	NS	Providing, fixing, jointing and testing Polypropylene Random (PPR) pipes, VODA PIPES/(Polydex by DADEX) or approved equivalent, pressure pipe for cold/hot water as per DIN 8077-8078,PN-20 for pipes and DIN 16962,PN-25 for fittings (polyfusion welded joints) inside building including fittings and specials (sockets, tees, elbows, bends, crosses, reducers, adaptor, plugs and union etc.) supported on walls or suspended from roof slab or run in chases including pipe hangers, supports, cutting and making good the chases and holes, complete in all respects.			
2	NS	63mm dia Providing and installing ball valves of following nominal dia, Scon/Kitz make or approved Equaivalent, including jointing, fitting, painting, testing, complete in all respects to match with PPR and PE pipes of following diameters.	2,070	Rft	
		63 mm Sewerage System	1	Nos.	
3	NS	Providing and fixing 1" malleable dia cast iron step, in Under ground tank			
		, manhole, including carriage and setting the same in work to correct lines and levels.(for tanks)	28	Nos.	

4	NS	Providing, laying, fixing and testing uPVC Nicasi soil, waste, vent and rain water as per ISO 3633:1991 or equivalent BS specifications including uPVC fittings with solvent cement jointing or rubber ring joints,VODA PIPES/DADEX Or Approved Equivalent make as approved by the Engineer complete in all respects, including clamps, bends, tees, Y-tees, cowls, reducers, sleeves, clean out, waterproof sleeves, roof drain, etc., embedded in floors and walls, clamped to walls, suspended from slab (common hanger shall be used for pipe hanging and fiber glass tray under pipes), painted MS horizontal and vertical pipe hangers of approved design making requisite no. of holes and making good the same complete in all respect as per specifications and drawings.			
		6" i.d	949	Rft	
		8" i.d	583	Rft	
5	NS	Providing and constructing 2'x2' manhole with brick work including excavation, backfilling, RCC work PCC 1:2:4 cambering, plastering in 1:4 inside & outside, water proofing etc., upto 6' depth and size including ladder top slab, 18" heavy duty C.I. Manhole cover with frame "ALPINE INDUSTRIAL CON", "CME", "NPC SUPER" as shown on the drawings, complete in all respect as per specifications and drawings.	30.00	Nos.	
		Gas Supply System			
6	NS	Providing, laying, fixing, testing (at 90 psi) and disinfecting, galvanized iron pipelines for sui gas supply of "Jamal pipe Or Approved Equivalent", as per BSS 1387 medium quality, "IIL", and "KPM" as approved by the Engineer complete in all respects to their entire satisfaction, including specials such as tee, cross, reducer, bend, union, elbow, plug, socket etc., supported on walls or suspended from slab, including painted MS horizontal and vertical pipe hangers of approved design, supports, cutting and making good the same as necessary to the structure including two layers of anticorrosive bitumen tape overlapped 6mm at edges to all buried pipes, complete in all respect as per specifications and drawings.			
		3/4" i.d	1,288	Rft	
7	NS	Providing and installing ball valves of following nominal dia, Kitz make, including jointing, fitting, painting, testing, complete in all respects to match with following G.I pipe diameters.			
		3/4" i.d	1.00	No.	
8	NS	Providing, fixing & testing Gas meter as per Sui Northern gas with All Accessories.complete in all respect as per drawings,Specification & Engineer In Charge.	1.00	No.	
		Ile items) C/o to Summary of Cost :			
et i ot	al (A+B) :	1	I		

ltem No.	REF. Nos CH/ITEM	Description of Items	Qty	Unit	Rate (Rs.)	Amount (Rs.)
MRS, '	1st BI-ANNU	AL-2021 (1st JANUARY-2021 to 30th JUNE -2021) DISTRICT BAHAWAL	PUR			
		SCHEDULE ITEM-A				
		Internal Electrification				
A.01		Light Circuits				
		Supply, installation and commissioning of light circuit wiring, to be wired with 3x2.5mm sq. (1P+1N+1PE) PVC insulated 300/500 V grade wire make Pakistan Cable, Newage,Fast Cables, in and including cost of 1" dia. heavy duty PVC conduit make Beta, Popular recessed in , walls, Roof slab, or on surface or above false ceiling or as required as per site conditions, all PVC conduit accessories, pull boxes, steel pull wires, complete in all respects. Each circuit shall have independent PE.				
		Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 2.5 mm (7/0.029")				
		, , , , , , , , , , , , , , , , , , ,	13,950.00	Rft		
		Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, etc, complete with all specials ii) Cost of 25mm	3,487.50	Rft		
A.02		UPS Light Circuits	5,407.50	KIL		
		Supply, installation and commissioning of UPS light circuit wiring, to be wired with 1x2.5mm sq. (1UPS) PVC insulated 300/500 V grade wire make Pakistan Cable, Newage,Fast Cables, in pre installed 1" dia. heavy duty PVC conduit make Beta , Popular recessed in , walls, Roof slab, or on surface or above false ceiling or as required as per site conditions, all PVC conduit accessories, pull boxes, steel pull wires , complete in all respects				
	CH: 24 Item 10 (a)-iii P- 144	Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe/wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 2.5 mm (7/0.029")	3.750.00	Rft		
A.03		1-Light Point Controlled By One Switch	0,700.00	144		
	CH: 24 Item	Wiring of one light point controlled by one switch and wired with 3x1.5 mm sq. (P+N+PE) PVC insulated wires 300/500 V. grade makePakistan Cable, Newage,Fast Cables, in and including cost of 3/4" dia. heavy duty PVC conduit make Beta , Popular installed on RCC slab, above false ceiling, recessed in wall, columns slabs or above light carrier all PVC conduit accessories, 3" high PVC junction boxes, pull boxes, steel pull wires, PVC flexiable conduit from ceiling junction box to light fixture flush type plate switches, including cost of back boxes and switches of 10 Amps. Supply and erection of single core PVC insulated copper conductor cables				
		in prelaid PVC pipe/M.S conduit G.I pipe/wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 1.5 mm (3/0.029")	44,450.00	Rft		

	CI II 24 Itom	Supply and areation of DVC nine for wiring reasoned in well including			 1
	CH: 24 Item 3 (ii) P-143	inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, etc, complete with all specials ii) Cost of 20mm	14,816.67	Rft	
A.04		Point -Point Wiring Same as per item No. A.03 but Loop wiring of a light point from first light			
	CH: 24 Item	point on same switch circuit, complete in all respects. Supply and erection of single core PVC insulated copper conductor cables			
	10 (a)-i P- 144	in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only)			
		i) Cost of 1x 1.5 mm (3/0.029")	62,195.00	Rft	
	CH: 24 Item 3 (ii) P-143	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jharries, and repairing surface,			
		etc, complete with all specials ii) Cost of 20mm	20,731.67	Rft	
A.05		Exhaust Fan Point Same as Item No. A.03 mentioned above but wiring of exhaust fan point			
		including cost of 10 Amp switch with M.S box 16 SWG with earth terminal.			
	CH: 24 Item 10 (a)-i P-	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			
	144	casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 1.5 mm (3/0.029")			
	CH: 24 Item	Supply and erection of PVC pipe for wiring recessed in wall including	4,000.00	Rft	
	3 (ii) P-143	inspection boxes pull boxes, hooks, cutting harries, and repairing surface, etc, complete with all specials			
		ii) Cost of 20mm	1,333.33	Rft	
A.06		Ceiling Fan Point Same as Item No. A.03 mentioned above but wiring of Ceiling fan point			
		including cost of 10 Amp switch with M.S box 16 SWG with earth terminal.			
	CH: 24 Item 10 (a)-i P-	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			
	144	casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 1.5 mm (3/0.029")			
	CH: 24 Item	Supply and erection of PVC pipe for wiring recessed in wall including	23,880.00	Rft	
	3 (ii) P-143	inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, etc, complete with all specials			
A.07		ii) Cost of 20mm Wall Bracket Fan	7,960.00	Rft	
		Same as Item No. A.03 mentioned above but wiring of Wall Bracket fan point including cost of 10 Amp switch with M.S box 16 SWG with earth			
	CH: 24 Item	terminal. Supply and erection of single core PVC insulated copper conductor cables			
	10 (a)-i P- 144	in prelaid PVC pipe/M.S conduit G.I pipe/wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 1.5 mm (3/0.029")			
	CH: 24 Item	Supply and erection of PVC pipe for wiring recessed in wall including	360.00	Rft	
	3 (ii) P-143	inspection boxes pull boxes, hooks, cutting harries, and repairing surface, etc, complete with all specials			
A.08		ii) Cost of 20mm 1-13 Amps Switch Socket	120.00	Rft	
		Supply and wiring of one 3pin 13 Amps light plug socket outlet point from distribution board with single core 2x4mm2(P+N) PVC insulated 300/500			
		volt grade cable in & including PVC conduit recessed in walls/R.C.C. slab, or installed on surface of Ceiling, all conduits accessories, junction boxes,			
		pull boxes etc. 2.5mm2 cable as PC excluding cost of 3 pin 13 Amps			
		switch & socket outlet make CLIPSAL, Legrand , ABB or approved equivalent installed on & including 16 SWG sheet steel board recessed in			
		walls complete in all respects and as per specifications & drawings.			
	CH: 24 Item 10 (a)-iv P-	in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden			
	144	casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 4 mm (7/0.036")	04.040.00		
	CH: 24 Item	Supply and erection of single core PVC insulated copper conductor cables	24,840.00	Rft	
	10 (a)-iii P- 144	in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only)			
		i) Cost of 1x 2.5 mm (7/0.029")	8,280.00	Rft	
	CH: 24 Item 3 (iii) P-143				
		etc, complete with all specials ii) Cost of 25mm	8,280.00	Rft	
A.09		Loop-Loop- 13 Amps Switch Socket Same as item No.A.12 above but loop wiring of 13A power socket outlet			
		with 2x4mm2(P+N) & 1x2.5mm2 as CPC from point to point excluding cost of one 15A 3 pin switch socket outlets with make CLIPSAL, Legrand,			
		ABB or approved equivalent installed on & including 16 SWG sheet steel boards recessed in walls /columns.			
	CH: 24 Item 10 (a)-iv P-				
	10 (a)-iv P- 144	casing and capping/G.I wire/trenches (rate for cables only)			
	CH: 04 H	i) Cost of 1x 4 mm (7/0.036")	7,980.00	Rft	
	CH: 24 Item 10 (a)-iii P-	in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden			
	144	casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 2.5 mm (7/0.029")	2 660 00	57	
	CH: 24 Item	11 0 0	2,660.00	Rft	
	3 (iii) P-143	etc, complete with all specials	2 000 00		
A.10		ii) Cost of 25mm Loop-Loop- 5 Amps Switch Socket	2,660.00	Rft	

		Same as item No.A.12 above but loop wiring of 5A power socket outlet with 2x4mm2(P+N) & 1x2.5mm2 as CPC from point to point excluding cost of one 15A 3 pin switch socket outlets with make CLIPSAL, Legrand, ABB or approved equivalent installed on & including 16 SWG sheet steel boards recessed in walls /columns.			
	CH: 24 Item 10 (a)-iv P- 144		21,000.00	Rft	
	CH: 24 Item 10 (a)-iii P- 144	Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 2.5 mm (7/0.029")	7,000.00	Rft	
	CH: 24 Item 3 (iii) P-143		7,000.00	Rft	
A.11		1-15 Amps Switch Socket	1,000.00		
		Supply and wiring of one 3pin 15 Amps Power plug socket outlet point from distribution board with single core 2x4mm2 (P+N) PVC insulated 300/500 volt grade cable in & including PVC conduit recessed in walls/R.C.C. slab, or installed on surface of Ceiling including all conduits accessories, junction boxes, pull boxes etc. 4mm2 cable as PC including cost of 3 pin 20 Amps switch & socket out let make CLIPSAL, Legrand, ABB or approved equivalent installed on & including 16 SWG sheet steel board recessed in walls complete in all respects and as per specifications & drawings.			
	CH: 24 Item 10 (a)-iv P- 144	Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 4 mm (7/0.036")	1,350.00	Rft	
	CH: 24 Item 10 (a)-iii P- 144	Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 2.5 mm (7/0.029")	150.00	Dft	
	CH: 24 Item 3 (iii) P-143	inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, etc, complete with all specials	450.00	Rft	
A.12		ii) Cost of 25mm Power Cables and PVC Conduit	450.00	Rft	
		L.T. Power Cables Supply at site, installation, testing and commissioning of PVC insulated armoured copper conductor cable 600 / 1000 Volt grade in prelaid conduits / trenches to be installed as per routes shown on drawings			
		including cost of all necessary materials, connections, identification tags, cables lugs properly crimped at both ends for the following sizes complete in all respects. Actual length of cables to be installed shall be practically measured at site by the Contractor, duly authenticated by the employers electrical engineer before placing the order with the manufacturer, however, approximate length of cables are shown herewith. Payments shall be made as per actual length installed.make Pakistan Cable, Newage Cable, Fast Cable or eqv			
a)		PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable,			
i)	CH: 24 Item	armoured with G.I. wire 16 SWG. 1 core 185mm sq. (37/0.103") cable from MPB to MPB-E			
ii)	12-vii P-145 CH: 24 Item 13 (c)-vii P- 145	4 core 25mm sq. cable from Meter Panel Board to DBs.	360.00 1,310.00	Rft Rft	
iii)	CH: 24 Item 13(c)-vi P- 146		1,570.00	Rft	
b)		single core PVC insulated, PVC sheathed copper conductor, 660/1100 volts grade cable Circuit Protective Conductor (CPC)			
i)	CH: 24 Item 12 (iv) P-145	1 core 70mm sq.	360.00	D#	
ii)	CH: 24 Item 12 (i) P-145	1 core 16mm sq.	1,310.00	Rft Rft	
iii)	CH: 24 Item 11 (v) P-144	1 core 6mm sq.	1,570.00	Rft	
A.13		PVC Conduit Supply at site of PVC conduit heavy duty to be concealed in RCC slabs, walls, floor, columns above false ceiling or as required as per site conditions including cost of all PVC conduit accessories, steel pull wires, complete in all respects.	1,010.00		
i)	CH: 24 Item 6 (i) P-143	2" DIA PVC Conduit	600.00	Rft	
ii)	CH: 24 Item 3(iii) P-143	25 mm i/d	400.00	Rft	
		Total "A"(Schedule items) C/o to Summary of Cost: NON SCHEDULE ITEM-B			
B.01 i	Appendix ' c' Page No-1	Switch & Sockets.	20.00	Each	
ii	Appendix ' c' Page No-2	Providing and fixing of 4 gang switch 10 Amp with back box (6"x3"). Make Clipsal Austrila, Philips or eqv.			
iii	•	Providing and fixing of 6 gang switch 10 Amp with back box (6"x3"). Make	142.00	Each	
iv	Appendix ' c' Page No-4	Providing and fixing of 8 gang switch 10 Amp with back box (6"x3"). Make Clipsal Austrila, Philips or eqv.	50.00	Each	

v	Appendix ' c'	Providing and Fixing of Switched Socket 5 Amp with back box (3"x3").			
	Page No-5	Make Clipsal Austrila, Philips or eqv.	600.00	Each	
vi		Providing and Fixing of Universal Switched Socket 13 Amp with back box (3"x3"). Make Clipsal Austrila, Philips or eqv.	504.00	F ach	
vii		Providing and Fixing of Universal Switched Socket 20 Amp with back box	504.00	Each	
	Page No-7	(3"x3"). Make Clipsal Austrila, Philips or eqv.	15.00	Each	
B.02		Fitting and Fixtures. Incandescent Fittings			
		Supply, instalation, testing and commissioning of LED road light with imported chip , campitble imported driver with IP 66 rating , built in			
		Aluminium Alloy + lens housing , input voltage AC 85-285V Frequency 50-60 Hz , beam angle 140° LED Life span 60000 Hours, colour Warm white			
		3000K ,as per specifications and to the approval of the Consultant/ The Engineer, Make Philips, SunLight, Lumilux eqv.			
i)		Supply & installation of LED 17W Down Light (6" Surface Mounted,			
	Page No-o	220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Meson or Equivalent)	1,696.00	Nos.	
ii)		Supply & installation of LED 2'x 2' Ceilling Panel Light 36W (220V~, CW or WW) i/c any accessories required at site. Complete in all respect as	1,000.00	1103.	
	Tage No-51	directed and approved by the Engineer Incharge (Philips 36S/865 PSU W60L60 GM G2 or Equivalent)	874.00	No	
iii)		Supply, Installation and connection of LED Search light (100W, 240~, Day light) i/c PVC wire connector 16A and any accessories (i.e. screw. Rawl			
	r uge No oo	plug or steel nail, etc.) at site. Complete in all as approved by the Engineer incharge. (Osaka-E018E or equivalent).	8.00	No	
iv)		Supply and installation of outdoor LED Bollard Light 12 Watt, complete with all necessary materials / accessories, complete in all respects			
V)		Supply and installation of outdoor LED Garden Light Warm 05 Watt,	36.00	No	
		complete with all necessary materials / accessories, complete in all respects	57.00	Nos.	
B.03		Exhaust Fans Supply, installation and commissioning of Exhaust Fans of following sizes			
		Matlic body, louvers, all necessary fixing accessories, make Lahore Fan, PAK Fan , GFC Fan complete in all respects.			
a)	Appendix ' c' Page No-12	12" dia (Plastic Body).	100.00	NI-	
B.04	A	Ceiling Fan	100.00	No	
i)		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	Nos.	
ii)		Supply & installation of Ceiling Fans, 56" sweep (As per "Pakistan Energy	197.00	1105.	
	Fage NO-15	Lable" certified manufacturers) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	197.00	Nos.	
		TOTAL AMOUNT - Part - B (PKR) (CARRIED FORWARD TO SUMMARY)	101.00	1100.	
iii)	Appendix ' c' Page No-9	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)	400.00	Nos.	
B.05	Appendix ' c'	Wall Bracket Fan Supply & installation of Wall Bracket Fan 18" (99.99% Copper) i/c any			
		accessories (i.e. mounting screws & etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Younis,			
B.06		Tamoor, Pakfan or Equivalent) L.T. Switchgear	8.00	Nos.	
		Main Panel Board-WAPDA Fabrication, supply at site, installation at designated location, testing and			
		commissioning of Main Panel Board (MPB) comprising of cubicles, frame made of sheet steel 12 SWG and doors of 14 SWG, with flexible earthing			
		straps, degreased and de-rusted, finished with electro-static powder coating of 50 micron thickness in approved color, panel housing to comply			
		with protection class IP-54, indoor floor mounting, in free standing design, with hinged door, lockable handle, all auxiliaries, internal wiring,			
		designation labels on MCCBs, earthing bar, numbering beads on the control wires, panel suitable for system Voltage 415 V, 50 Hz, 3 Phase			
		and neutral, bus bars of 99.8% purity electrolytic copper, including cost of cable termination lugs, brass cable glands for incoming & outgoing cables,			
		wiring from breakers, indication lamps, instruments and control all accessories complete in all respects.			
		All incoming and outgoing breakers shall be accessible by opening the			
		front door having additional M.S. sheet cover. Gaskets shall also be provided where necessary. All MCCBs shall be suitable to operate without			
		any de-rating at 50°C ambient temperature and shall be of one make only and not a mixture of more than one make. The front and back sides of			
		MPB shall also have louvers at bottom and sides of panel for hot air exhaust. The panel shall have a front access. Circuits layout shall			
		conform to the single line diagrams. Main Panel Board shall be manufactured by PEL, Technobuild, Ibbad Switchgear or Eqv.			
		Incoming From WAPDA			
		1- 2500 Amps 3 pole Motorized Air Circuit Breaker (ACB) with adjustable overload and short circuit protection RC: 47 KA with Electronic Protection Unit, Aux Contact = 4No + 4NC.			
		Copper Bus Bars of electrolytic copper 99.9% size not less than 2x120x10mm for each phase and neutral (3P+N) on incoming side of breaker of facilitate connection cables.			
		Main copper bus bars of electrolytic copper 99.9% size not less than 2x120mm x 10mm for each phase and neutral (3P+N) + 120mm x 10mm for earth.			

		3-Air cooled ring type current transformer ratio 2500/5 Amps having suitable output and accuracy.					
		3-Digital Ammeter scaled 0-2500 Amps of appropriate size.					
		3-Digital Voltmeter scaled 0-500 Volts.					
		3-Phase indication lamps of colour Red, Yellow, Blue.					
		2-Breaker ON-OFF indication lamp.					
		1- Surge Protective Device (SPD) arrestor 45 KA class:1 make Phoenix / ABB/ Iskra or approved equivalent.					
		1- Energy analyzer make Smart controller type X - 485.					
		Brass Cable Glands					
		As per SLD					
		Earthing Bar and Earth Terminal					
		Earthing bar with necessary punched holes, nuts, bolts and washers, etc.					
		Earthing terminals, all earth leads to have green base with yellow strip.					
		Exhaust Fan					
		Each cubicle to have 2 thermostatically controlled 230 Volts robust exhaust fans 6"/8" dia. to be installed on back side or on top of MPB for hot air exhaust, including cost of thermostat ON/OFF switches wire mesh, cleanable filter and all necessary accessories / wiring, complete in all respects.					
		Tube Light					
		Each cubicle to have a tube light of 2 ft. rod to be installed inside the cubicle alongwith micro switch on each door.					
		Outgoing					
		1- 2000 Amps 3 pole Motorized Air Circuit Breaker (ACB) with adjustable overload and short circuit protection RC: 47 KA with Electronic Protection Unit, Aux Contact = 4No + 4NC.					
		1- 1000 Amps 3 pole Adjustable Moulded Case Circuit Breaker (MCCB) RC=> 25 KA					
		1- 100 Amps 3 pole Moulded Case Circuit Breaker (MCCB) RC=> 16 KA					
		Spaces for installation of MCCBs of rating 60/125 ATP in future but EXCLUDING the cost of MCCBs.	1.00		Fach		
B.07		Main Panel Board- Emergency (MPB-E) Conforming to same constructional specifications as per item No. 1.02	1.00	,	Each		
		mentioned above but equipped with the following:					
		Incoming					
		2- 1000 Amps 3 pole Adjustable Moulded Case Circuit Breaker (MCCB) RC=> 25 KA. Both are Electrical & Mechinical Interlocking System					
		Copper Bus Bars of electrolytic copper 99.9% size not less than 80x10mm for each phase and neutral (3P+N) on incoming side of breaker of facilitate connection cables.					
		Main copper bus bars of electrolytic copper 99.9% size not less than 80 mm x 10mm for each phase and neutral (3P+N) + 40mm x 10mm for earth.					
		3-Air cooled ring type current transformer ratio 1000/5 Amps having suitable output and accuracy.					
		3-Digital Ammeter scaled 0-1000 Amps of appropriate size.					
		3-Digital Voltmeter scaled 0-500 Volts.					
		3-Phase indication lamps of colour Red, Yellow, Blue.					
		2-Breaker ON-OFF indication lamp.					
		2- Energy analyzer make Smart controller type X - 485.					
		Brass Cable Glands					
		As per SLD					
		Earthing Bar and Earth Terminal					
		Earthing bar with necessary punched holes, nuts, bolts and washers, etc.					
1	1	I		I	l	l	I

1	Earthing terminals, all earth leads to have green base with yellow strip.			1	
	Exhaust Fan				
	Each cubicle to have 2 thermostatically controlled 230 Volts robust exhaust fans 6"/8" dia. to be installed on back side or on top of MPB for hot air exhaust, including cost of thermostat ON/OFF switches wire mesh, cleanable filter and all necessary accessories / wiring, complete in all				
	respects. Tube Light				
	Each cubicle to have a tube light of 2 ft. rod to be installed inside the cubicle alongwith micro switch on each door.				
	Outgoing				
	26- 50 / 60 / 75 / 100 Amps 3 pole Moulded Case Circuit Breaker (MCCB) RC=> 16 KA				
	 Spaces for installation of MCCBs of rating 60/125 ATP in future but EXCLUDING the cost of MCCBs.	1.00	Each		
5.08	Distribution Board (DBL1-GF,DBL2-GF,DBL4-GF,DBL5-GF,DBL1-1F,DBL2-1F,DBL4- 1F,DBL5-1F)	1.00	Each		
	Fabrication, supply at site, installation, testing, commissioning and connections of wires / cables of Distribution Boards "Light / Power" concealed / open type to be installed as and where shown on drawing, made of MS sheet 16 SWG degreased and derusted, zinc phosphated, finished with electro-static powder coating of 50 micron thickness in approved colour, DB housing to comply with protection class IP-44 with bisered dead for the state to be the state				
	hinged door, flexible earthing strap lockable handle, catcher, earthing bar, neutral strip, internal wiring from MCBs terminating on cable terminal blocks, including cost of all necessary materials complete in all respects. DBs shall be manufactured by PEL, Technobuild, Ibbad Switchgear or Eqv.				
	Incoming 1- 50 Amps 3 pole Moulded Case Circuit Breaker (MCCB) RC: 16 KA.				
	Outgoing				
	18- 10 Amps Single Pole MCB RC: 6 KA				
	Incoming From UPS 1- 30 Amps 3 pole Moulded Case Circuit Breaker (MCCB) RC: 16 KA.				
	Outgoing				
	11- 10 Amps Single Pole MCB RC: 6 KA1- Internal power wiring, and control wiring, thimbles, tie, and cable tray.				
	Backled & safety sheet for live equipment. Provision of spaces for future MCB's of rating 10 Amps but EXCLUDING				
	 the cost of breakers.	8	No.		
.09	(DBL3-GF,DBL3-1F) Conforming to same constructional specifications as per item No. B.14 mentioned above but equipped with the following:				
	Incoming				
	1-50 Amps 3 pole Moulded Case Circuit Breaker (MCCB) RC: 16 KA.				
	Outgoing				
	21- 10 Amps Single Pole MCB RC: 6 KA				
	Incoming From UPS				
	1- 30 Amps 3 pole Moulded Case Circuit Breaker (MCCB) RC: 16 KA.				
	Outgoing				
	11- 10 Amps Single Pole MCB RC: 6 KA				
	1- Internal power wiring, and control wiring, thimbles, tie, and cable tray. Backled & safety sheet for live equipment.				
	 Provision of spaces for future MCB's of rating 10 Amps but EXCLUDING the cost of breakers.	2	N1.		
3.10	(DBP1-GF,DBP2-GF,DBP4-GF,DBP5-GF,DBP1-1F,DBP2-1F,DBP4-	۷	No.		
	1F,DBP5-1F) Conforming to same constructional specifications as per item No. B.14 mentioned above but equipped with the following: I ncoming				

		1-75 Amps 3 pole Moulded Case Circuit Breaker (MCCB) RC: 16 KA.			
		Outgoing			
		33- 16/20 Amps Single Pole MCB RC: 6 KA			
		1- Internal power wiring, and control wiring, thimbles, tie, and cable tray.			
		Backled & safety sheet for live equipment.			
		Provision of spaces for future MCB's of rating 10 Amps but EXCLUDING the cost of breakers.	8	No.	
B.11		(DBP3-GF,DBP3-1F) Conforming to same constructional specifications as per item No. B.14			
		Incoming			
		1- 60 Amps 3 pole Moulded Case Circuit Breaker (MCCB) RC: 16 KA.			
		Outgoing			
		21- 16/20 Amps Single Pole MCB RC: 6 KA			
		1- Internal power wiring, and control wiring, thimbles, tie, and cable tray.			
		Backled & safety sheet for live equipment.			
		Provision of spaces for future MCB's of rating 10 Amps but EXCLUDING the cost of breakers.	0		
B.12		L.T. Power Cables	2	No.	
		Supply at site, installation, testing and commissioning of PVC insulated armoured copper conductor cable 600 / 1000 Volt grade in prelaid			
		conduits / trenches to be installed as per routes shown on drawings including cost of all necessary materials, connections, identification tags,			
		cables lugs properly crimped at both ends for the following sizes complete in all respects. Actual length of cables to be installed shall be			
		practically measured at site by the Contractor, duly authenticated by the employers electrical engineer before placing the order with the			
		manufacturer, however, approximate length of cables are shown herewith. Payments shall be made as per actual length installed.make Pakistan Cable, Newage Cable, Fast Cable or eqv.			
a)		PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, non			
i)	Appendix ' c' Page No-61	armoured with G.I. wire 16 SWG. 1 core 400mm sq. cable from MPB to HVAC			
B.13		BUS-TIE-DUCT (BTD) (Form Transformer to Main Panel Boards.	750.00	Rft	
		Supply and installation of Compacted Bus Tie Duct consists of 2500 A TP&N Copper Bus Tie Duct complete with 14SWG duly MS sheet powder			
	T age No 02	painted casing and necessary insulated mounting etc as per site requirement with fixing / hanging arrangements, Exhaust Fans complete in			
B.14		all respect as per satisfaction of Electrical Engineer. Powder Coated Ceiling Suspended / Horizontal Cable Tray in Corridor	60	Rft	
		Fabrication, supply at site and installation of perforated cable tray made of			
		M.S. sheet 14 SWG 8 ft. to 10 ft. long with sides 3" high with cover of cable tray made of 18 SWG M.S sheet to be installed on wall, or in vertical, or above false ceiling in horizontal position or as shown on drawing, including cost of the following:-			
		2 M.S threaded hanging rod 1/2" dia. Length 12" or as required as per site.			
		M.S strip 2" wide x 1/4" thick.			
		Hilti rawal bolts as per required quantity & size. 2 coats of antirust paint.			
		2 coats of antirust paint. 2 coats of powder coating of approved colour.			
		2 coats of antirust paint. 2 coats of powder coating of approved colour. Complete hanging system shall be installed at every 36".			
		2 coats of antirust paint. 2 coats of powder coating of approved colour.			
		 2 coats of antirust paint. 2 coats of powder coating of approved colour. Complete hanging system shall be installed at every 36". The above mentioned cable tray shall be complete in all respects including cost of all accessories / 			
	Appendix ' c' Page No-63	 2 coats of antirust paint. 2 coats of powder coating of approved colour. Complete hanging system shall be installed at every 36". The above mentioned cable tray shall be complete in all respects including cost of all accessories / materials. Cable tray shall be of the following sizes. 	400.00	Rft	
	Page No-63	 2 coats of antirust paint. 2 coats of powder coating of approved colour. Complete hanging system shall be installed at every 36". The above mentioned cable tray shall be complete in all respects including cost of all accessories / materials. Cable tray shall be of the following sizes. 	400.00	Rft	
	Page No-63 Appendix ' c'	 2 coats of antirust paint. 2 coats of powder coating of approved colour. Complete hanging system shall be installed at every 36". The above mentioned cable tray shall be complete in all respects including cost of all accessories / materials. Cable tray shall be of the following sizes. a) 6" wide x 3" high with cover. 	400.00 765.00	Rft	
	Page No-63 Appendix ' c' Page No-64	 2 coats of antirust paint. 2 coats of powder coating of approved colour. Complete hanging system shall be installed at every 36". The above mentioned cable tray shall be complete in all respects including cost of all accessories / materials. Cable tray shall be of the following sizes. a) 6" wide x 3" high with cover. 	765.00	Rft	
B.15	Page No-63 Appendix ' c' Page No-64 Appendix ' c'	 2 coats of antirust paint. 2 coats of powder coating of approved colour. Complete hanging system shall be installed at every 36". The above mentioned cable tray shall be complete in all respects including cost of all accessories / materials. Cable tray shall be of the following sizes. a) 6" wide x 3" high with cover. b) 9" wide x 3" high with cover. 			
B.15	Page No-63 Appendix ' c' Page No-64 Appendix ' c'	 2 coats of antirust paint. 2 coats of powder coating of approved colour. Complete hanging system shall be installed at every 36". The above mentioned cable tray shall be complete in all respects including cost of all accessories / materials. Cable tray shall be of the following sizes. a) 6" wide x 3" high with cover. b) 9" wide x 3" high with cover. c) 12" wide x 3" high with cover. 	765.00 90.00	Rft	
B.15	Page No-63 Appendix ' c' Page No-64 Appendix ' c'	 2 coats of antirust paint. 2 coats of powder coating of approved colour. Complete hanging system shall be installed at every 36". The above mentioned cable tray shall be complete in all respects including cost of all accessories / materials. Cable tray shall be of the following sizes. a) 6" wide x 3" high with cover. b) 9" wide x 3" high with cover. c) 12" wide x 3" high with cover. Wall Mounted Fire Extinguisher Supply at site, installation of fire extinguisher suitable for fire erupted due to electrical short circuit, make Haseen Habib or approved equivalent, including cost of fixing system of fire extinguishers complete in all respects in all respects. Fire extinguishers shall be installed in electric rooms or as 	765.00 90.00	Rft	
B.15	Page No-63 Appendix ' c' Page No-64 Appendix ' c' Page No-65	 2 coats of antirust paint. 2 coats of powder coating of approved colour. Complete hanging system shall be installed at every 36". The above mentioned cable tray shall be complete in all respects including cost of all accessories / materials. Cable tray shall be of the following sizes. a) 6" wide x 3" high with cover. b) 9" wide x 3" high with cover. c) 12" wide x 3" high with cover. Wall Mounted Fire Extinguisher Supply at site, installation of fire extinguisher suitable for fire erupted due to electrical short circuit, make Haseen Habib or approved equivalent, including cost of fixing system of fire extinguishers complete in all 	765.00 90.00	Rft	
	Page No-63 Appendix ' c' Page No-64 Appendix ' c' Page No-65	 2 coats of antirust paint. 2 coats of powder coating of approved colour. Complete hanging system shall be installed at every 36". The above mentioned cable tray shall be complete in all respects including cost of all accessories / materials. Cable tray shall be of the following sizes. a) 6" wide x 3" high with cover. b) 9" wide x 3" high with cover. c) 12" wide x 3" high with cover. Wall Mounted Fire Extinguisher Supply at site, installation of fire extinguisher suitable for fire erupted due to electrical short circuit, make Haseen Habib or approved equivalent, including cost of fixing system of fire extinguishers complete in all respects. Fire extinguishers shall be installed in electric rooms or as mentioned below: 	765.00 90.00	Rft	
B.15	Page No-63 Appendix ' c' Page No-64 Appendix ' c' Page No-65	 2 coats of antirust paint. 2 coats of powder coating of approved colour. Complete hanging system shall be installed at every 36". The above mentioned cable tray shall be complete in all respects including cost of all accessories / materials. Cable tray shall be of the following sizes. a) 6" wide x 3" high with cover. b) 9" wide x 3" high with cover. c) 12" wide x 3" high with cover. Wall Mounted Fire Extinguisher Supply at site, installation of fire extinguisher suitable for fire erupted due to electrical short circuit, make Haseen Habib or approved equivalent, including cost of fixing system of fire extinguishers complete in all respects. Fire extinguishers shall be installed in electric rooms or as mentioned below: 	765.00 90.00	Rft Rft	

а	Appendix ' c' Page No-17	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), Belden as approved by			
b		consultants, Complete in all respect Supply, Installation and commissioning of wiring for FACP to Fire Alarm	150.00	Rft	
	Page No-To	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	9,680.00	Rft	
ii		MANUAL CALL POINTS			
	Appendix ' c' Page No-19		20.00	Nos.	
iii		ALARM SOUNDER /BUZZER			
	Appendix ' c' Page No-20	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) including			
		cost of all other accessories as required. All equipped as per specifications, complete in all respects.	20.00	Nos.	
iv	Appendix ' c'	OPTICAL SMOKE DETECTOR Supply, installation and connections of Supply, installation and			
	Page No-21				
		as per specifications, complete in all respects. HEAT DETECTOR	214.00	Nos.	
v	Appendix ' c' Page No-22	Supply, installation and connections of Non-Addressable Heat Detectors Model DL-HD-1225 incorporating an LED indication located in labyrinth with in the housing of the detector. Sensing unit. make Delpro (UK), or Honeywell (Esser) inclulding cost of all other accessories as required. All			
		equipped as per specifications, complete in all respects.	8.00	Nos.	
vi	Appendix ' c'	FIRE ALARM CONTROL PANEL 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) inclulding cost of all other accessories as required. All equipped as per specifications, complete in all respects. as per NFPA-72/EN-54			
vii		12 Zone	1.00	Nos.	
vii	Appendix ' c' Page No-24	FIRE ALARM JUNCTION BOX 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	No.	
B.17 i		CCTV System IP Base Data Wiring of Camera			
	Appendix ' c' Page No-25	Supply, Installation and commissioning of wiring as per drawing wired with CAT- 6 23 AWG, UTP Cable UL Listed, run in pre laid conduit from CCTV point to Data Switcher, including all installation accessories. Make Delpro (UK), Belden, Schneider, Actual quantities shall be measured as per site			
		& paid accordingly. Complete in all respects	7,872.00	Rft	
ii	Appendix ' c'	<u>Power Wiring of Network Switch</u> Supply, Installation and commissioning of wiring for Power with flexible			
	Page No-17				
iii		Network Switch	150.00	Rft	
	Appendix ' c' Page No-26	Supply, Installation and commissioning of 24 port POE Network Switch	2.00	Nos.	
iv		CAT-6 UTP 1 METER PATCH CORD			
	Appendix ' c' Page No-27				
v		CAT-6 UTP 3 METER PATCH CORD	20.00	No	
	Appendix ' c' Page No-28		4.00	No	
vi		CAT-6 UTP 16 PORT SLIDING PATCH PANEL			
		Supply, installation & connections of CAT-6 UTP 16 Port sliding Patch Panel loaded with one piece tool less I/O's VDIG112241U-/VDIB17726- U12 having u shaped smart bridle- Must be UL Listed. The patch panel must have two side buttons for locking mechanism .Make Delpro (UK), Schneider or as approved equivalent by engineer's Incharge or consultants, Actual quantities shall be measured as per site & paid accordingly. Complete in all respects	2.00	Rft	
vii		CABLE ORGANIZER MADE WITH METAL			

		Supply and installation of Cable Organizer made with metal, high graded				
	Page No-30	epoxy powder coating and slideable top- Should be UL Listed. for Rack- mount Front Cable Organizer ACTRJ1-UC MPM Schneider as approved				
		equivalent by engineer's Incharge or consultants, Actual quantities shall				
		be measured as per site & paid accordingly. Complete in all respects				
			2.00	Rft		
viii	Appendix ' c'	<u>Dome / Bullet - IP - Camera</u> Supply and installation of IP Dome / Bullet Day and Night Vision CCTV,				
		4MP Model D2404, H.264/H.265 Compatible with 2592x1520 Effective				
	g	Pixels and Varifocal Lens (2.8~12mm), With upto 40- 50 Meter IR				
		Distance, 40 PCS LED, IP65/66 Weatherproof and Vandalproof, with				
		Humen detection, complete in all respects make make Delpro (UK).	20.00	Nos.		
ix		Network Video Recoder	20.00	1105.		
	Appendix ' c'					
	Page No-32					
		as required at site. Make Delpro (UK), approved equivalent by consultant				
		or Engineer Incharge, including Brand New 4TB Hard drive Sata .Actual quantities shall be measured as per site & paid accordingly. Complete in				
		all respects.	1.00	Nos.		
х		MONITOR				
	Appendix ' c'					
	Page No-33	monitor with operation capacity of 24/7 wit 3 year warranty. make by Samsung, TCL, LG or as specified in appendix-A approved equivalent by				
		consultant or Engineer Incharge, Complete in all respects Actual				
		quantities shall be measured as per site & paid accordingly. Complete in	(
		all respects.	1.00	Nos.		
xi		Close Circuit Junction Box (CCJB) Supply and fabrication of close circuit junction boxes 16 SWG to be				
		concealed in wall with 2 coats of antirust paint, earthing terminal, complete				
		in all respects.				
	Appendix ' c'	Junction boxes of appropriate size 4"x7".				
	Page No-24		1.00	Nos.		
B.18		DATA, WIFI SYSTEM	1.00	1403.		
i		POWER CABLE				
	Appendix ' c'	Supply, Installation and commissioning of wiring for Power with flexible			t t	
	Page No-17					
		prelaid conduit from prelaid Conduit. Make Delpro (UK), Belden, Covican (Italy), or as specified in appendix-A as approved equivalent by				
		engineer's Incharge or consultants, Actual quantities shall be measured as				
		per site & paid accordingly. Complete in all respects				
			600	Rft		
ii	Annondivital	Computer Outlet				
	Page No-34	Supply and installation of Single Shutter Face Plate with bracket and UTP Cat-6 Keystone Jack make : Delpro, clipsal, 3M,complete in all respect as				
	1 age 140 04	approved by the site incharge.				
		RJ-45 outlet, included cost of Wall boxes.	270	Each		
iii		Computer Cables				
	Appendix ' c'					
	Page No-25	point to Data Switcher, including all installation accessories. Make Delpro				
		(UK), Belden /Schneider or as specified in appendix-A as approved				
		equivalent by engineer's Incharge or consultants, Actual quantities shall				
		be measured as per site & paid accordingly. Complete in all respects	24300	Rft		
vi		Floor Level Data Cabinet Wall Mounted	24000	- NIL		
	Appendix ' c'					
	Page No-36					
		power distribution unit, complete in all respect. Make Norden, Hp, Dell.	16	Each		
viii		WIFI ACCESS POINT	10	Each		
	Appendix ' c'					
	Page No-67					
		MHz Channel width Support 4x4:4 streams, Beam Flex, Dual Polarized				
		Integrated smart Directional antenna array. Auto-sensing 10/100/1000 Mbps, RJ-45 Power over Ethernet (PoE) Integrated 24 Antenna elements				
		with more than 3000 Antenna Patterns, 15db interference mitigation, make				
		Ruckus, Aruba, Linksys or as specified in appendix-A as approved by				
		engineer's Incharge or consultants, Actual quantities shall be measured as				
		per site & paid accordingly. Complete in all respects	17	Each		
ix		Computer Junction Box(CJB)			1	
		Supply, installation of computer junction box 16 SWG to be concealed in				
		wall with 2 coats of antirust paint, earthing terminal, complete in all				
<u> </u>	Appendix ' c'	respects. Computer Junction Box Size: 4"x7"x4" deep.			+ +	
	Page No-24	יישטער שנווטנוטון בטא טובט. ד או אד עבבף.				
			1	No.		
B.19		TELEPHONE SYSTEM				
i	Apporting	Telephone Outlet			<u> </u>	
а	Appendix ' c' Page No-38	· · · · · · · · · · · · · · · · · · ·				
		3M, complete in all respect as approved by the site incharge.				
	<u> </u>	RJ-45 outlet, including Plastic Wall Box Clipsal	298	Each		
b		Supply and installation of Double Shutter Face Plate including I/Os with bracket and UTP Cat-6 Keystone Jack make : Norden, clipsal,				
	Page No-39	3M,complete in all respect as approved by the site incharge.				
		RJ-45 outlet, including Plastic Wall Box Clipsal	12	Each		
ii		CAT-6 CABLE FOR TELEPHONE SYSTEM				
	Appendix ' c'					
	Page No-25	CAT- 6 23 AWG, UTP Cable UL Listed, run in pre laid conduit from CCTV point to Data Switcher, including all installation accessories. Make Delpro				
		(UK), Belden /Schneider or as specified in appendix-A as approved				
		equivalent by engineer's Incharge or consultants, Actual quantities shall				
	1	be measured as per site & paid accordingly. Complete in all respects	00050	Rft		
			2.3250			
iii	Appendix ' c'	Supply and installation of 50 Pair Cable UG/PVC (0.4 - 0.5 mm so)	23250	RIL		
iii		Telephone Cable				
iii iv			3400	Rft		

		11		1		
		Supply, installation and commissioning of telephone junction box 250/5				
		make Krone Germany Krone No. 6525/1/022/00 of approved colour, designation label as per drawing, including disconnecting modules of 30				
		Nos. Type 2/10 LSA Plus Profile Krone Germany No. 6089/1/102/02 for				
		incoming and out going telephone cables, all necessary accessories				
		complete in all respects				
		Telephone Junction Box 50 Pairs (TJB)				
	Page No-42		10	No.		
B.20		Earthing System	10	INU.		
i 1		Earthing System - Bore Type				
		Drilling of earth bore 3" (75mm) dia 80 to 90 ft. deep (24000 to 27000mm)				
		or up to permanent water table, back filling, ramming, complete in all				
		respect. Earthing bores shall be made at 8ft. away from foundation and				
		distance between earth bore shall not be less than 10ft.				
	Appendix ' c'	Bores for earthing body				
	Page No-44	····· · ···· · · · · · · · · · · · · ·				
			6.00	No		
ii		<u>G.I. Pipe</u>				
		Supply at site and installation of G.I pipe 50mm dia. 14 SWG to be installed in premade bore, all G.I pipe accessories like tees, bends,				
	1 age 140 40	sockets etc: G.I pipe shall be connected to tinned copper spike as per				
		detail shown on drawing, complete in all respects. Length of pipe shall				
		depend upon the depth of the bore. Payment shall be made as per actual				
		length installed.	600.00	Rft		
iii	Annendialat	Tinned Copper Spike				
		Supply at site, installation of tinned copper spike make NBI to be manufactured as per detail shown on drawing. Spike shall be installed at				
	1 490 110-40	bottom of G.I pipe, all G.I nuts and bolts, complete in all respect.				
			6.00	Nos		
iv		Copper Conductor				
		Supply at site, installation and connections of earthing leads consisting of	Т		7	Π
	Page No-47	stranded electrolytic copper conductor of purity 99.9%, 70mm sq. to be				
		installed in prelaid G.I pipe and connected to tinned copper spike and to test link in man hole and from test link to desired location as per detail				
		shown or as per the instructions of the engineer. 2 Earthing leads shall be				
		installed in G.I pipe, including cost of G.I nuts, bolts, washers, all				
		necessary accessories, complete in all respects. Joints of copper				
		conductor with G.I pipe shall be covered with 3 coats of bitumen. Payment				
		shall be made as per actual length installed.	1,080.00	Rft		
v		Earth Connecting Points (ECP)	,			
	Appendix ' c'	Supply at site and installation of earth connecting points made of tinned				
	Page No-48	copper plate of size 12" long x 3" wide x $1/2$ " thick to be installed as and				
		where shown on drawings, complete with fixing arrangement, G.I nuts,				
		bolts, washers, lugs, 1/2" dia. holes to facilitate connections of Incoming copper strips / copper conductors and outgoing circuit protective				
		conductor (CPC).	6.00	Nos		
vi		Man Hole for Earthing				
		Construction of man hole 18" x 18" x 24" deep with 9" thick brick wall with				
	Page No-49	cement mortar, internal plaster 1:4, RCC 4" thick man hole cover with				
		lifting hooks and the following words written with paint on manhole cover				
		"EARTHING PIT", complete in all respects. Man holes shall be made on all earthing bores.	6.00	Nos		
B.21		HT Consumer / Protection Panel				
	Appendix ' c'	Supply , installation , testing and commissioning of HT consumer /				
	Page No-68	protection panel factory fabricated and tested, manufacture by (SIMENS /				
		Tariq Electric / PEL / FICO make only), consist of 12 SWG mild steel sheet fabricated floor mounted free standing one cubical indoor type (I.P				
		54) total enclosed with hinged front doors, the panel designe suitable for				
		11KV three phase 50 Hrz AC system, high conductivity, hard drawn				
		electrolytic copper bus bars of adequate curren carring capacity and short				
		circuit raiting copper interconnections, internal wiring and cables,				
		termination arrangements, using HT Raycherm Heat Shrinkable termination kit German for 3 core HT Armoured cable of appropriate size				
		as per wapda spacification and fineshed with RAL- 7032 powder coating				
		baked. Equiped with following compnents (All components used should be				
		from WAPDA approved list).				
		- HT. CONSUMER/PROTECTION PANEL	1.00	Each		
B.22	ļ	Power Transformer	1.00	Luon		
	Appendix ' c'	Supply at site, installation, testing and commissioning of new step down				
		power transformer indoor type manufactured according to BSS-171, IEC-				
		76 or VDE-0532, specifications and consisting of the under mentioned				
		items.Filling device, drain plug, oil level indicator, lifting hooks, bi-				
		directional roller wheels, H.V. & L.V. porcelain bushings, off load tap changer, 2 earthing terminals, conservator and silica gel breather,				
		thermometer pocket with thermometer, imported double float buckholz				
		relay, pressure relief vent, dial type thermometer with alarm & trip				
		contacts, rated Voltage 11000 / 415 / 230 Volts, suitable for an ambient				
		temperature of 50°C, winding temperature 55°C and oil temperature 45°C,				
		impedance 6% or as specified by IEC, system earth: Delta-Y, neutral solidly earthed (DYN-II), transformer oil, I.P - 54. The transformer shall be				
		suitable for loading of 100% continuous maximum rating with "ONAN"				
		cooling without exceeding the thermal limit. all necessary accessories /				
		materials, including submission of technical data sheet, complete in all				
		respects and as approved by the Engineer. - 2000 KVA				
			1.00	Each		
B.23		HT Power Cables				
		Supply, installation and commissioning of XLPE insulated, copper tape				
		screened PVC / SWA / PVC, 11 KV- Aluminum conductor cable				
		manufactured by Pakistan cables, Newage Cables, Fast Cables or Eqv. Cables or approved equivalent, as specified in wapda standerds to be laid				
		in prelaid trenched / in pre-laid conduits including cost of connections				
		conferming to general specification, complete in all respect as per				
		satisfaction of the Engineer Incharge.				
		ii) 3 core 120 mm.sq. 15KV XLPE insulated un armoured cable from HT				
1	raye NO-70	Protection panel to Transformers	150	Rft		
		llest Obsiglishle Terminetian Kite			1	
B.24		Heat Shrinkable Termination Kits	I			

A	oppendix ' c' Suply at work, lying, testing, & commissioning of following HT out door &	ι.					
P	Page No-71 Indoor heat shrinkable termination kits of Raychem /3-M/Cellpack for 3	3					
	core cables already laid under work Sr. No. 0.04 in the trenches including	1					
	cable glands etc and miscellaneous materials and installation as per	r					
	requirements, standard specifications, & to the approval of the consultant	/					
	Engineer.						
	Outdoor type (for 120mm Sq)	1	Each				
	Indoor type (for 120mm Sq)	3	Each				
	Total "B"(Schedule items) C/o to Summary of Cost	:					
	Net Total (A+B)						
	HVAC WOKS						

ltem No.	REF. Nos CH/ITEM	Description of Items	Qty	Unit	Rate (Rs.)	Amount (Rs.
		NON SCHEDULE ITEM-B				
1		Supply & Installation of All DC Inverter Controlled Variable Refrigerant Flow (VRF) Heat Pump Type Multi Split A/c System complete with built-in				
		Auto Control System & Central Controller System with display (Tablet)				
		including unloading, Lifting, placing and Fixing at foundation at locations				
		shown on drawing including testing & commissioning, make Zero, Rivast,				
		Sj-Bush, Hechen, Delpro (UK)				
	a)	Outdoor Condensing Units				
		POU-1	9	No.		
		POU-2	4	No.		
		POU-3	2	No.		
		POU-4	1	No.		
		POU-5	2	No.		
		POU-6	1	No.		
		POU-7	2	No.		
		POU-8	1	No.		
		POU-9	2	No.		
	b)	Indoor Units	_			
	,					
		Wall Mounted Type Indoor Units				
		IDU-1	8	Nos.		
		IDU-2	125	Nos.		1
		IDU-3	155	Nos.		1
		IDU-4	67	Nos.	+	+
			01	INUS.		
2		Supply and Installation of Gas & Liquid Copper Piping & Fittings				
2		Complete with 19mm thick Elastomeric Closed Cell nitrile rubber foam				
		insulation protected with PVC Tape, clamps/hangers/supports and all				
		other related material for installation purpose complete in all respect as				
		specified.				
		Ø 1/2"	4337	Rft		
		Ø 1/4"	2309	Rft		
		Ø 3/8"	5904	Rft		
		Ø 5/8"	5676	Rft		
		Ø 3/4"	2092	Rft		
		Ø 7/8"	378	Rft		
		Ø 1"	120	Rft	-	+
		Ø 1-1/8"	2490	Rft		
			1329			
		Ø 1-3/8"	529	Rft		
		Ø 1-5/8"		Rft		
		Ø 2-1/8"	85	Rft		
	Note:	The Refrigerant pipe sizes as shown in drawing are indicative only.				
		Pipe sizes may be vary brand to brand therefore the equipment supplier is responsible to verify the pipe sizing detail as given in				
		drawings attached in accordance with their selected models of				
		euipment being offered.				
3		Supply, Fabrication & installation of Refrigerant Distributer (Y-Type) Pipe				
-		Joints at locations recommended by manufacturer	1	Lot		
4		Supply & installation of 12" wide G.I Sheet Construction Pipe Tray with top				
		covering required to install refrigerant pipes running at exposed roof				
			758	Rft		
5		Supply, fabrication and installation of PVC. piping & fittings, including				
		hangers, anchor bolts, 6mm thick close cell foam insulation protected with				
		PVC tape etc.	7055			
		Dia 0.75 Inch	7055	Rft		
		Dia 1.0 Inch	2565	Rft	ļ	
		Dia 1.25 Inch	3233	Rft		
		Dia 1.5 Inch	536	Rft		
6		Supply & installation of HVAC related Electrical works as specified and as				
		shown on the drawings complete with				
	a)	Electrical Panels				
		ACP-1	1	No		
		ACP-2	1	No	ļ	
	b)	Conduiting and wiring onward from ACP panels to HVAC equipment	1	1		
	- /	including control wiring	1	Lot	<u> </u>	
	c)	Conduiting and wiring onward from outdoor condensing unit to indoor units including control wiring	1	Lot		
		Painting of metal hangers and metal structures where installed as	1	LUI	+	+
7		Painting of metal hangers and metal structures where installed as specified	1	Job		
7		Shop drawings and As-built drawings	1	Job	1	
				300		+
8						
		Related Civil works including wall / slab cutting, patching, plastering etc.	1	Job		
8 9		Related Civil works including wall / slab cutting, patching, plastering etc. and construction of equipment foundations	1	Job		
8		Related Civil works including wall / slab cutting, patching, plastering etc.	1	Job		

The Islamia University of Bahawalpur Extension of Academic Block for Department of Environment Sciences (UCA&ES)

No	Civil Work Description	Quantity	Rate	MRS 、 Unit	Jan to Jun, 202 Amount
1	Excavation in foundation of building, bridges and other	Quantity	Ndle	Unit	Amount
	structures, including dagbelling, dressing, refilling around				
	structure with excavated earth, watering and rammiing lead	51620.00		0/ - 0#	
	upto one chain (30 m) and lift upto 5 ft. (1.5 m) in ordinary soil	51629.00 Cft		%o Cft	
2	Spraying anti-termite liquid mixed with water in	30665.00 Sft		% Sft	
	the ratio of 1:40				
3	Cement concrete brick or stone ballast 11/2 " to 2" (40 mm to				
Ũ	50 mm) gauge, in foundation and plinth:- Ratio 1:4:8	2500.00 Cft		% Cft	
4	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)	122955 00 Ka		0/ 1/ ~	
	i) Deformed bars (Grade-60) ii) Deformed bars (Grade-40)	133855.00 Kg 17038.00 Kg		% Kg % Kg	
	,,			,g	
5	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	(000) 00			
	i) Type B (nominal mix 1: 1½: 3) ii) Type C (nominal mix 1: 2: 4)	12391.00 Cft 650.00 Cft		Per Cft	
		650.00 Cft		Per Cft	
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:using harrow sand				
	i) Type B (nominal mix 1: 1½: 3)	22740.00 Cft		Per Cft	
	ii) Type B (nominal mix 1: 1½: 3) (First Floor)	16557.00 Cft		Per Cft	
7	Filling, watering & ramming earth under floors:-				
i)	with surplus earth from foundation, etc.	17663.49 Cft		%o Cft	
ii)	with new earth excavated from outside,lead upto 1/4 mile	272000.00 Cft		%o Cft	
8	Pacca brick work in ground floor:-				
Ũ	cement, sand mortar:-				
	i) Ratio 1:5	19093.00 Cft		% Cft	
	ii) Ratio 1:3 iii) First Floor Ratio 1:5 cement sand mortor	1385.00 Cft 16982.00 Cft		% Cft % Cft	
	iv) First Floor Ratio 1:3 cement sand monor	1382.00 Cft		% Cft	
	v) Second Floor Ratio 1:5 cement sand mortor	2679.16 Cft		% Cft	
0	Deece brick work is foundation and plinth in compart cand	4000.00 Cft		0/ 0#	
9	Pacca brick work in foundation and plinth in:- cement sand mortor Ratio 1:6	4000.00 Cft		% Cft	
10	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: 1 ¹ / ₂ " thick (40 mm)	200.00 Sft		% Sft	
I			ı	ı	1
11	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only,				
	i) upto 20' height. 1:3	23575.00 Sft		% Sft	
	ii) Above 20' height	23575.00 Sft		% Sft	
12	Cement plaster 1:5 upto 20' (6.00 mm) height:-				
	i) ½" (13 mm) thick	53816.00 Sft		% Sft	
		01000.00		a	
	ii) Above 20' height 1/2" thick 1:5	21926.00 Sft		% Sft	
	iii) 3/4" (20 mm) thick upto 20' height	40845.00 Sft		% Sft	
	iv) Above 20' height 3/4" thick 1:5	13622.00 Sft		% Sft	
13	Supplying and filling sand under floor; or	8270.00 Cft		% Cft	
	plugging in wells.			,. On	
14	Dry rammad brick or stone ballast 11/" to 2"/ 40 mm to 50	12026.00 Cft		0/ 04	
14	Dry rammed brick or stone ballast, 1 ¹ / ₂ " to 2"(40 mm to 50 mm) gauge.	12026.00 Cft		% Cft	
15	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.	20702.00 Sft		% Sft	
16	Providing and Laying Insulation material of Extruded				
	Providing and Laying insulation material of Extruded Polystyrene XPS in Rigid Insulation/ Foam Board on roof or				
10	walls, Density 32-38Kg/M, compressive strength 250-400 kpa,				
10					1
10	R-value 5 per inch thickness and water obsorbtion (1% by				
	R-value 5 per inch thickness and water obsorbtion (1% by volume, cell structure clored cell) i/c cutting and placing in	20702 00 \$#		% Sft	
	R-value 5 per inch thickness and water obsorbtion (1% by	20702.00 Sft		% Sft	

1 1		I	Т	1 1	ī
	mm) mud plaster finished, with gobri leeping: '4" (100 mm) thick earth filling and 1" (25mm) mud plaster 9/10	20702.00	Sft	% Sft	
18	Supplying and laying polythene sheet over D.P.C. under 'floors and on roofs, etc. 500 gauge (.005" thick) 26/37	20702.00	Sft	Per Sft	
19	Providing and fixing ornamental cement jali 2" (50 mm) thick (1: 2: 4), without steel.	1364.00	Sft	Per Sft	
20	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels.	5175.00	Rft	Per Rft	
21	Providing and laying topping of cement concrete 1:2:4,including surface finishing and dividing in panels:- 1½"(40 mm) thick	6932.00	Sft	% Sft	
22	Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size100mmx 30mm using frame at bottom, at top and side leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gas ket using approved standard latches, wheel, stopper brush chennel angle joint and hardware etc.complete in all respect 2 mm thick 25/53	50.00	Sft	Per Sft	
23	Providing and fixing theremopore (foamed polythene) sheet in horizontal and vertical expansion joints: 11/2" thick thermopore sheet	2501.00	Sft	Per Sft	
24	Preparing surface and painting with emulsion paint:- 3 coats	10000.00	Sft	% Sft	
25	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	150.00 4950.51	Cft Cft	% Cft % Cft	
26	Providing and fixing sliding bolt to doors:- iron sliding bolt, 12" (300 mm) long	80.00	No	Each	
27	Removing windows and sky lights with chowkat.	1.00	No	Each	
28	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	193.00	Rft	Per Rft	
29	Providing and fixing 1½" (40mm) thick solid flush door shutter sterling or equivalent with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinge with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect.	50.00	Sft	Per Sft	
30	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 1½" (40x40x6 mm) welded with M.S. flat 2"x 1¼" (50 mm x 6 mm)	55.00	Sft	Per Sft	
31	Providing and fixing collapsible gate made of $2"x2"x"'4"$ tee iron at top and bottom, channel iron 'verticals $3/4"x'4"x'4"x'4"x'4"x'4"x'4"x'4"x'4"x'4"x'$				
	channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled, complete in working order.	49.50	Sft	Per Sft	
1	Civil Work (Non-Schedule) Providing and laying Floor Tile 24"x24" Granite Effect (GEM) Dark Polished SB or DWV series Polished (Dark color)class SB (Master) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineering incharge	38369.00	Sft	Total Per Sft	
2	Providing and laying Tile Floor/Dado 9"x26" Size (51SF MPD538 & 757 Multi 9x26 Master and 24SF MPD748 Multi 9x26 Master) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, i/c Tile Bond complete in all respects as approved by Engineer incharge	1305.00	Sft	Per Sft	
3	M.S Steel Grill for windows comprising of 1/2"x1/2" square bar with 1.25"x1.25"x1/8" MS angle iron for frame including painting 3 coats complete in all respect as shown on the drawings, specification and/ or as directed by the Engineer incharge	7200.00	Kg	Per Kg	

4	Providing and laying Granite Marble Slab (SADU Grey) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2 including grinding & chemical polishing complete in all respects as approved by Engineering incharge	2060.00	Sft	Per Sft
5	Preparing and Applying Plastic Emulsion (ICI DULUX PENTALITE) Smooth Matt Finish (3-Coats) over ICI Paintex Sheesha Putty Filling on a clean plastered surface including rubbing and paper sanding, Complete in all respect and as approved by Engineer Incharg	122435.00	Sft	Per Sft
6	Providing and laying Floor Tile 12"x18" SP Series - Plain matching Dark Colors (Glossy / Matt) SP PLN - SB (Master) including 05% Wastage laid in white cement and pigment on a bed of 3/4" thick cement mortar 1:2 i/c Tile Bond as approved by Engineering incharge	4867.00	Sft	Per Sft
7	Providing and applying Textured resin plaster coating of Rockwall / sandtex / Graffiato with recommended sealer and thinner on the surface of cement plaster on the exterior surface of the building. The coaring shall be of approved colour and pattern. Surface should be prepared by removing dust, dirt, oil, sand and other foreign matters. Honey combing and stepped irregularities shall be corrected by toweling, apply it strictly in accordance with manufacturer's instructions, as per drawing, specification Final coat shall be applied after the base coat has been inspected and approved by the Engineer Incharge.	40000.00	Sft	Per Sft
8	P/F 2'-9" high stair railing (Stainless steel non-magnatic) comprising of 2-1/2" dia 16 gauge Stainless Steel pipe Stair Hand rail fixed with same dia pipe balusters as specified distance fixed at top of steps with expension bolts, 3 Nos of 16 gauge 1/2" dia S.S pipes i/c bends, base plate with bottom tiki i/c steel polishing compelte in all respects as approved by the engineer incharge	400.00	Rft	Per Rft
9	Providing and fixing glass 5mm thick brown colour in C-windows of door with plastic of paris complete in all respects	250.00	Sft	Per Sft
10	Providing and fixing angle iron bracket for sui gas pipe using angle iron 1.5"x1.5"x1/4" thick including clamp fixing at site complete in all respects as approved by the engineer incharge.	80.00	No	Each
11	Providing & Fixing Cabnet consisting of lamination board 3/4" thick for leaves, kail wood frame 2.50" x 1", Gola for 'leaf 3/4" x 3/4" including siprit polish for gola complete in all respects as per design, drawing & patern as approved by the Engineer incharge (Down portion)	1200.00	Sft	Per Sft
12	Providing & Fixing Cabnet 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 & patern as approved by the Engineer Incharge	550.00	Sft	Per Sft
13	Providing and fixing openable Iron door at corridore size 5'-10" wide & 6'-7" height using M.S box pipe 2.25" x 1.50" 16 SWG for frame, M.S Angle iron $1"x1" x 1/4"$ for Handle, M.S angle iron $1/4"x1/8"$ for hold fast, sliding bolts $1/2"$ dia 13" long & hinges 4" size including painting complete in all respect as approved by the Engineer Incharge.	150.00	Sft	Per Sft
14	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	400.00	Rft	P/Rft
15	Providing & Fixing stainless steel manhole cover size 3'x3' consisting MS angle iron 2"x2"x1/4" including MS bar 3/8"x3/8" complete in all respects as approved by the enginee incharge.	8.00	No	Each
16	Providing and fixing Handle Lock (Hiluke/DAF/Khas or equivalent) complete in all respect as approved by Engineer Incharge.	40.00	No	Each
17	Providing and fixing Roller Blinds fixing in position as per approved design and sample complete in all respect as approved by the engineer incharge.	500.00	Sft	P/Sft
18	Providing and fixing Door Closer including all hardware fitting best quality complete in all respect as approved by Engineer Incharge.	44.00	No	Each
19	Providing and fixing of False ceiling consisting of lamenated Gypsum Board (one side laminated) of size 600 mm x 600 mm x 10 mm (approx) over aluminium Tee's 1"x 1"size at 2'-0"x2-0"center to center longituidInally and transversally			

	& alminium angle of size 1" x 1" at corners/ ends, including all accessries such as steel hanging wire, hooks, screws, nails, rowel plugs, Cross Joints etc. complete in all respect, and as approved by the Engineer Incharge.	38000.00 Sft	P/Sft
20	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	490.00 Sft	P/Sft
21	Providing, Fabricating and fixing 16 SWG M.S sheet hollow pressed Jamb frame (Factory primme) for door welded with MS flat size 10"x1"x1/8", hold fast i/c welding/screwing 4" long iron hinges, filling concrete for the jamb frame and embedding hold fast in the adjointing walls with 1:2:4 concrete, enamel painting etc. complete in all respects as show on the drawing and/ or as directed by the engineer, in conformance with following size		
	i) 10"x2-1/2" ii) 6"x2-1/2"	2666.00 Sft 280.00 Sft	Per Sft Per Sft
22	Providing and fixing solid engineered door of teak wood (NTC FGV-307) with engineered stabilized center core with 3/4" solid edge banding including hinges, tower bolt rubber stop cleats handles and chord with hooks etc. complete in all respect or as per approval of the engineer incharge.	2196.00 Sft	Per Sft
23	Providing and fixing all types of Double glazed aluminium windows of anodized bronze colour partly fixed and partly sliding using deluxe section of M/s AL-Cop or 101mm x 41mmx 2mm using frame (70501) at bottom, (70502) at top and side Pakistan cables/ Al-Cop having frame of size 31mmx60mmx2mm (70506) at top & bottom and size 35mm x60mmx2mm (70505) at center and size 35mm x 60mm x2mm (70503) at sides, Jali leaf frame 70509 size 45mm x 14mm x1.6mm i/c fine quality aluminum jali,fixing double glass 5mm thick brown tinted tempered + 12mm thick air space + 5mm thick clear tempered glass with rubber gas ket using approved standard latches, wheel, stopper, brush chennel angle joint and hardware etc.complete in all respect		
	as approved by the engineer incharg	3518.00 Sft	Per Sft Total
2	Electrical Work Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries,and repairing surface, etc., complete with all specials. i) 3/4" i/d (20 mm) ii) 1" i/d (25 mm) iii) 1.50" i/d (40 mm) iv) 2" i/d (50 mm) 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. wiro/trapphon (rate rephice aphic) 250/4/40 wird, pV/C	3000.00 M 4000.00 M 300.00 M 500.00 M	Per M Per M Per M Per M
	wire/trenches (rate for cables only). 250/440 volts, PVC insulated:		
	i) 3/0.74 mm (3/0.029")	10000.00 М	Per M
	ii) 7/0.74 mm (7/0.029")	6000.00 M	Per M
	iii) 7/0.91 mm (7/0.036")	2500.00 м	Per M
	iv) 7/1.12 mm (7/0.044")	6000.00 м	Per M
	v) 7/1.63 mm (7/0.064")	540.00 M	Per M
	vi) 19/1.32 mm (19/0.052")	3657.00 м	Per M
	vii) 19/1.63 mm (19/0.064")	3657.00 м	Per M
3	Supply and erection of ceiling rose, bakelite.	40.00 No	Each
			Total
1	Electrical Work (Non-Schedule) 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)	200.00 No	Each
2	Supply, installation, connection & commissioning of distribution boards, (Sub Main DB-E), Open type Wall		

distribution boards, (Sub Main DB-E), Open 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 50 Amps T-p (10KA) 1.00 No, Distribution Miniature Circuit Breaker of 10/20 Amps S-p (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,

1		1	1 1	
	Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Hitachi, Schneider Electric, Legrand or equivalent).	8.00	No	Each
3	Supply, installation, connection & commissioning of distribution boards, (Sub Main DB-N), Open 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 125 Amps T-p (15KA) 1.00 No, Distribution Miniature Circuit Breaker of 10/16 Amps S-p (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 Hitachi, Schneider Electric, Legrand or equivalent).	8.00	Νο	Each
4	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 Molded Case Circuit Breaker 630 Amps T-p (36KA) 1.00 No and distribution Molded Case Circuit Breaker 125 Amps T-p (15KA) 12.00 Nos) & for DB-E (Main Molded Case Circuit Breaker 400 Amps T-p (36KA) 1.00 No and distribution Molded Case Circuit Breaker 50 Amps T-p (10KA) 15.00 Nos) respectively, Digital Volt, Selector switches, LED Phase lights, Copper bus bars, Earthing bar, Neutral bar and any accessories required at site. Complete in all respects as approved by the engineer incharge. (for MCCB General Electric, Schneider Electric & Legrand).	1.00	Νο	Each
5	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	50.00	No	Each
6	Supply & installation of LED 2'x 2' 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 36S/865 PSU W60L60 GM G2 or			
7	Equivalent) Supply & installation of LED 17W Down Light (6" Surface Mounted, 220V~) i/c any accessories required at site.	750.00	No	Each
	Complete in all respect as directed and approved by the Engineer Incharge (Philips Meson or Equivalent)	120.00	No	Each
8	Supply & installation of Wall Mounted LED Batten Light 20W (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Slimline or Equivalent)	80.00	No	Each
9	Supply & installation of Wall Bracket Fan 18" (99.99% Copper) i/c any accessories (i.e. mounting screws & etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Younis, Tamoor, Pakfan or Equivalent)	9.00	No	Each
10	Supply & installation of PVC Exhaust fan 12" (99.99% Copper) i/c any accessories (i.e. screw. Rawl plug or steel nail, etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (GFC, Indus, Pakfan or Equivalent)	15.00	No	Each
11	Supply & installation of Universal 3-Pole Socket with 13A Switch with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	300.00	No	Each
12	Supply & installation of a Power plug 15A with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	350.00	No	Each
13	Providing & Fixing of Wall Light with 3 Watt LED Blub (philips) 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.	60.00	No	Each
14	Supply & installation of a Fan Dimmer 300W with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	60.00	No	Each
15	Supply & installation of a Four Single Pole Switch Plate with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the			

	Engineer Incharge (Philips ECO Series Q2 or Equivalent)	85.00	No	Each	
16	Supply & installation of a Six Single Pole Switch Plate with				
	plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the				
	Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	55.00	No	Each	
17	Supply & installation of a Eight Single Pole Switch Plate with				
	plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the				
	Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	145.00	No	Each	
18	Supply & installation of a Four Single Pole Switch & Two				
	2-Pin Socket Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as				
	directed and approved by the Engineer Incharge. (Philips ECO	105.00		Each	
	Series Q2 or Equivalent	125.00	No	EdCI	
19	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	No	Each	
20	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	200.00	No	Each	
	Equivalent)				
				Total	
1	Plumbing Work Providing and fixing chromium plated pillar-cock,				
	heavy:- '1.5 cm (½")	32.00	No	Each	
2	Providing and fixing chromium plated tee stop				
	cock 15mm (1/2")	63.00	No	Each	
3	Providing and fixing chromium plated bib cock:- 1.5 cm (½")	37.00	No	Each	
		01.00	110		
4	Providing and fixing brass gas cock i) 1.5 cm (½") thick	70.00	No	Each	
	ii) (3/4") thick	70.00	No	Each	
5	Providing and fitting:- plastic soap dish	45.00	No	Each	
6	Providing and fitting:- plastic towel rail	1.00	No	Each	
7	Providing and fitting:- plastic shelf 60x13 cm				
	(24"x5") with bracket and railing.	10.00	No	Each	
8	Providing and fixing looking glass 55x40 cm (22"x16") size, and 5 mm thick, first quality.	9.00	No	Each	
9	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: upto 6" i/d (150 mm)	9.00	Con	P.Con	
10	Providing and fitting:- plastic toilet paper holder	24.00	No	Each	
				Total	
	Plumbing Work (Non-Schedule)				
1	Providing, laying, fixing and testing uPVC Soil Waste, vent & rain water down pipe "NIKASI PIPES Durafit/ Beta/ Pak				
	Arab/Equalvent" as per ISO 3633 & PS 3214 including uPVC fittings with solvent cement jointing or rubber ring joints				
	complete in all respects including clamps, bends, tees,				
	Y-tees, Cowl reducers, clean out WC- Elbow Adopter etc. embedded in floors 3" thick P.C.C. 1:4:8 bedding under pipe				
	(by using crushed stone) complete excavation back fill where required or clamped to walls, making requisite no. of holes &				
	making good the same, complet in all respects. 4" dia.				
	Complete in all respects and as approved by Engineer Incharge	3500.00	Rft	Per Rft	
2	Providing, laying, fixing, jointing, testing and disinfecting				
-	PPRC (Polyproplene random copolymer) pipes lines for cold				
	and hot water supply as per DIN 8077/ 8078 for pipes and DIN 16962 ISO 3633 & PS 3214 for fittings complete in all				
	respects including specials such as Coupler, Reducing Socket, End caps & Male/ Female Threaded fittings like Tees,				
	Adopter to connect pipe with metalic threads of shower, wash basin, bib cocks etc. where required, supported on wall or run				
	in chases including supports, cutting wall jhree etc. Complete				
I	in all respects and as approved by Engineer	I	1		

	Incharge.(Beta/Pak Arab/Minhas/Equalvient) (a) (25 mm) dia	3000.00	Rft	Per Rft
	(b) (32 mm) dia	2500.00	Rft	Per Rft
3	Providing & Fixing uPVC "P" trap 4" dia complete in all respects as approved by the Engineer incharge	100.00	No	Each
4	Providing and fixing chromium plated bib cock:- 1.5 cm (½") with nozel	11.00	No	Each
5	Providing & Fixing Sink bowl stainless steel 17"x20" size i/c waste pipe and waste coupling best quality complete in all respects as approved by the engineer incharge	50.00	No	Each
6	Providing and fixing gas cock of best quality (Fasial or Yousaf Company) Complete in all respects and as approved by Engineer Incharge 1.5" dia	3.00	No	Each
7	Providing & Fixing stainless steel manhole cover size 3'x3' consisting MS angle iron 2"x2"x1/4" including MS bar 3/8"x3/8" complete in all respects as approved by the enginee incharge.	8.00	No	Each
8	Providing & Laying MDPE T-FLEX Pipe (Yellow) with all specials such as End Cap, Equal Tee, Reducer, elbow etc for main line as approved by the engineer incharge (Dadex or equivalent)			
	i) MDPE Pipe 3/4" dia	1200.00	Rft	Per Rft
	ii) MDPE Pipe 1-1/4" dia	800.00	Rft	Per Rft
	iii) MDPE Pipe 2" dia	1200.00	Rft	Per Rft
9	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.	150.00	Sft	P/Sft
10	Providing & Fitting Steel floor jali best quality complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.	100.00	No	Each
11	Providing & Fixing Muslim shower (HD-30 Porta or equivalent company) with double bib cock (HDA-5270B Universal) & flexibe steel pipe complete unit i/c all accessries required at site complete in all respect as per specifications as approved by the Engineer incharge	11.00	No	Each
12	Providing and fixing Coloured Glazed Earthen ware water closet Europen type Couple set including Flush Tank fixed with comode, hydraulic seat cover, sheet cover thimble, connection pipe Complete in all respect and approved by Engineering Incharge. (HD201 Porta or equivalent company)	11.00	No	Each
13	Providing and fitting Flushing cistern 3-Gallon capacity including Bracket set & Hockey pipe best quality complete in all respcts as approved by the engineer incharge (HD3T			
14	Porta or equivalent company) Providing and fitting glazed earthen ware water closet (WC) Orisa pattern, combined with foot rest best quality complete	24.00	No	Each
15	in all respcts as approved by the engineer incharge (HDD9 Porta or equivalent company) Providing and fitting glazed earthen ware Counter	24.00	No	Each
15	basin/Vanity (HD16 Porta or equivalent company) including waste pipe and waste coupling, etc. best quality complete in all respects as approved by the engineer incharge	28.00	No	Each
16	Providing and fitting Chromium plated Single lever Basin Mixer complete in all respcts as approved by the engineer incharge (Porta HDA0501M or equivalent company)	28.00	No	Each
17	Providing and fitting Wash Basin with Pedestal (Porta HD17) or equvialent complete in all respects as approved by the engineer incharge	4.00	No	Each
18	Providing and fitting S.S Grip Bar (Porta HD95 456mm) or equvialent complete in all respects as approved by the engineer incharge	4.00	No	Each
19	Providing and fitting Chromium Tee Stop Cock Porta HDJ817A or equvialent complete in all respects as approved by the engineer incharge	63.00	No	Each
	External Plumbing Work			Total
1	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	12893.00	Cft	%o Cft

2	Providing and laying R.C.C. pipe, moulded with cement				
2	concrete 1:11/2:3, with spigot socket or collar joint, etc.				
	including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site				
	of work, lowering in trenches to correct alignment and grade,				
	jointing, cutting pipes where necessary, finishing and testing, etc., complete.				
	i) 225 mm (9") i/d	50.00	Rft	Per Rft	
	ii) 6" i/d	50.00	Rft	Per Rft	
	iii) 12" i/d	50.00	Rft	Per Rft	
3	Cement concrete brick or stone ballast $1\frac{1}{2}$ " to 2" (40 mm to	400.00			
	50 mm) gauge, in foundation and plinth:- Ratio 1:4:8	400.00	Cft	% Cft	
4	Pacca brick work in foundation & plinth:- cement, sand mortar:- Ratio 1:3	1500.00	Cft	% Cft	
		1000.00	On	70 GH	
5	Cement plaster 1:3 upto 20' (6.00 mm) height:- i) 3/4" thick	1600.00	Sft	% Sft	
	ii) ½" thick	1618.00	Sft	% Sft	
6	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	5100.00	Cft	%o Cft	
7	Providing, laying, cutting, jointing, testing and disinfecting				
	P.V.C. pipe line of B.S.S. with 'B' Class working pressure pipe, in trenches, complete in all respects:- i) 3" i/d (80 mm)	715.00	Rft	Per Rft	
				i oi rut	
8	Providing and fixing 3" (75 mm) thick R.C.C. manhole 'cover, 22" (550 mm) dia, with tee shaped C.I. frame of 20" (500 mm)				
	clear i/d (frame weighing 37.324 Kg. or one maund) as per				
	Standard Drawing STD/PD No. 5, of 1977, complete in all respects.	27.00	No	Each	
9	Providing, laying, cutting, jointing, testing and disinfecting				
3	High Density Polyethylene Pipe (HDPE-100) working presure				
	pipe in trenches. complete in all respects PN-10 (SDR-17) 3" (90mm)MRS 23/42-b-i	700.00	Rft	Per Rft	
	External Plumbing Work (N.S)			Total	
1	Providing & Fixing Gate valve of PPRC best quality complete in all respect as per specifications and drawings and as				
	approved by the Engineer Incharge.				
	i) 25 mm	11.00	No	Each	
	ii) 32 mm	20.00	No	Each	
2	Providing & Fixing 3"x1-3/8" clamp for water supply				
	connection complete in all respects	11.00			
	i) 1/2" dia	11.00	No	Each	
	ii) 3/4" dia	18.00	No	Each	
3	Providing, fixing, cutting, jointing & testing uPVC drainage				
	pipes of approved quality, i/c uPVC drainage fitting with soil vent cement jointing, " Type-B" or approved equal, rates i/c				
	cost of clamping to walls and ceiling, hangers supports,				
	cutting through wall & providing sleeves through concrete slab for pipe line & pipe fitting of following dia meters				
	i) 4" i/d	100.00	Rft	Per Rft	
	ii) 6" i/d	200.00	Rft	Per Rft	
	iii) 8" i/d	500.00	Rft	Per Rft	
		500.00	RIT	Per Kit	
	External Civil Work			Total	
1	Supplying and filling sand under floor; or plugging in wells.	1600.00	Cft	% Cft	
2	Cement concrete brick or stone ballast $1\frac{1}{2}$ " to 2" (40 mm to				
	50 mm) gauge, in foundation and plinth:- Ratio 1:4:8	2224.00	Cft	% Cft	
3	Providing, laying, watering and ramming brick ballast 1½" to				
	2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respectsMRS 10/3	599.00	Cft	% Cft	
		599.00	GIL	70 UI	
4	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion				
	i/c grouting with sand in joints i/c finishing to require slope.				
	Complete in all respect. (50% Grey / 50% Coloured) 60mm thick	20000.00	Sft	Per Sft	
5	Cement concrete plain including placing, compacting, finishing				
5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of				
	stone aggregate): Ratio 1: 2: 4	150.00	Cft	% Cft	

		ĺ			
6	Reinforced cement concrete in roof slab, beams, columns		 		
0					
	lintels, girders and other structural members laid in situ or				
	precast laid in position, or prestressed members cast in situ,	405.00			
	complete in all respects:- Type C (nominal mix 1: 2: 4)	125.00	Cft	Per Cft	
				Total	
	External Civil Work (N.S)				
1	Providing & Fixing Pre-Cast Kerb stone size 12"x14"x6"				
	(300mmx350mmx150mm) and duly embedded on a bed of				
	PCC 1:6:12 (4" thick), PCC 1:2:4 for hanuching, laid with				
	cement sand mortor 1:3, 3/4" thick i/c painting of 3 coats				
	complete in all respects as per design & as approved by the				
	engineer incharge made (Izhar/Banu Mukhtar/ Mukhtar Sons)	2000.00	Rft	Per Rft	
				Total	
	External Electrical Work				
1	Earthwork excavation underessed lead upto a single throw of				
	Kassi, phaorah or shovel:- In ordinary soil.	1125.00	Cft	%o Cft	
2	Supply and erection of copper conductor cables for service				
	connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for				
	cable only):- PVC insulated, PVC sheathed 4 core 660/1100				
	volt grade cable, armoured with G.I. wire 16 SWG. 37/2.62				
	mm (37/0.103")	250.00	М	Per M	
				Total	

The Islamia University of Bahawalpur Construction of New Girls Hostel (No.1) at Baghdad-ul-Jadeed Campus

		Civil Work					Jan to Jun, 2021
No.	Ref.	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). b) In ordinary soil.	122500.00	Cft		%o Cft	
2	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	18500.00	Cft		% Cft	
3	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- i) Ratio 1:4:8	14250.00	Cft		% Cft	
		i) Ratio 1:6:12	7800.00	Cft		% Cft	
4	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: 1.5: 3)	31800.00	Cft		Per Cft	
5	26/42	Spraying anti-termite liquid mixed with water in the ratio of 1:40	49000.00	Sft		% Sft	
6	7/4	Pacca brick work in foundation and plinth in:- Cement, sand mortar: Ratio 1:6	8200.00	Cft		% Cft	
7	6/33	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. 1.5" thick (40 mm)	1400.00	Sft		% Sft	
8	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)	16000.00	Sft		% Sft	
9	3/15 +3/17	Filling, watering and ramming earth under floors:- i) with surplus earth from foundation, etc. ii) with new earth excavated from outside,lead upto 1/4 mile	47000.00 174500.00	Cft Cft		%o Cft %o Cft	
10	7/5	Pacca brick work in Cement, sand mortar:- Ratio 1:5 i) Ground Floor (7/5-i)	27000.00	Cft		% Cft	
		ii) First Floor	26000.00	Cft		% Cft	
		iii) Second Floor	26000.00	Cft		% Cft	
		iv) Third Floor	1500.00	Cft		% Cft	
11	7/5	Pacca brick work in Cement, sand mortar:- Ratio 1:4 i) Ground Floor	5850.00	Cft		% Cft	
		ii) First Floor	5600.00	Cft		% Cft	
		iii) Second Floor	5550.00	Cft		% Cft	
12	11/10	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. Ratio 1:3	106500.00	Sft		% Sft	
13	11/9	Cement plaster 1:4 upto 20' (6.00 m) height:- i) ½" (13 mm) thick	215000.00	Sft		% Sft	

		ii) 3/4" (20 mm) thick	127000.00 Sft	% Sft
14	11/28	Extra for lime, mud or cement plaster and pointing from 20' (6.00 m) and above for each additional 10' (3.00 m) height or part thereof.	185000.00 Sft	% Sft
15	6/9	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars Deformed Bar 60-Grade	429000.00 кg	% Kg
16	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	33000.00 Cft	Per Cft
		ii) First Floor	28000.00 Cft	Per Cft
		iii) Second Floor	28000.00 Cft	Per Cft
		iv) Third Floor	500.00 Cft	Per Cft
		v) Type C (nominal mix1:2:4) Ground Floor	2000.00 Cft	Per Cft
		vi) Type C (nominal mix1:2:4) First Floor	1900.00 Cft	Per Cft
		vii) Type C (nominal mix1:2:4) Second Floor	1650.00 Cft	Per Cft
17	7/30	Supplying and filling sand under floor; or plugging in wells	12000.00 Cft	% Cft
18	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.	32500.00 Cft	% Cft
19	12/50	Providing and fixing 1½" (40mm) thick solid flush door shutter sterling or equivalent with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect.	10750.00 Sft	Per Sft
20	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 2 mm thickness sections including the cost of ¼" (5 mm) thick imported tinted 'glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved 'standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge. (2mm thick)	1000.00 Sft	Per 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 M/s Al-Cop or Pakistan 'Cables having frame size of 100 x 20 mm ($4^*x^{3/4}^*$) and 'leaf frame sections of 50 x 20 mm ($2^*x^{3/4}^*$), all of 1.6mm 'thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	500.00 Sft	Per Sft
22	25/53	Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size100mmx 30mm using frame at bottom, at top and side leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gas ket using approved standard latches, wheel, stopper, brush chennel angle joint and hardware		
		etc.complete in all respect 2 mm thick	14000.00 Sft	Per Sft
23	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.	3500.00 Кg	% Kg
24	13/31	Preparing surface & painting with 3 coats Emulsion paint complete in all respects	372000.00 Sft	% Sft
25	13/5	Painting new surface: Preparing surface and painting of doors and windows any type (including edges):- 3 coats	26200.00 Sft	% Sft
26	13/32	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: new		

		surface 2 coats, upto 20' height	60000.00	Sft	% Sft	1
27	13/39	Extra labour for painting, varnishing, etc. from 20' (6.10 m) height and above, for every additional 10' (3.05 m) height,or part thereof, requiring scaffolding.	32500.00	Sft	% Sft	
28	12/7	First class deodar wood wrought joinery in doors and windows, etc. panelled, or panelled or glazed, or fully glazed, fixed in position, including chowkat, holdfast,hinges, tower bolts, chocks, rubber stop, cleats/G.I. clamps, handles and chord with hooks, etc. complete '(excluding sliding bolt or lock):- 1½" thick (40 mm)	500.00	Sft	Per Sft	
29	10/15	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- 2" thick	8200.00	Sft	% Sft	
30	12/18	Providing and fixing sliding bolt to doors:- iron sliding bolt, 12" (300 mm) long	385.00	No	Each	
31	10/42	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½"x3/8" (40x10mm)	5600.00	Rft	Per Rft	
32	10/43	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope complete in all respect. (50% Grey / 50% Coloured) 60 mm thick	17500.00	Sft	P/Sft	
33	6/24	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	400.00	Rft	Per Rft	
34	25/36	Providing and fixing collapsible gate made of 2"x2"x"¼" (50x50x6 mm) tee iron at top and bottom, channel iron verticals ¾"x¼"x¼"x1/8" 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"x14"x1/8" (20x6x6x3 mm) channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled, complete in working order.	360.00	Sft	Per Sft	
35	10/18	Extra labour for each storey above ground, for mosaic,conglomerate, tiles, stone and wooden floor.	73000.00	Sft	% Sft	
36	9/45	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation/Foam Board on roof or walls, Density 32-38Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water obsorbtion (1% by volume, cell structure clored cell) i/c cutting and placing in position complete in all respect 1.5" thick	36500.00	Sft	% Sft	
37	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.	36500.00	Sft	% Sft	
38	9/15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	16.00	No	Each	
39	26/37	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. 500 gauge (.005" thick)	73000.00	Sft	Per Sft	
40	6/12	Providing and fixing ornamental cement jali 2" (50 mm) thick (1: 2: 4), without steel.	200.00	Sft	Per Sft	
41	6/28	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.	800.00	Rft	Per Rft Total	
1	N.S	Civil Work (Non-Schedule) Providing, Fabricating and fixing 16 SWG M.S sheet hollow pressed Jamb frame (Factory primme) for door welded with MS flat size 10"x1"x1/8", hold fast i/c welding/screwing 4" long iron hinges, filling concrete for the jamb frame and embedding hold fast in the adjointing walls with 1:2:4 concrete, enamel painting etc. complete in all respects as show on the drawing and/ or as directed by the engineer, in conformance with following size i) 10"x2-1/2"	14500.00	Sft	Per Sft	
2	N.S	ii) 6"x2-1/2" Providing & Fixing Fair Face Brick Guttka 9"x3"x2.25" (straight or on edges) joint in 1:3 cement surkhi over 3/4" thick (AVG) 1:4 C/S base mortor on wall including laying ornamental bricks in approved pattern, scaffolding & during at any height, complete in all respect as shown on the	3600.00 53000.00	Sft	Per Sft Per Sft	
		drawing or as directed by the engineer incharge.				

3	N.S	Providing & Laying pre-polished granite marble slab 3/4" thick of aproved quality colour, shade & texture for stair treads set over 3/4" thick 1:3 cement sand mortor in i/c			
		rendering off 2 Nos non-skirdding grooves (3/4" wide & 1/4" deep) in each steps, rounding off front edges, complete in all respects as shown in the drawing and or as directed by the engineer incharge	3500.00	Sft	Per Sft
4	N.S	Providing and laying Floor Tile 24"x24" Granite with dry/wet/venied application, DWV series Polished (Dark color) class SB including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineering inch.	98000.00	Sft	Per Sft
5	N.S	Providing and laying Dado Tile 24"x4" Granite with dry/wet/venied application, DWV series Polished (Dark color) class SB including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineering inch.	10000.00	Sft	Per Sft
6	N.S	Providing and laying Floor Tile 12"x18" SP Series on matching color base (Glossy) Dark Color Rectified SB) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineer incharge (for Toilet Block)	19000.00	Sft	Per Sft
7	N.S	Providing and laying Dado Tile 12"x18" SP Series on matching color base (Glossy) Dark Color Rectified SB) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineer incharge (for Toilet Block)	41000.00	Sft	Per Sft
8	N.S	Providing & Fixing marble 3/4" thick Buticina fency 12"X12" with floating coat of cement over a bed of 3/4" thick cement sand mortor 1:2 over 1" thick PCC 1:2:4 Gray cement, including colour pigment to match with the colour of marble tiles laid with cement sand mortor 1:2 rubbing and chemical Polishing, as approved by Engineering Incharge	1500.00	Sft	Per Sft
9	N.S	M.S Steel Grill for windows comprising of 1/2"x1/2" square bar @ 4" c/c with 1.25"x1.25"x1/8" MS box angle iron for frame including painting 3 coats complete in all respect as shown on the drawings, specification and/ or as directed by the Engineer incharge	16150.00	Kg	Per Kg
10	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	3800.00	Sft	Per Sft
11	N.S	Providing and fixing 3/4" thick PVC Board shutter with one side leminate & 3/4" x 3/4" PVC beading over wardrobe frame of 3"x1.5" M.S Box pipe 18 SWG including catchers, lock, CP hanger rod with hooks, hydrulic hinges, on beading complete in all respects including	21000.00	Sft	Per Sft
12	N.S	Putti filling for emulsion paint including rubbing and primary coat complete in all respects as approved by the Engineer Incharge.	372000.00	Sft	Per Sft
13	N.S	Providing & Laying pre-polished China verona marble slab 1" thick rendered with bevelled edges on counter trop set over 1/2" thick 1:3 cement sand mortor and expose joint fill with matching colour grout of wihite cement and colour pigment complete in all respects as shown in the drawing and or as directed by the engineer incharge	500.00	Sft	Per Sft
14	N.S	Providing & Fixing Cabnet consisting of lamination board 3/4" thick for leaves, kail wood frame 2.50" x 1", Gola for 'leaf 3/4" x 3/4" including siprit polish for gola complete in all respects as per design, drawing & patern as approved by the engineer incharge (Down portion) Floor Mounted Cabinets (Shutters only)	475.00	Sft	Per Sft
15		Providing & Fixing Cabnet 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 & patern as approved by the Engineer Incharge Wall Hanging Cabinets	350.00	Sft	Per Sft
16	N.S	Providing & Fixing Hydraulic door closer including all hardware fitting best quality complete in all respect as approved by Engineer Incharge.	30.00	No	Each
17	N.S	Providing and fixing ornamental partal wooden architrave 3"x1/2" (75mmx12mm) tapered to 1/4" (6mm) all along the door frame complete in all respect as approved by the Engineer Incharge.	5000.00	Sft	Per Sft
1		1	I	I	I I

18	N.S	2'-9" high stair railing comprising of 2-1/2" dia 16 gauge S.S pipe hand rail fixed with same dia pipe blusters as specified distance fixed at top of steps with expension bolts, 3 Nos of 16 gauge 1/2" dia S.S pipes horizontally fixed with blusters compelte in all respects	650.00	Rft	Per Rft
19	N.S	Providing and fixing Steel door consisting of 16 gauge M.S sheet welded with M.S "L" section, 1-1/4" x 1-1/4" x 1/8" M.S "L" section welded with M.S Sheet, hinged with Chowkat, i/c locking arrangement,handles, hinges etc. duly enamel painted complete in all respects as per drawings and specifications and as approved by the Engineer in charge.	500.00	Sft	Per Sft
20	N.S	Providing, applying and filling expansion joint with 2"x ¾" thick elastomeric sealant (Poly-Sulphide) of approved manufacture over backing rod complete in all respect according to manufactures recommendations and to the entire satisfaction of the engineer incharge	400.00	Rft	Per Rft
21	N.S	Providing and fixing of False Ceiling consisting of lamenated Gypsum Board (one side laminated) of size 600 mm x 600 mm x 10 mm approx over aluminium Tee's 1"x 1"size at 2'-0"x2-0" center to center longituidInally and transversally & alminium angle of size 1" x 1" at corners/ ends, including all accessries such as steel hanging wire, hooks, screws, nails, rowel plugs, Cross Joints etc. complete in all respect, and as			
22	N.S	approved by the Engineer Incharge. Providing & Fixing S.S pipe railing 2' high (For Gallery)	6400.00	Sft	Per Sft
LL	11.0	comprising of 2.5" dia 16 SWG in corridor openings fixed with same dia pipe bluster at same distance with 2 No. 16 SWG 1/2" dia S.S pipe horizontally with accessories & fixing complete in all respect & as approved by the Engineer Incharge	3000.00	Rft	Per Rft
23	N.S	Providing and laying Floor Tile 24"x24" with dry/wet/ venied application, Salt'Pepper (SPM-110) Dark Polished SB including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineering incharge.	100.00	Sft	Per Sft
24	N.S	Providing and laying Dado Tile 24"x4" with dry/wet/ venied application, Salt'Pepper (SPM-110) Dark Polished SB including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineering incharge.	100.00	Sft	Per Sft
\square		Plumbing work			Total
1	3/44	Plumbing work 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.	7000.00	Cft	%o Cft
2	3/42	Earthwork excavation in open cutting for sewers & 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 upto: i) 0 to 7 ft	20000.00	Cft	%oCft
3	19/43	Providing & Fixing Brass gas cock 15mm 1/2" dia	20.00	No	Each
4	23/41	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. i) upto 6" i/d (150 mm)	2.00	Con.	P/Con
		ii) upto 8" i/d (200 mm)	2.00	Con.	P/Con
5	19/19	Providing and fixing looking glass 55x40 cm (22"x16") size, and 5 mm thick, first quality.	15.00	No	Each
6	23/22	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. Light Quality			
		a) ¾" i/d (20 mm)	850.00	Rft	P/Rft
		b) 1" i/d (25 mm)	850.00	Rft	P/Rft
		c) 1½" i/d (40 mm)	450.00	Rft	P/Rft
7	23/42	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) i) 3" dia (90 mm)	650.00	Rft	P/Rft
8	19/7	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe and	5.00		Fach
9	21/1	waste coupling. 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	5.00	No	Each

		grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete. 225 mm (9") i/d	600.00	Rft	P/Rft
				-+	Total
1	N.S	Plumbing work (Non-Schedule) Providing, fixing, cutting, jointing & testing uPVC drainage pipes of approved quality, i/c uPVC drainage fitting with soil vent cement jointing, " Type-B" or approved equal, rates i/c cost of clamping to walls and ceiling, hangers supports, cutting through wall & providing sleeves through concrete slab for pipe line & pipe fitting of following dia meters i) 4" i/d	4000.00	Rft	Per Rft
		ii) 6" i/d	3000.00	Rft	Per Rft
2	N.S	Providing, fixing, jointing and testing polypropylene Random (PPR) pipes of approved quality, for cold water as per DIN 8077-8078, PN-20 for pipes and DIN 16962, PN-25 for fittings (polyfusion welded joints) inside building including fittings and specials (sockets, tees, elbows, bends, crosses, reducers, adaptor, plugs and union etc) recessed in walls or suspended form roof slab or run in chases including pipe hangers, supports, cutting and making good the chases and hole complete in all respects. i) 25mm o.d	2400.00	Rft	Per Rft
		i) 22mm o d	5400.00	D#	Dor Pft
		ii) 32mm o.d	5400.00	Rft	Per Rft
		iii) 40mm o.d	3000.00	Rft	Per Rft
		iv) 50mm o.d	1000.00	Rft	Per Rft
3	N.S	Providing & Fixing uPVC P-trap 4" dia of approved quality	200.00	No	Each
4	N.S	Construction of collection chamber without grating complete in all respcts as per drawing &/or as directed by the engineer	10.00	No	Each
5	N.S	Providing & Fixing grating at site with angle iron frame 1.5"x1.5"x1/4" and 1" square bars @ 1" c/c compele in all respects according to the drawing and specifications as per direction by the engineer incharge.	10.00	No	Each
6	N.S	Construction of square masnory manhole 2.50x2.50 ft. including cover & frame upto 5' depth	20.00	No	Each
7	N.S	Providing and installing Brass Ball/ Handle valves of approved quality of following nominal dia, including jointing, fitting, painting, testing, complete in all respects to match with PPR/uPVC pipes of following diameters.			
		i) 25 mm O.D	16.00	No	Each
		ii) 32 mm O.D	16.00	No	Each
		iii) 40 mm O.D	16.00	No	Each
		iv) 50 mm O.D	4.00	No	Each
8	N.S	Supply and installation of Gas geysers of following capacity , including ball valves on inlet and outlet connections complete in all respects. 14 SWG tank, 55 gallon Providing & Fixing Looking Glass 5-mm thick best	12.00	No	Each
10		quality,complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.	800.00	Sft	P/Sft
10	N.S	Providing & Fitting Steel floor jali best quality complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.	150.00	No	Each
11	N.S	Providing & Fixing Muslim shower (HD-30 Porta or equivalent company) with double bib cock (HDA-5270B Universal) & flexibe steel pipe complete unit i/c all accessries required at site complete in all respect as per specifications as approved by the Engineer incharge	36.00	No	Each
12	N.S	Providing and fixing Coloured Glazed Earthen ware water closet Europen type Couple set including Flush Tank fixed with comode, normal seat cover, sheet cover thimble, connection pipe Complete in all respect and approved by Engineering Incharge. (HD201 Porta or equivalent company)	36.00	No	Each
13	N.S	Providing and fitting Flushing cistern 3-Gallon capacity including Bracket set & Hockey pipe best quality complete in all respcts as approved by the engineer incharge (HD3T Porta or equivalent company)	80.00	No	Each
14	N.S	Providing and fitting glazed earthen ware water closet (WC) Orisa pattern, combined with foot rest best quality complete in all respcts as approved by the engineer incharge (HDD9 Porta or equivalent company)	80.00	No	Each

10 N.S. Providing and thing Chromer Alassie endower in the Alassie endower (chrome Alassie en	15	N.S	Providing and fitting glazed earthen ware Counter basin/Vanity (HD16 Porta or equivalent company) including waste pipe and waste coupling, etc. best quality complete in all respcts as approved by the engineer incharge	170.00	No	Each	
HOAC6357 (c) equivalent complete in all respects as a provide () the regime in incharge 100.00 No Each 18 N.S. Providing and fitting Tap Shower 0 ⁴ dia (Ports HDDP2172) or complete in incharge 100.00 No Each 19 N.S. Providing and fitting Vash Basin with Pederatial (Ports HDD7) or exploated to fitting S.S. Grip Bar (Ports HDD7) 24.00 No Each 20 N.S. Providing and fitting S.S. Grip Bar (Ports HDD7) or exploated to fitting S.S. Grip Bar (Ports HDD7) 24.00 No Each 20 N.S. Providing and fitting Chemium Tee Stop Cock Ports 700.00 No Each 21 N.S. Providing and fitting Chemium Tee Stop Cock Ports 700.00 No Each 21 N.S. Providing and fitting Chemium Tee Stop Cock Ports 700.00 No Each 21 N.S. Providing and fitting Chemium Tee Stop Cock Ports 700.00 No Each 21 Stop Part exector of stop Each Ports 8000.00 fit Pure ret 2 Stop Part exector of stop Each Ports 700.00 fit Pure ret 2 Stop Part exector	16	N.S	Mixer complete in all respcts as approved by the engineer	170.00	No	Each	
19 N.S. Providing and fitting Wash Bacin with Pedetal (Paris H017) or counseling and fitting S.S. Grip Bar (Portia H054 656mm) or register (Indungs) 24.00 No Each 20 N.S. Providing and fitting S.S. Grip Bar (Portia H054 656mm) or register (Indungs) 8.00 No Each 21 N.S. Providing and fitting S.S. Grip Bar (Portia H054 656mm) or register (Indungs) 8.00 No Each 21 N.S. Providing and fitting Chronian Tee Step Cack Porta 8.00 No Each 21 N.S. Providing and fitting Chronian Tee Step Cack Porta 8.00 No Each 21 N.S. Providing and fitting Chronian Tee Step Cack Porta 8.00 No Each 21 N.S. Providing and fitting Chronian Tee Step Cack Porta 8.00 No Each 21 N.S. Providing and fitting Chronian Tee Step Cack Porta 8.00 No Each 21 A.S. Providing and fitting Chronian Tee Step Cack Porta 8.00 No Each 21 A.S. Providing and fitting Chronian Tee Step Cack Porta 6000.00 Gitting Ack	17	N.S	HDA0563Y) or equvialent complete in all respects as	100.00	No	Each	
20 N.S Providing and filing S.S. One Bar (Porta H009 405mm) or equivalent complete in all respects as approved by the equivalent complete in all respects as approved by the engineer incharge 8.00 No Each 21 N.S. Providing and filing Chromitum Test Stop Cock Porta H02017 AP equivalent complete in all respects as approved by the engineer incharge 700.00 No Each 2 2466 September (Society AP or Foreballed Operating AP or Foreballed Complete AP or Foreball	18	N.S	equvialent complete in all respects as approved by the	100.00	No	Each	
21 N.S. Providing and thing Chromium Tee Stop Cook Porta HDJ877.07 equivalent complete in all respects as approved by the engineer incharge 700.00 No Each 1 240 Stopp valuet complete in all respects as approved by the engineer incharge 700.00 No Each 1 240 Stopp valuet complete in all respects as approved by the engineer incharge 700.00 No Each 1 240 Stopp valuet engineer incharge 0000.00 Ref Per 181 2 2410.a Stopp valuet engineer incharge 0000.00 Ref Per 181 2 2410.a Stopp valuet engineer PVC insulated copper conductor cables, in period 1. Writeworks (cable only). 20144 Volts, PVC insulated coppro 21. Writeworks, incluster cobset only. 20144 Volts, PVC insulated copper Coll writeworks (cable only). 20144 Volts, PVC insulated copper Coll writeworks (cable only). 20144 Volts, PVC insulated coll coll coll coll coll coll coll coll	19	N.S	or equvialent complete in all respects as approved by the	24.00	No	Each	
HDB/17.4 or equivalent complete in all respects as approved by the engineer incharge 700.00 No Each Image: the end of the	20	N.S	equvialent complete in all respects as approved by the	8.00	No	Each	
1 246 Electrical Work (Schedule)	21	N.S	HDJ817A or equvialent complete in all respects as approved	700.00	No	Each	
1 246 Supply and enclose PVC pipe for encessed winn (ranar and sub-main) puppose, including bench, specials, etc. If box will of tenches. 60000.00 Rt Per Rt 2 50 mm i/d 2700.00 Rt Per Rt 2 2410 a. Supply and center of allegie com PVC installed cooper conductor cables, in a capsing GL installer of cooper conductor cables, in a capsing GL installer of cooper conductor cables, in a capsing GL installer of cooper conductor cables, PVC installed. Per Rt 2 2410 a. Supply and enclose of allegie coop PVC installed cooper conductor. Per Rt 3 9.71.63 mm (70.0547) Per Rt Per Rt 4 19.70.74 mm (70.0547) 2000.00 Rt Per Rt 5 2413 Supply and enclose of cooper conductor cables for service connection, in pelial peoGL installer does envice. Per Rt 6 (vici) 71.63 mm (70.0547) 11000.00 Rt Per Rt 6 (vici) 71.63 mm (70.0547) 11000.00 Rt Per Rt 6 (vici) 191.32 mm (70.0547) 11000.00 Rt Per Rt 6 (vici) 191.32 mm (70.0547) 11000.00 Rt Per Rt 6 3/44 Eccentratio			Electrical Work (Schedula)			Total	
Born is is 6000.00 Rt Per Rt ab mm is 2700.00 Rt Per Rt 2 2410-a Supply and excition of aingle core PVC insulted coper conductor cables in prelied PC pper MS. conductor[] pipelwoods at stip batterwoods at stip batterwoods and an accepting 21. with the code and y.250440 volts, PVC insulted. Per Rt 3 171.63 mm (70.044") 4800.00 Rt Per Rt 4 10, 70.74 mm (70.044") 2000.00 Rt Per Rt 3 24173 Supply and excition of copper conductor cables for service connection, in preliaid pupe G1 wateratches, etc., frate Cable only).5: 2000.00 Rt Per Rt 3 24173 Supply and excition of copper conductor cables for service connection, in preliaid pupe G1 wateratches, etc., frate Cable only).5: 2000.00 Rt Per Rt 4 3444 Supply and excition of copper conductor cables only in the cable only: complete net to 51.15.8 m (900.024") 11000.00 Rt Per Rt 4 3/444 Excenteent enterestin at light of field except outing inclusing informance supply inclusing water and arraming earth under floors. 15000.00 Kt 4 7/23 Dry brick pitchining 6000.00 Kt<	1	24/6	Supply and erection PVC pipe for recessed wiring (main and sub-main) purpose,				
2 24/10.4 Supply and exciton of single core PVC insulated coper conductor cables. In preled PVC pipeN.S. conduit/G1 pipeWood ship batter/wooden casing an capping G1. WritePrenches (rate for cables only).250(440 volts, PVC insulated. Per Rt 3 9. 716.33 mm (70.064*) 4800.00 Rt Per Rt 4 9.707.44 mm (70.064*) 2000.00 Rt Per Rt 5 24/13 Supply and exciton of copper conductor cables for service connection, in prelad pipeG1. writePrenches, etc. (rate for cable only). Per Rt 9 PVC firsulated C4 coe, 8001100 volt non amounde cable: Image: Cable C4 coe, 8001100 volt non amounde cable: 1 c(w) 716.33 mm (70.064*) 11000.00 Rt Per Rt 4 3/44 Excavation of tenches in all kinds of soil, except cutting hock, for water supply pipe lines upto 51; (1.5 m) dept from gound evel. including timming, desang sides, leveling the bes of intenches: 15000.00 Ct % o Ct 4 3/16-1 Filling, watering and mamming earth under floores: 15000.00 Ct % o Ct 6 7/23 Dry brick pitching G00.00 Ct % o Ct % o Ct 1 N.S Wring origin to monit from sound atom, etc. 15000.00 Ct % o Ct 1 N.				6000.00	Rft	Per Rft	
2 24/10.4 Supply and exciton of single core PVC insulated coper conductor cables. In preled PVC pipeN.S. conduit/G1 pipeWood ship batter/wooden casing an capping G1. WritePrenches (rate for cables only).250(440 volts, PVC insulated. Per Rt 3 9. 716.33 mm (70.064*) 4800.00 Rt Per Rt 4 9.707.44 mm (70.064*) 2000.00 Rt Per Rt 5 24/13 Supply and exciton of copper conductor cables for service connection, in prelad pipeG1. writePrenches, etc. (rate for cable only). Per Rt 9 PVC firsulated C4 coe, 8001100 volt non amounde cable: Image: Cable C4 coe, 8001100 volt non amounde cable: 1 c(w) 716.33 mm (70.064*) 11000.00 Rt Per Rt 4 3/44 Excavation of tenches in all kinds of soil, except cutting hock, for water supply pipe lines upto 51; (1.5 m) dept from gound evel. including timming, desang sides, leveling the bes of intenches: 15000.00 Ct % o Ct 4 3/16-1 Filling, watering and mamming earth under floores: 15000.00 Ct % o Ct 6 7/23 Dry brick pitching G00.00 Ct % o Ct % o Ct 1 N.S Wring origin to monit from sound atom, etc. 15000.00 Ct % o Ct 1 N.			80 mm i/d	2700.00	Rft	Per Rft	
a prelation V/C pipeMAS. conduRC1 pipeWoods attip batter/wooden casing an copping G1. wireflemenches (rate for cables only). 250440 volts. IV/C insulated. i i 0, 71.63 mm (70.064*) 4800.00 Rt Per Rt i i) 70.74 mm (70.029*) 2080.00 Rt Per Rt iii i) 70.74 mm (70.029*) 2080.00 Rt Per Rt iii column (70.029*) 2080.00 Rt Per Rt iii column (70.029*) 1000.00 Rt Per Rt iii column (70.064*) 11000.00 Rt Per Rt iiiii column (70.064*) 11000.00 Rt Per Rt iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii							
Image: construction of copper conductor cables for service connection, in prelaid pipe(3, whiternches, etc. (aide for cable only). 2000.00 Rtt Per Rtt 3 24/13 Supply and erection of copper conductor cables for service connection, in prelaid pipe(3, whiternches, etc. (aide for cable only). PVC imulated, PVC sheathed 4 core, 680/100 volt non armoured cable. Image: conduct and conduct and conduct and cable only image: conduct and conduct and cable only image: conduct and conduct and cable only image: conduct and conduct and conduct and cable only image: conduct and con	2	24/10-a	prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an				
Image: Supply and reaction of copper conductor cables for service connection, in preliad Image: Supply and reaction of copper conductor cables entryly - PVC insulated cope, 6601100 volt non armoured cable- Image: Supply and reaction of copper conductor cables entryly - PVC insulated cope, 6601100 volt non armoured cable- i q(vi) 71.63 mm (70.064") 11000.00 Rth Per Rth i q(vi) 191.32 mm (70.064") 11000.00 Rth Per Rth i q(vi) 191.32 mm (70.064") 11000.00 Rth Per Rth i q(vi) 191.32 mm (70.064") 11000.00 Rth Per Rth i complete in all kinds of soil, except catting 'took, for water supply pipe lines upots fit. (5 m) depth from ground reques fit. (6 m) de			i) 7/1.63 mm (7/0.064")	4800.00	Rft	Per Rft	
pipe/is1. wire/renches, etc. (rate for cable only): PVC insulate(_PVC sheathed 4 core, 660/1100 volt non armoured cable; i c(vi) 771.63 mm (70.064') 11000.00 Rt Per Rt i c(vi) 19/1.32 mm (19/0.052') 11000.00 Rt Per Rt 4 3/44 Excavation of trenches in all kinds of soil, except cutting tock, for water supply pipe lines up of the form ground level, including timming, dressing sides, leveling the beds of trenches to correct grade and cutting pits for joints, etc. 15000.00 Crt %o Crt 5 3/16-1 Filling, watering and ramming earth under floors:- 15000.00 Crt %o Crt 6 7/23 Dry brick pitching 600.00 Crt %o Crt 1 N.S 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 preliad PVC pipe/M.S. conductG1 pipe/wooden astip patherwooden casing an capping/G1. wirefrenches in 20mm (34') PVC pipe ic any accessories required at site. 2300.00 No Each 2 N.S Circuit wiring from MCBs board to bard to bard to the Engineer Incharge 360.00 No Each 3 N.S Circuit wiring from MCBs board to gang switch board'multi light plug with 3-Nos of 1.5 mm² (30.029') single core PVC insulated copper conductor cables, i			ii) 7/0.74 mm (7/0.029")	2000.00	Rft	Per Rft	
pipe/is1. wire/membes, etc. (rate for cable only) PVC insulated. PVC sheathed 4 core, 680/1100 volt non arroured cable. i C(Vi) 71.53 mm (70.064') 11000.00 Rt Per Rt a C(Vi) 18/1.32 mm (18/0.052') 11000.00 Rt Per Rt 4 3/44 Excavation of trenches in all kinds of soil, except cutting 'tock, for water supply pipe lines upto 5 ft. (1.5 m) depth from ground level, including timming, dressing sides, levelling the bads of trenches to correct grade and cutting pits for joints, etc. 15000.00 Crt %io Crt 5 3/15-1 Filling, watering and ramming earth under floors:- 15000.00 Crt %io Crt 6 7/23 Dry brick pitching 600.00 Crt %io Crt 6 7/23 Dry brick pitching 600.00 Crt %io Crt 1 N.S Wring of light or lan point from south board to the point with 3-Nos of 1.5 mm* 10 1 N.S Circuit wring from ICdP is corper conductor cables, in preliad PVC pipe/M.S. condult/G1 pipe/Wooden asing an acping/G1. 2300.00 No Each 2 N.S Circuit wring from ICdBs board to gang switch board'multi light plug with 3-Nos of 1.5 mm* 300.00 No Each 3 A.S	3	24/13	Supply and erection of copper conductor cables for service connection, in prelaid				
1 1 1 1000.00 km Per Rt iii c(vii) 191.32 mm (190.052') 11000.00 km Per Rt 4 3444 Exeavation of trenches in all kinds of soil, except cutting 'tock, for water supply pipe lines up of 5t, (1.5 m) depth from ground level, including thrmining, dressing sides, leveling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects. 15000.00 crt %o crt 5 3/15-1 Filling, watering and ramming earth under floors: 15000.00 crt %o crt 6 7/23 Dry brick pitching 600.00 crt %o crt 6 7/23 Dry brick pitching 6000.00 crt %o crt 7 Signification foundation, etc. 15000.00 crt %o crt 6 7/23 Dry brick pitching 600.00 crt %o crt 7 Signification foundation, etc. 15000.00 crt %o crt 7 Signification Full consultation of the point with 3-Nos of 1.5 mm² 1000.00 crt %o crt 7 N.S Wring of light or fan point from switch board to the point with 3-Nos of 2.5 mm² 200.00 No Each 1 N.S Circuit witing from MCBs board to gang switch board/multi light plug with 3-Nos of 2.5 mm² (70.029') single core PVC inplewiced at site. Complete in all respect as directed and approved by the Engineer Incharge 200.00 No Each			pipe/G.I. wire/trenches, etc. (rate for cable only):				
1 1 1000.00 km Per Nt iii c(vii) 191.32 mm (190.052') 11000.00 km Per Rt 4 3444 Exeavation of trenches in all kinds of soil, except cutting 'tock, for water supply pipe lines up of 5 ft, 1.5 mm (depth from ground level, including throming, dressing sides, leveling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects. 15000.00 cft %o cft 5 3/16-1 Filling, watering and ramming earth under floors: 15000.00 cft %o cft 6 7/23 Dry brick pitching 600.00 cft %o cft 6 7/23 Dry brick pitching 600.00 cft %o cft 1 N.S With surpluse earth from foundation, etc. 15000.00 cft %o cft 1 N.S Uring of light or fan point from switch board to the point with 3-Nos of 1.5 mm² (30.027) single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. condutUC1 pipe/wooden strip batter/wooden casing an capping/G1. wire/trenches in 20mm (37/P) PVC pipe (2 may accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge 2300.00 No Each 2 N.S Circuit wiring from MCBs board to gang switch board/multi light plug with 3-Nos of 2.5 mm² (70.027) single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. condutUG1 pipe/wooden strip batter/wooden casing an capping/G1. wire/trenches in 20mm (37/P) VC pipe (2 may accessoriser equired at site. Complete in all respect as directed a		c(vi)					
3 0.00000 0.00000 0.00000 0.00000 4 3/44 Excavation of trenches in all kinds of soil, except cutting 'rock, for water supply pipe ines upto 5 ft. (1.5 m) depth from ground level, including trimming, dresing sides, leveling the bads of trenches to correct grade and cutting pits for joints, etc. complete in all respects. 15000.00 Crt % o Crt 5 3/15-1 Filling, watering and ramming earth under floors: 1 0 1 % o Crt 6 7/23 Dry brick pitching 600.000 Crt % o Crt % 6 6 7/23 Dry brick pitching 600.000 Crt % o Crt 1 1 N.S Witing of light of nan point from switch board to the point with 3-Nos of 1.5 mm² 1 Total 1 N.S Circuit wing 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 prelial PVC ippe/M.S. conduit(G.1 pipe/wooden strip batter/wooden casing an capping[G.1. witheftenches in 20mm (3/4") PVC pipe i/o ang switch board/multi light plug with 3-Nos of 2.5 mm² (70.029") single core PVC insulated copper conductor cables, in prelial PVC ippe/M.S. conduit(G.1 pipe/wooden strip batter/wooden casing an capping[G.1. witheftenches in 20mm (3/4") PVC pipe i/o ang accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge 2600.00 No Each	i	C(VI)		11000.00	Rft	Per Rft	
2 N.S Circuit wiring from MCBs board to gang switch board of the approved by the Engineer Incharge 2300.00 N.S 2 N.S Circuit wiring from MCBs board to gang switch board to the gang switch board multilight plug with 3-Nos of 1.5 mm² (20.029°) single core PVC insulated copper conductor cables, in preliaid PVC pipe/M.S. conduit/G.J. pipe/Mooden strip batter/wooden casing an capping/G.J. 2300.00 No 3 N.S Wiring of light or fan from point to point with 3-Nos of 1.5 mm² (20.029°) single core PVC insulated copper conductor cables, in preliaid PVC pipe/M.S. conduit/G.J. pipe/Mooden strip batter/wooden casing an capping/G.J. 2300.00 No 3 N.S Wiring of light or fan form point to point with 3-Nos of 1.5 mm² (20.029°) single core PVC insulated copper conductor cables, in preliaid PVC pipe/M.S. conduit/G.J. pipe/wooden strip batter/wooden casing an capping/G.J. 2300.00 No 4 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 preliaid PVC pipe/M.S. conduit/G.J. pipe/wooden strip batter/wooden casing an capping/G.J. 350.00 No 4 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 preliaid PVC pipe/M.S. conduit/G.J. pipe/wooden strip batter/wooden casing an capping/G.J. 350.00 No	ii	c(vii)	19/1.32 mm (19/0.052")	11000.00	Rft	Per Rft	
with surplus earth from foundation, etc. 15000.00 ctt %o Ctt 6 7/23 Dry brick pitching 600.00 ctt % Ctt 6 7/23 Dry brick pitching 600.00 ctt % Ctt 1 N.S Wiring of light or fan point from switch board to the point with 3-Nos of 1.5 mm² Total 1 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/C.1 pipe/woden strip batter/wooden casing an capping/G.1. wire/trenches in 25mm (7/0.029°) single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/C.1 pipe/wooden strip batter/wooden casing an capping/G.1. wire/trenches in 25mm (7/0.029°) single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/C.1 pipe/wooden strip batter/wooden casing an capping/G.1. wire/trenches in 25mm (7/0.029°) single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/C.1 pipe/wooden strip batter/wooden casing an capping/G.1. wire/trenches in 25mm (7/0.029°) single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.1 pipe/wooden strip batter/wooden casing an capping/G.1. wire/trenches in 25mm (7/0.029°) single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.1 pipe/wooden strip batter/wooden casing an capping/G.1. wire/trenches in 25mm (7/0.029°) single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.1 pipe/wooden strip batter/wooden casing an capping/G.1. wire/trenches in 25mm (7/0.029°) single core PVC insulated cop	4	3/44	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.	15000.00	Cft	%o Cft	
a 1 Number of the second seco	5	3/15-i	Filling, watering and ramming earth under floors:-				
0 1 1 0 0 0 0 1 N.S Electrical Work (Non-Schedule) 1 Total 1 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 2300.00 No 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 2600.00 No 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 2600.00 No Each 3 N.S Wiring of light or fan from point to point with 3-Nos of 1.5 mm² (7/0.029*) single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/			with surplus earth from foundation, etc.	15000.00	Cft	%o Cft	
Electrical Work (Non-Schedule) 1 N.S Wiring of light or fan point from switch board to the point with 3-Nos of 1.5 mm² (30.029") single core PVC insulated copper conductor cables, in prelaid PVC piple/M.S. conduit/G.I pipe/wooden strip batter/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 2300.00 No 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 batter/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 2600.00 No 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 pipie/wooden strip batter/wooden casing an capping/G.I. wire/trenches in 20mm (34") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge 350.00 No 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 batter/wooden casing an capping/G.I. wire/trenches in 20mm (Y4") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge 35	6	7/23	Dry brick pitching	600.00	Cft	% Cft	
Electrical Work (Non-Schedule) Electrical Work (Non-Schedule) 1 N.S Wiring of light or fan point from switch board to the point with 3-Nos of 1.5 mm² (30.029") single core PVC insulated copper conductor cables, in prelaid PVC pipie/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 2300.00 No 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 2600.00 No 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 25mm (1") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge 300.00 No 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 b						Total	
(3/0.029') single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/woden strip batten/woden casing an capping/G.I. wire/trenches in 20mm (3/4') PVC pipe //L.S. conduit/G.I pipe/woden strip batten/woden casing an capping/G.I. wire/trenches in 25mm (1') PVC pipe //L.S. conduit/G.I pipe/woden strip batten/woden casing an capping/G.I. wire/trenches in 25mm (1') PVC pipe //L.S. conduit/G.I pipe/woden strip batten/woden casing an capping/G.I. wire/trenches in 25mm (1') PVC pipe //L.S. conduit/G.I pipe/woden strip batten/woden casing an capping/G.I. wire/trenches in 25mm (1') PVC pipe //L.S. conduit/G.I pipe/woden strip batten/woden casing an capping/G.I. wire/trenches in 25mm (1') PVC pipe //L.S. conduit/G.I pipe/woden strip batten/woden casing an capping/G.I. wire/trenches in 25mm (1') PVC pipe //L.S. conduit/G.I pipe/woden strip batten/woden casing an capping/G.I. wire/trenches in 25mm (3/0.029'') single 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 pipe/M.S. conduit/G.I pipe/woden strip batten/woden 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 350.00 No 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/woden strip batten/woden 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 a a 4 N.S Wiring of Multi/light plug from point to point with 3-Nos of 2.			Electrical Work (Non-Schedule)			Total	
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 batter/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 2600.00 No 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 pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge 350.00 No 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 batter/wooden casing an capping/G.I. wire/trenches in 20mm (%") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge 350.00 No Each	1	N.S	(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.	2300.00	No	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 350.00 No 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 (%") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge 350.00 No Each	2	N.S	2.5 mm ² (7/0.029") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 25mm (1") PVC pipe i/c any accessories required at				
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 350.00 No 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 (%") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge Image: 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 (%") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge Image: 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 (%") 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 (7/0.029") 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 (½") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge Image: Complete in all respect as directed and approved by the Engineer Incharge	3	N.S	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				
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 (%4") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge				350.00	No	Each	
	4	N.S	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 (%/") PVC pipe i/c any accessories required at site. Complete in all respect as				
				280.00	No	Each	

5	N.S	Circuit wiring from MCBs board to Power Plug with 3-Nos of 6 mm ² (7/0.044") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 25mm (1") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge				
			280.00	No	Each	
6	N.S	Providing & laying of PVC/PVC 2-Core flexible 23/0.0076" copper conductor cable				
		i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (KM, Eagle or Equivalent)				
			170.00	М	Per M	
7	N.S	Providing & laying of PVC/PVC 3-Core flexible 40/0.0076" copper conductor cable				
		i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (KM, Eagle or Equivalent)				
			190.00	М	Per M	
8	N.S	Supply & installation of LED 17W Down Light (6" Surface Mounted, 220V~) i/c any				
		accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Meson or Equivalent)	500.00			
			500.00	No	Each	
9	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)	1005.00			
			1225.00	NO	Each	
10	N.S	Supply & installation of Wall Bracket Fan 18" (99.99% Copper) i/c any accessories (i.e. mounting screws & etc) as required at site. Complete in all respect as directed				
		and approved by the Engineer Incharge (Younis, Tamoor, Pakfan or Equivalent)	8.00	Nia	Fach	
			0.00	INO	Each	
11	N.S	Supply & installation of Metal Body Wall Bracket Fan 24" (99.99% Copper) i/c any accessories (i.e. widing of mounting holes and 4.00nos of rawl bolts 1/4" etc) as				
		required at site. Complete in all respect as directed and approved by the Engineer Incharge (SK mega or Equivalent)	3.00	No	Each	
		incharge (SK mega of Equivalent)	0.00	INU	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	520.00	No	Each	
13	N.S	Supply & installation of Metal body Exhaust fan 20" (99.99% Copper) with metal mounting frame i/c any accessories (i.e. screw. Rawl plug/rawl bolt etc.) as				
		required at site. Complete in all respect as directed and approved by the Engineer Incharge (Tamoor, Indus, Pakfan or Equivalent)				
			56.00	No	Each	
14	N.S	Supply & installation of PVC Exhaust fan 12" (99.99% Copper) i/c any accessories				
		(i.e. screw. Rawl plug or steel nail, etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (GFC, Indus, Pakfan or				
		Equivalent)	17.00	No	Each	
15	N.S	Supply & installation of Universal 3-Pole Socket with 13A Switch with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed				
		and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	1040.00	Nia	Fach	
			1040.00	INO	Each	
16	N.S	Supply & installation of a Power plug 15A with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by				
		the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	270.00	No	Each	
17	N.S	Supply & installation of a Fan Dimmer 300W with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by				
		the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	520.00	No	Each	
18	N.S	Supply & installation of a Four Single Pole Switch Plate with plastic back box 3"x 3"				
18	N.5	i/c any accessories required at site. Complete in all respect as directed and				
		approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	44.00	No	Each	
19	N.S	Supply & installation of a Six Single Pole Switch Plate with plastic back box 3"x 6"				
		<i>i/c</i> any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)				
\mid			36.00	No	Each	
20	N.S	Supply & installation of a Eight Single Pole Switch Plate with plastic back box 3"x				
		6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)				
\mid			325.00	No	Each	
21	N.S	Supply & installation of a Four Single Pole Switch & Two 2-Pin Socket Plate with				
		plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or				
\vdash		Equivalent)	8.00	No	Each	
22	N.S	Supply, installation, connection & commissioning of distribution boards, (Sub Main				
		DB-N), Open 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 80 Amps T-p (15KA) 1.00 No, Distribution Miniature Circuit Breaker of 10/20 Amps S-p (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 Hitachi, Schneider Electric, Legrand or equivalent).				
			22.00	No		

23	N.S	Supply, installation, connection & commissioning of distribution boards, (Sub Main DB-E), Open 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 50 Amps T-p (10KA) 1.00 No, Distribution Miniature Circuit Breaker of 10/16 Amps S-p (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 Hitachi, Schneider Electric, Legrand or equivalent).	22.00	No	Each	
24	N.S	Supply, installation, connection & commissioning of 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 Molded Case Circuit Breaker 1000 Amps T-p (36KA) 1.00 No, For DB-N (Main Molded Case Circuit Breaker 630 Amps T-p (36KA) 1.00 No, For DB-N (Main Molded Case Circuit Breaker 80 Amps T-p (15KA) 21.00 Nos) & for DB-E (Main Molded Case Circuit Breaker 400 Amps T-p (36KA) 1.00 No and distribution Molded Case Circuit Breaker 50 Amps T-p (15KA) 21.00 Nos) respectively, Digital Volt, Selector switches, LED Phase lights, Copper bus bars, Earthing bar, Neutral bar and any accessories required at site. Complete in all respects as approved by the engineer incharge. (for MCCB General Electric, Schneider Electric & Legrand).				
			1.00	No	Each	
25	N.S	Providing and Laying earthing for Electric Machines I/c boring up to moisture level (up to 60' below ground level) 4" i/d including copper strip 14" x 2" x 1/4" (350 x 50 x 6 mm) connecting with 1 Nos.bare copper wire of No.8 SWG to be run in PVC pipe 20mm i/d, 1/4" i/d GI pipe 5' long, GI tee & plug for watering also includs common salt, Lime (slaked) and charcoal around copper strip I/c connecting with Electric machine. Complete in all respects as approved and as directed by the engineer incharge.	2.00	Ne		
			3.00	No	Each	
26	N.S	Supply & installation of Wall Light with 3 Watt LED Blub (Philips) (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	130.00	No	Each	
27	N.S	Supply & installation of LED 2'x 2' 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 36S/865 PSU W60L60 GM G2 or Equivalent)	240.00	No	Each	
28	N.S	Supply & installation of 2' x 2' False Ceiling Fan 16" 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)	110.00	No	Each	
29	N.S	Providing & laying of 240 mm ² 4-Core Copper Conductor PVC/PVC/steel wire armoured/PVC (Armoured) cable i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Newage, Pakistan, Copper Gate, Fast or Equivalent)	100.00	м	Per M	
30	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)	425.00	No	Each	
31	N.S	Horizontal boring 4" dia underneath roads, walking path & ramps of houses for crossing of Electric power cables, PVC pipes or Water lines. Complete in all respects as approved and as directed by the engineer incharge.	100.00	Rft	Per Rft	
					Total	
				I	Total	

1	3/21	External Work (Guard Hut, Visitor Room, Tuck Shop & Boundary Wall) Civil Work Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead 'upto one chain (30 m) and lift upto 5 ft. (1.5 m). b) In ordinary soil.	6000.00	Cft	%o Cft
2	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	200.00	Cft	% Cft
3	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- i) Ratio 1:4:8	350.00	Cft	% Cft
		i) Ratio 1:6:12	3500.00	Cft	% Cft
4	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)	350.00	Cft	Per Cft
5	26/42	Spraying anti-termite liquid mixed with water in the ratio of 1:40	600.00	Sft	% Sft
6	7/4	Pacca brick work in foundation and plinth in:- Cement, sand mortar: Ratio 1:6	8500.00	Cft	% Cft
7	6/33	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. 1.5" thick (40 mm)	1900.00	Sft	% Sft

1 1		Ĩ	I	I	1 1	1
8	6/35	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- with one coat of bitumen and one coat of polythene sheet 500 gauge: Ratio 1:3 ¾ " thick (20 mm)	500.00	Sft	% Sft	
9	3/15	Filling, watering and ramming earth under floors:-	500.00	Sit	% Sit	
	+3/17	i) with surplus earth from foundation, etc.	1500.00	Cft	%o Cft	
		ii) with new earth excavated from outside,lead upto 1/4 mile	3000.00	Cft	%o Cft	
10	7/5	Pacca brick work in Cement, sand mortar:- Ratio 1:5 i) Ground Floor (7/5-i)	2500.00	Cft	% Cft	
11	7/5	Pacca brick work in Cement, sand mortar:- Ratio 1:4 i) Ground Floor	100.00	Cft	% Cft	
12	11/10	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. Ratio 1:3	1000.00	Sft	% Sft	
13	11/9	Cement plaster 1:4 upto 20' (6.00 m) height:- i) ½" (13 mm) thick (11/9-b)	37500.00	Sft	% Sft	
		ii) 3/4" (20 mm) thick	6000.00	Sft	% Sft	
14	6/9	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars	1500.00	Ka		
		Deformed Bar 60-Grade	1500.00	Kg	% Kg	
15	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 recorder Tyrop B (naminal mird12:4)				
		situ, complete in all respects Type B (nominal mix1:2:4) using harrow sand Ground Floor	550	Cft	Per Cft	
16	7/30	Supplying and filling sand under floor; or plugging in wells	400.00	Cft	% Cft	
17	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.	400.00	Cft	% Cft	
18	12/50	Providing and fixing 1½" (40mm) thick solid flush door shutter sterling or equivalent with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect.	200.00	Sft	Per Sft	
19	25/53	Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size100mmx 30mm using frame at bottom, at top and side leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gas ket using approved standard latches, wheel, stopper, brush chennel angle joint and hardware	250.00	0.5		
20	25/10	etc.complete in all respect 2 mm thick Fabrication of heavy steel work, with angle, tees, flat iron	250.00	Sft	Per Sft	
20	+11	round iron and sheet iron for making trusses, girders, 'tanks, etc., including cutting, drilling, revitting, handling,				
		assembling and fixing, including erection in position.	1000.00	Kg	% Kg	
21	13/31	Preparing surface & painting with 3 coats Emulsion paint complete in all respects	3000.00	Sft	% Sft	
22	13/5	Painting new surface: Preparing surface and painting of doors and windows any type (including edges):- 3 coats	200.00	Sft	% Sft	
23	13/32	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	41000.00	Sft	% Sft	
24	10/15	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- 2" thick	400.00	Sft	% Sft	
25	12/18	Providing and fixing sliding bolt to doors:- iron sliding bolt, 12" (300 mm) long	10.00	No	Each	
26	10/42	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size $1\frac{1}{2}$ "x3/8" (40x10mm)	400.00	Rft	Per Rft	
27	7/7	Pacca brick work other than building upto 10ft. (3 m) height. cement, sand mortar:- 'Ratio 1:5	8000.00	Cft	% Cft	
28	10/43	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)	9500.00	Sft	P/Sft
		60 mm thick	3300.00	JI	Total
1	N.S	Civil Work (Non-Schedule) Providing, Fabricating and fixing 16 SWG M.S sheet hollow pressed Jamb frame (Factory primme) for door welded with MS flat size 10"x1"x1/8", hold fast i/c welding/screwing 4" long iron hinges, filling concrete for the jamb frame and embedding hold fast in the adjointing walls with 1:2:4 concrete, enamel painting etc. complete in all respects as show on the drawing and/ or as directed by the engineer, in conformance with following size i) 10"x2-1/2" ii) 6"x2-1/2"	250.00 55.00	Sft Sft	Per Sft Per Sft
2	N.S	Providing & Fixing Fair Face Brick Guttka 9"x3"x2.25" (straight or on edges) joint in 1:3 cement surkhi over 3/4" thick (AVG) 1:4 C/S base mortor on wall including laying ornamental bricks in approved pattern, scaffolding & during at any height, complete in all respect as shown on the drawing or as directed by the engineer incharge.	2000.00	Sft	Per Sft
3	N.S	Providing and laying Floor Tile 24"x24" Granite with dry/wet/venied application, DWV series Polished (Dark color) class SB including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineering inch.	950.00	Sft	Per Sft
4	N.S	Providing and laying Floor Tile 12"x18" SP Series on matching color base (Glossy) Dark Color Rectified SB) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineer incharge	60.00	Sft	Per Sft
5	N.S	Providing and laying Dado Tile 12"x18" SP Series on matching color base (Glossy) Dark Color Rectified SB) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineer incharge	250.00	Sft	Per Sft
6	N.S	Providing & Fixing marble 3/4" thick Buticina fency 12"X12" with floating coat of cement over a bed of 3/4" thick cement sand mortor 1:2 over 1" thick PCC 1:2:4 Gray cement, including colour pigment to match with the colour of marble tiles laid with cement sand mortor 1:2 rubbing and chemical Polishing, as approved by Engineering Incharge	30.00	Sft	Per Sft
7	N.S	M.S Steel Grill for windows comprising of 1/2"x1/2" square bar @ 4" c/c with 1.25"x1.25"x1/8" MS box angle iron for frame including painting 3 coats complete in all respect as shown on the drawings, specification and/ or as directed by the Engineer incharge	350.00	Kg	Per Kg
8	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	50.00	Sft	Per Sft
9	N.S	Putti filling for emulsion paint including rubbing and primary coat complete in all respects as approved by the Engineer Incharge.	3000.00	Sft	Per Sft
10	N.S	Providing and fixing ornamental partal wooden architrave 3"x1/2" (75mmx12mm) tapered to 1/4" (6mm) all along the door frame complete in all respect as approved by the Engineer Incharge.	200.00	Sft	Per Sft
11	N.S	Providing and fixing Razor cutt wire fencing double sharp four pointed razors @ 1- 1/4" c/c with 'U' shaped cladding over M.S wire making ring of 24" dia 3 Nos rings in one Rft lenth at 0.66 Kg P/Rft fixed on wall with M.S angle iron post 1.5"x1.5"x3/16" 2'-3" high + and 9" embeded in base of P.C.C 1:2:4 (9"x9"x9"at every 4' apart i/c 2 Nos bars 3/8" dia welded horizentally with angle iron, i/c binding wire i/c painting posts etc. complete in all respects.	1200.00	Rft	Per Rft
12	N.S	Providing and laying Floor Tile 24"x24" with dry/wet/venied application, Salt'Pepper (SPM-110) Dark Polished SB including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineering incharge.	50.00	Sft	Per Sft
					Total
1	3/44	Plumbing work 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	500.00	Cft	%o Cft

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Image:	2	3/42	manholes as shown in drawings including shuttering and timbering, dressing to correct section and	500.00	Cft	%oCft
4 22211 jusce, and 5 mm Thick, test quality. Image: Comparison of the providing justice prime that gains of dimensing control of the prime in prime to use of the prime in the prime in the prime to use of the prime in the prima in the prima in the prima in the prime in the prime in the p			removing surface water in all types of soil except			
Image: Second	3	19/19		1.00	No	Each
0 10/1 4/25 mm) 100.00 PR Print 0 10/1 Providing and fitting glazed earthern ware water closet 1.00 No Each 6 10/2 Providing and fitting glazed earthern ware water closet 1.00 No Each 7 10/3 providing and fitting glazed earthern ware water closet, asguittry the (Close gater) including backst set, water pipe and social set. 3.00 No Each 8 10/8 Providing and fitting glazed earther ware wash hand bacin Social on (22 rth/1) rubuling backst set, water pipe and social set. 3.00 No Each 9 19012 Providing and fitting updaced active wave wash hand bacin Social social set. 3.00 No Each 10 1922 Providing and fitting updace active wave hand bacin Social social set. 3.00 No Each 10 1922 Providing and fitting updace active wave hand bacin Social social set. 3.00 No Each 11 1922 Providing and fitting updace active wave hand bacin Social social set. 3.00 No Each 12 1924 Providing and fitting updace active wave hand baco	4	23/22	G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. Light Quality	100.00	Rft	P/Rft
European type, excluding seat and cover- coloured 1.00 No Each 0 19/2 Providing and fitting diazed earthin ware wash hand beain solurator type (critical time) coloured 3.00 No Each 8 19/0 Providing and fitting diazed earthin ware wash hand beain solurator type (critical time) coloured, with toto test, totoware coupling, etc. 3.00 No Each 9 19/12 Providing and fitting plastic made low down flucting cistom 13.03 the (5 gallwrs) capacity, including tracket set, copper connector, etc. conduced, with bracket set, copper connector, etc. conduced, with bracket set, copper connector, etc. conduced, with bracket and railing. 3.00 No Each 10 19/22 Providing and fitting plastic made low down flucting cistom 13.03 the (5 gallwrs) capacity including tracket set, copper connector, etc. conduced 3.00 No Each 11 19/22 Providing and fitting. 3.00 No Each 11 19/23 Providing and fitting. 3.00 No Each 11 19/24 Providing and fitting chromium plated too stop cock 5.00 No Each 12 19/29 Providing and fitting chromium plated thower rose:- 1.stit to mium (shift chr						
7 193 providing and filing glazzed earthen ware water closed, squater type (Chis pattern), combined with foot rest. 3.00 No 8 196 Providing and filing glazzed earthen ware wash hand basin 56x40 cm (2x*) 45 ¹ including bracket set, water pipe and wate coupling, ext. (clocated, with probabil 3.00 No 9 1912 Providing and filing glazzed earthen ware wash hand basin 56x40 cm (2x*) 45 ¹ including bracket set, water pipe and wate coupling, ext. (clocated, with probabil 3.00 No 10 1912 Providing and filing- ing and filing- ing glazzed paper holder 3.00 No Each 10 1922 Providing and filing- ing and filing- ing glazzed filing 3.00 No Each 11 1922 Providing and filing- ing and filing chronium plated test sets pock 6.00 No Each 11 1923 Providing and filing chronium plated test sets pock 6.00 No Each 12 1928 Providing and filing chronium plated shower rose:- 1.5x10 cm (x*A*) 1.00 No Each 14 1924 Providing and filing chronium plated shower rose:- 1.5x10 cm (x*A*) 1.00 No Each 14 1924 Providing and filing chronium plated shower rose:- 1.5x10 cm (x*A*) 1.00 No Each 15 1924 Providing and filing chronium plated	5	19/1		1.00	No	Each
aquateryop (One peterm), combined with foot rest. coloured 3.00 No Each 8 196 Providing and fitting glazed earthen ware wash hand basin devid or (22×16 ³) including bracket set, wash bape and waste coupling, the potestal 3.00 No Each 9 1912 Providing and fitting glazed earthen ware wash hand basin devid or (22×16 ³) including bracket set, wash band potestal 3.00 No Each 10 1922 Providing and fitting plazed earthen ware wash hand basin diverse outputs, including bracket set, cooper connection, etc. coloured 3.00 No Each 10 1922 Providing and fitting- Plazet couple apper holder 3.00 No Each 11 1922 Providing and foung chromium plated bits cock:- 1.5 cm (%') 3.00 No Each 12 1926 Providing and foung chromium plated bits cock:- 1.5 cm (%') 3.00 No Each 13 1928 Providing and foung chromium plated bits cock:- 1.5 cm (%') 3.00 No Each 14 1929 Providing and foung chromium plated bits cock:- 1.5 cm (%') 3.00 No Each 14 1928 Prov	6	19/2	Providing and fixing, double seat and cover only. bakelite	1.00	No	Each
9 96x40 or (22*16 ²) including bracket aet, wate pipe and wate coupling, etc.) coloured, with pedestal 3.00 No Each 9 19/12 Providing and fitting plastic mede low down flushing distern 13.08 fitting (3 gallons) capacity, including bracket set, copper connection, etc., complete. Coloured 3.00 No Each 10 19/22 Providing and fitting () Plastic toilet paper holder 3.00 No Each 11 19/27 Providing and fitting () Plastic toilet paper holder 3.00 No Each 11 19/27 Providing and fitting chromium plated tes stop cock t5mm (%2) 6.00 No Each 12 19/28 Providing and fitting chromium plated tes stop cock t5mm (%2) 6.00 No Each 13 19/28 Providing and fitting chromium plated tes stop cock t5mm (%2) 6.00 No Each 14 19/28 Providing and fitting chromium plated mixing valve, for wash hand bash, sink or ahover. 1.00 No Each 14 19/24 Providing und fitting P ¹ trap:-0 or (4 ¹) glazed. 3.00 No Each 1 19/34 Providing and f	7	19/3	squatter type (Orisa pattern), combined with foot rest.	3.00	No	Each
9 96x40 or (22*16 ²) including bracket aet, wate pipe and wate coupling, etc.) coloured, with pedestal 3.00 No Each 9 19/12 Providing and fitting plastic mede low down flushing distern 13.08 fitting (3 gallons) capacity, including bracket set, copper connection, etc., complete. Coloured 3.00 No Each 10 19/22 Providing and fitting () Plastic toilet paper holder 3.00 No Each 11 19/27 Providing and fitting () Plastic toilet paper holder 3.00 No Each 11 19/27 Providing and fitting chromium plated tes stop cock t5mm (%2) 6.00 No Each 12 19/28 Providing and fitting chromium plated tes stop cock t5mm (%2) 6.00 No Each 13 19/28 Providing and fitting chromium plated tes stop cock t5mm (%2) 6.00 No Each 14 19/28 Providing and fitting chromium plated mixing valve, for wash hand bash, sink or ahover. 1.00 No Each 14 19/24 Providing und fitting P ¹ trap:-0 or (4 ¹) glazed. 3.00 No Each 1 19/34 Providing and f	8	19/6	Providing and fitting glazed earthen ware wash hand basin			
13.83 life (3 galors): pagacity, including bracket set, copper connection, etc. conjucter. Coloured 3.00 No Each 10 1922 Providing and fitting-) Plastic toolet paper holder 3.00 No Each aii) Plastic toolet paper holder 3.00 No Each aii) Plastic toolet paper holder 3.00 No Each 11 1927 Providing and fitting- in (2*55°) with bracket and railing. 3.00 No Each 11 1927 Providing and fixing chromium plated itee stop cock fism (1/2°) 6.00 No Each 12 19276 Providing and fixing chromium plated blo cock-: 1.5 cm (5/2) 3.00 No Each 13 19278 Providing and fixing chromium plated blo cock-: 1.5 cm (5/2) 3.00 No Each 14 19279 Providing and fixing chromium plated blo cock-: 1.5 cm (5/2) 3.00 No Each 15 19249 Providing and fixing chromium plated mixing valve, for wash nand basin, and so thowar. 1.00 No Each 16 19279 Providing and fixing chromium plated mixing valve, for wash hand basin, and chang, hang, curiting, jointing a feating uPVC drainage pipes of approved quility, ice uPVC drainage pipes of approved			56x40 cm (22"x16") including bracket set, waste pipe and	3.00	No	Each
i) Plastic soap dish 3.00 No Each ii) Plastic toilet paper holder 3.00 No Each iii) Plastic toilet paper holder 3.00 No Each iii) Plastic toilet paper holder 3.00 No Each iii) Plastic shaft 60x13 cm (24*x5*) with bracket and railing. 3.00 No Each 11 19/27 Providing and fixing chromium plated tee stop cock. 6.00 No Each 12 19/28 Providing and fixing chromium plated shower rose:- 1.00 No Each 13 19/28 Providing and fixing chromium plated mixing valve, for wash 1.00 No Each 14 19/28 Providing and fixing chromium plated mixing valve, for wash 1.00 No Each 14 19/28 Providing and fixing *D trap:-10 cm (4*) glazed. 3.00 No Each 15 19/34 Providing and fixing *D trap:-10 cm (4*) glazed. 3.00 No Each 14 19/29 Providing and fixing *D trap:-10 cm (4*) glazed. 3.00 No Each 14 19/34 Providing and fixing *D trap:-10 cm (4*) glazed. 50.00 Rt Providing *D trap: 10 cm (4*) glazed. 15 19/34 Providing and fixing *D trap: and anto	9	19/12	13.63 litre (3 gallons) capacity, including bracket set, copper	3.00	No	Each
ii) Plastic toolet paper holder 3.00 No Each iii) Plastic toolet rail 3.00 No Each iii) Plastic towel rail 6.00 No Each iii) Plastic towel rail Forviding and fixing chromium plated bib cock: -1.5 cm (½') 3.00 No Each iii) Plastic towel rail Providing and fixing chromium plated bib cock: -1.5 cm (½') 3.00 No Each iii) Plastic towel rail Providing and fixing chromium plated mixing valve, for wash 1.00 No Each iiii Providing and fixing, chromium plated mixing valve, for wash 1.00 No Each iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	10	19/22		3.00	No	Fach
iii) Plastic towel ral 3.00 No Each iii) Plastic shelf 60x13 cm (24*x5°) with bracket and railing. 3.00 No Each 11 1927 Providing and fixing chromium plated tee stop cock 6.00 No Each 12 1926 Providing and fixing chromium plated bib cock1.5 cm (%°) 3.00 No Each 13 1928 Providing and fixing chromium plated shower rose:- 1.00 No Each 14 1929 Providing and fixing chromium plated mixing valve, for wash hand basin, sink or shower. 1.00 No Each 15 19/34 Providing and fixing "P" trap:-10 cm (4") glazed. 3.00 No Each 1 N.S Providing, fixing, cutting, jointing & testing uPVC drainage ting with soil vent cement jointing. "Type-Br or approved quality, lates to cost of lamping to walls and celling, hangers supports, cutting frough wall & providing, fixing, cutting, jointing & testing polynopylene Random (PPR) pipes of approved quality, loc old water as per DIN 8077-8078, PN-20 for pipes and DIN 10622, PN-23 for thitting soil speces through sinde building good the chases and DIN 10624, PN-23 for thitting good the chases and DIN 10624, PN-23 for thitting soil speces. 100.00 Rt Per Rtt 2 N.S Providing & Fixing uPVC P-trap 4" dia of approved quality. 100.00 Rt Per Rtt 3 N.S Providing & Fixing uPVC P-trap 4" dia o						
w) Plastic shelf 60x13 cm (24*x5*) with bracket and railing. 3.00 No Each 11 19/27 Providing and fixing chromium plated tee stop cock form (%) 6.00 No Each 12 19/28 Providing and fixing chromium plated bib cock: -1.5 cm (%*) 3.00 No Each 13 19/28 Providing and fixing chromium plated shower rose:- 1.00 No Each 14 19/29 Providing and fixing chromium plated mixing valve, for wash hand basin, sink or shower. 1.00 No Each 15 19/34 Providing and fitting "P" trap:-10 cm (4*) glazed. 3.00 No Each 1 N.S Plumbing work (Non-Schedule) Total Total 1 N.S Plumbing work (Non-Schedule) Total S0.00 Rt 1 N.S Plumbing work (Non-Schedule) For valing, fixing, jointing and teeling, hangers supports, cutting and mixing sleves through concrete slab for pipe line & pipe fitting of following dia meters 50.00 Rt Per Rt 2 N.S Providing, fixing, jointing and testing polypropylene Random (PPR) pipes of approved quality, for cold water as per DIN 807-7						
11 19/27 Providing and fixing chromium plated tee stop cock form (X*) 6.00 No Each 12 19/26 Providing and fixing chromium plated bib cock: -1.5 cm (X*) 3.00 No Each 13 19/28 Providing and fixing chromium plated shower rose:- 1.5x10 cm (X*x4*) 1.00 No Each 14 19/29 Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower. 1.00 No Each 15 19/24 Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower. 1.00 No Each 16 19/24 Providing, fixing, cutting, jointing & testing uPVC drainage pipes of approved quality. ito uPVC drainage fitting with soil vent chement jointing. 'Type-B' or gaps supports, cutting through wall & providing sleeves through concrete slab for pipe line & pipe fitting of following dia meters i) 4* i/d 50.00 Rt Per Rt 2 N.S Providing, fixing, jointing and testing polypropylene Random (PPR) pipes of approved quality, for coid water as per DIN 807-8078, Ph-20 for pipes and DIN 16862, Ph-25 for fittings (polytusion weided joints) inside building including fittings and specials (socket), ese, elbows, bends, crosses, reducers, adaptor, plugs and union to; precessed including pipe hangers, supports, cutting and making good the chases and hole complete in all respects.						
15mm (x ²) 6.00 No Each 12 19/28 Providing and fixing chromium plated bib cock: 1.5 cm (½") 3.00 No Each 13 19/28 Providing and fixing chromium plated shower rose:- 1.5x10 cm (½"x4") 1.00 No Each 14 19/29 Providing and fixing chromium plated mixing valve, for wash hand basin, sink or shower. 1.00 No Each 15 19/24 Providing and fitting "P" trap:-10 cm (4") glazed. 3.00 No Each 1 N.S Providing, fixing, cutting, jointing & testing uPVC drainage pipes of approved quality, fix uPVC drainage fitting with soil vent carent jointing. "Type-9" or approved quality fix us l/c cost of clamping to walls and celling, hangers supports, uting through wall & providing aleeves through concrete slab for pipe line & pipe fitting of following dia meters j) 4" i/d 50.00 Rt Per Rt 2 N.S Providing, fixing, jointing and testing polypropylene Random (PPR) pipes of approved quality, for cold water as per DIN 8075-8078, PN-20 for pipes and DIN 16662, PN-25 for fittings (polyfusion welled joints) inside building including fittings and specials (sockst, tese, shows, bends, crosses, reducers, adaptor, plugs and union e(t) recessed in walls or suspended form or of slab or run in chases including pipe hangers, supports, cutting and making good the chases and hole complete in all respects. j) 25mm o.d 100.00 Rt Per Rt 3 N.S Providing & Fixing uPVC P-trap 4" dia of approved quality.	11	10/27		5.00	NO	Each
13 19/28 Providing and fixing chromium plated shower rose:- 1.5/10 cm (½*x4') 1.00 No Each 14 19/29 Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower. 1.00 No Each 15 19/34 Providing and fitting "P" trap:- 10 cm (4") glazed. 3.00 No Each 1 N.S Providing, fixing, cutting, lointing & testing uPVC drainage pipes of approved quality. Icu UPVC drainage fitting with soil vent cement jointing, "Type-B" or approved quality. Icu UPVC drainage fitting with soil vent cement jointing, "Type-B" or approved quality. Icu UPVC drainage fitting with soil vent cement jointing, "Type-B" or approved quality. Icu UPVC drainage fitting with soil vent cement jointing, "Type-B" or approved quality. Icu UPVC drainage fitting with soil vent cement jointing, "Type-B" or approved quality. Icu UPVC drainage fitting with soil vent cement jointing, "Type-B" or approved quality. Icu UPVC drainage fitting with soil vent cement jointing, "Type-B" or approved quality. Icu UPVC drainage fitting with soil vent cement jointing and testing polypropylene Random (PPR) pipes of approved quality. for cold water as per DIN 8077-8078, PN-20 for pipes and DIN 16962, PN-25 for fittings (polytision veldel joints) inside building including fittings and specials (sockets, tess, elbows, bends, crosses, reducers, adaptor, plugs and union etc) recessed in culling pipe hangers, supports, cutting and making good the chases and hole complete in all respects. i) 25mm o.d 100.00 Rt Per Rt 3 N.S Providing & Fixing uPVC P-trap 4" dia of approved quality 3.00 No Each		19/27		6.00	No	Each
14 19/29 Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower. 1.00 No Each 15 19/34 Providing and fitting "P" trap:-10 cm (4") glazed. 3.00 No Each 1 N.S Providing, fixing, cutting, jointing & testing uPVC drainage pipes of approved quality, icu uPVC drainage fitting with soil vent cement jointing, "Type-B" or approved equal, rates i/c cost of clamping to walls and celling, hanger supports, cutting through wilk a providing fistews through concrete slab for pipe line & pipe fitting of following dia meters 50.00 Rt Per Rtt 2 N.S Providing, fixing, jointing and testing polypropylene Random (PPR) pipes of approved quality, for cold water as per DIN 8077-8075, RN-20 for fittings (polyfusion welded joints) inside building including fitting and specials (sockets, tese, elbows, bends, crosses, reducers, adaptor, plugs and union etc) recessed in walls or suspended form roof slab or run in chases including pipe hangers, supports, cutting and making good the chases and hole complete in all respects. 100.00 Rt Per Rtt 3 N.S Providing & Fixing uPVC P-trap 4" dia of approved quality, for cold waters of approved quality of following or supported ting and making good the chases and hole complete in all respects. 100.00 Rt Per Rtt 3 N.S Providing & Fixing uPVC P-trap 4" dia of approved quality, fitting, and fixing, fitting, pating, testing, complete in all respects to match with PPPK/UPVC pipes of following diameters. 100.00 Rt	12	19/26	Providing and fixing chromium plated bib cock:- 1.5 cm (½")	3.00	No	Each
15 19/34 Providing and fitting "P" trap:- 10 cm (4") glazed. 3.00 No Each 15 19/34 Providing, and fitting "P" trap:- 10 cm (4") glazed. 3.00 No Each 1 N.S Plumbing work (Non-Schedule) Total Total 1 N.S Providing, fixing, ciuting, 8 testing uPVC drainage fitting with soil vent cement jointing, "Type-B" or approved equal, rates <i>icc</i> cost of clamping to walls and celling, hangers supports, cutting through wall & providing sleeves through concrete slab for pipe line & pipe fitting of following dia meters 50.00 Rft Per Rft 2 N.S Providing, fixing, jointing and testing polypropylene Random (PPR) pipes of approved quality, for cold water as per DIN 8077-8078, PN-20 for pipes and DIN 16962, PN-25 for fittings (polyfusion welded joints) inside building including fittings and specials (sockets, tes., elbows, bends, crosses, reducers, adaptor, plugs and union etc) recessed in walls or suspended form roof slab or run in chases including pipe hangers, supports, cutting and making good the chases and hole complete in all respects. 100.00 Rft Per Rft 3 N.S Providing & Fixing uPVC P-trap 4" dia of approved quality 3.00 No Each 4 N.S Providing and installing Brass Ball/ Handle valves of approved quality of following diameters. 100.00 Rft Per Rft	13	19/28		1.00	No	Each
Plumbing work (Non-Schedule) Total 1 N.S Providing, fixing, cutting, jointing & testing uPVC drainage fitting with soil vent cement jointing, "Type-B" or approved quality, <i>lic</i> uPVC drainage fitting with soil vent cement jointing, "Type-B" or approved quality, and genes supports, cutting through wall & providing sleeves through concrete slab for pipe line & pipe fitting of following dia meters i) 4 * <i>i</i> /d 50.00 Rft Per Rft 2 N.S Providing, fixing, jointing and testing polypropylene Random (PPR) pipes of approved quality, for cold water as per DIN 8077-8078, PN-20 for pipes and DIN 16962, PN-25 for fittings (polyfusion welded joints) inside building including fittings (polyfusion welded joints) inside building including fittings (polyfusion welded joints) inside building including including fittings (polyfusion welded joints) inside building including the chases and hole complete in all respects. 100.00 Rft Per Rft 3 N.S Providing & Fixing uPVC P-trap 4" dia of approved quality 3.00 No Each 4 N.S Providing and installing Brass Ball/ Handle valves of approved quality of following diameters. 3.00 No Each	14	19/29		1.00	No	Each
1 N.S Providing, fixing, cutting, jointing & testing uPVC drainage pipes of approved quality, <i>ic</i> uPVC drainage fitting with soil vent ceremet jointing, "Type-B" or approved equal, rates <i>i/c</i> cost of clamping to walls and ceiling, hangers supports, cutting through wall & providing sleeves through concrete slab for pipe line & pipe fitting of following dia meters i) 4" i/d 50.00 Rt Per Rtt 2 N.S Providing, fixing, jointing and testing polypropylene Random (PPR) pipes of approved quality, for cold water as per DIN 8077-8078, PN-20 for pipes and DIN 16962, PN-25 for fittings (polytasion welded joints) inside building including fittings and specials (sockets, tees, elbows, bends, crosses, reducers, adaptor, plugs and union etc) recessed in wells or suspended form roof slab or run in chases including pipe hangers, supports, cutting and making good the chases and hole complete in all respects. 100.00 Rt Per Rtt 3 N.S Providing a Fixing uPVC P-trap 4" dia of approved quality 3.00 No Each 4 N.S Providing and installing Brass Ball/ Handle valves of approved quality of following nominal dia, including jointing, fitting, testing, complete in all respects to match with PPR/uPVC pipes of following diameters. 3.00 No Each	15	19/34	Providing and fitting "P" trap:- 10 cm (4") glazed.	3.00	No	
2N.SProviding, fixing, jointing and testing polypropylene Random (PPR) pipes of approved quality, for cold water as per DIN 8077-8078, PN-20 for pipes and DIN 16962, PN-25 for fittings (polyfusion welded joints) inside building including fittings and specials (sockets, tees, elbows, bends, crosses, reducers, adaptor, plugs and union etc) recessed in walls or suspended form roof slab or run in chases including pipe hangers, supports, cutting and making good the chases and hole complete in all respects. i) 25mm o.d100.00RftPer Rft3N.SProviding & Fixing uPVC P-trap 4" dia of approved quality3.00NoEach4N.SProviding and installing Brass Ball/ Handle valves of approved quality of following nominal dia, including jointing, fitting, painting, testing, complete in all respects to match with PPR/uPVC pipes of following diameters.Solution of the complete in all respects to match	1	N.S	Providing, fixing, cutting, jointing & testing uPVC drainage pipes of approved quality, i/c uPVC drainage fitting with soil vent cement jointing, " Type-B" or approved equal, rates i/c cost of clamping to walls and ceiling, hangers supports, cutting through wall & providing sleeves through concrete slab for pipe line & pipe fitting of following dia meters	50.00	Rft	Per Rft
2 N.S Providing, fixing, jointing and testing polypropylene Random (PPR) pipes of approved quality, for cold water as per DIN 8077-8078, PN-20 for pipes and DIN 16962, PN-25 for fittings (polyfusion welded joints) inside building including fittings and specials (sockets, tees, elbows, bends, crosses, reducers, adaptor, plugs and union etc) recessed in walls or suspended form roof slab or run in chases including pipe hangers, supports, cutting and making good the chases and hole complete in all respects. i) 25mm o.d 100.00 Rft Per Rft 3 N.S Providing & Fixing uPVC P-trap 4" dia of approved quality 3.00 No Each 4 N.S Providing and installing Brass Ball/ Handle valves of approved quality of following nominal dia, including jointing, fitting, painting, testing, complete in all respects to match with PPR/uPVC pipes of following diameters. Image: Complete in all respects to match Image: Complete in all respects to match						
i) 25mm o.d100.00RftPer Rftii) 32mm o.d150.00RftPer Rft3N.SProviding & Fixing uPVC P-trap 4" dia of approved quality3.00NoEach4N.SProviding and installing Brass Ball/ Handle valves of approved quality of following nominal dia, including jointing, fitting, painting, testing, complete in all respects to match with PPR/uPVC pipes of following diameters.Image: Complete in all respects to matchImage: Complete in all respects to match	2	N.S	Providing, fixing, jointing and testing polypropylene Random (PPR) pipes of approved quality, for cold water as per DIN 8077-8078, PN-20 for pipes and DIN 16962, PN-25 for fittings (polyfusion welded joints) inside building including fittings and specials (sockets, tees, elbows, bends, crosses, reducers, adaptor, plugs and union etc) recessed in walls or suspended form roof slab or run in chases including pipe hangers, supports, cutting and making good			
3 N.S Providing & Fixing uPVC P-trap 4" dia of approved quality 3.00 No Each 4 N.S Providing and installing Brass Ball/ Handle valves of approved quality of following nominal dia, including jointing, fitting, painting, testing, complete in all respects to match with PPR/uPVC pipes of following diameters. S.00 No Each				100.00	Rft	Per Rft
4 N.S Providing and installing Brass Ball/ Handle valves of approved quality of following nominal dia, including jointing, fitting, painting, testing, complete in all respects to match with PPR/uPVC pipes of following diameters.			ii) 32mm o.d	150.00	Rft	Per Rft
approved quality of following nominal dia, including jointing, fitting, painting, testing, complete in all respects to match with PPR/uPVC pipes of following diameters.	3	N.S	Providing & Fixing uPVC P-trap 4" dia of approved quality	3.00	No	Each
	4	N.S	approved quality of following nominal dia, including jointing, fitting, painting, testing, complete in all respects to match			
			i) 25 mm O.D	1.00	No	Each
ii) 32 mm O.D 1.00 No Each			ii) 32 mm O.D	1.00	No	Each
5 N.S Providing & Fitting Steel floor jali best quality complete in all	5	N.S	Providing & Fitting Steel floor jali best quality complete in all			

		respect as per specifications and drawings and as approved by the Engineer Incharge.	3.00	No	Each
					Total
		Electrical Work (Schedule)			
1	24/6	Supply and erection PVC pipe for recessed wiring (main and sub-main) purpose, including bends, specials, etc. in floor, wall or trenches:-			
		50 mm i/d	200.00	Rft	Per Rft
2	24/3	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries and repairing surface, etc., complete with			
		all specials.			
		25 mm i/d	1750.00	Rft	Per Rft
3	24/10-a	Supply and erection of single core PVC insulated copper conductor cables, in			
5	24/10-a	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")	700.00	Rft	Per Rft
		ii) 7/0.74 mm (7/0.029")	850.00	Rft	Per Rft
		iii) 7/1.12 mm (7/0.044")	3700.00	Rft	Per Rft
4	24/13	Supply and erection of copper conductor cables for service connection, in prelaid			
		pipe/G.I. wire/trenches, etc. (rate for cable only): PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable:-			
i	c(vi)	7/1.63 mm (7/0.064")	250.00	Rft	Per Rft
5	3/44	Excavation of trenches in all kinds of soil, except cutting 'rock, for water supply		$\left - \right $	
5	5/44	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. complete in all respects.	15000.00	Cft	%o Cft
6	3/15-i	Filling, watering and ramming earth under floors:-			
		with surplus earth from foundation, etc.	15000.00	Cft	%o Cft
	=/00	Des heider Steller			
7	7/23	Dry brick pitching	600.00	Cft	% Cft
					Total
1	N.S	Electrical Work (Non-Schedule) Wiring of light or fan point from switch board to the point with 3-Nos of 1.5 mm ²			
·	N.0	(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	30.00	No	Each
2	N.S	Circuit wiring from MCBs board to gang switch board/multi light plug with 3-Nos of 2.5 mm ² (7/0.029") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.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	10.00	No	Each
3	N.S	Wiring of light or fan from point to point with 3-Nos of 1.5 mm ² (3/0.029") single			
5	N.3	core PVC insulated copper conductor cables, in prelad 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	15.00	Na	Each
			10.00	NU	Laur
4	N.S	Wiring of Multi/light plug from point to point with 3-Nos of 2.5 mm ² (7/0.029") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 20mm (%") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	6.00	No	Each
5	NO	Circuit wiring from MCRs board to Dower Dive with 2 Nos of C +++2 (7/0.044)			
J	N.S	Circuit wiring from MCBs board to Power Plug with 3-Nos of 6 mm ² (7/0.044") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 25mm (1") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	5.00	No	Each
6	N.S	Supply & installation of LED 17W Down Light (6" Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Meson or Equivalent)	8.00	No	Each
			0.00	UNI	
7	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)	12.00	No	Each
8	N.S	Supply & installation of Wall Bracket Fan 18" (99.99% Copper) i/c any accessories (i.e. mounting screws & etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Younis, Tamoor, Pakfan or Equivalent)	1.00	No	Each
9	N.S	Supply & installation of Metal Body Wall Bracket Fan 24" (99.99% Copper) i/c any accessories (i.e. widing of mounting holes and 4.00nos of rawl bolts ¼" etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (SK mega or Equivalent)	1.00	No	Each
10	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	5.00	No	Each
			5.00	UNI	Each

No. No. No. Construction 11 N.S. Supple 5 multilitation of PLC Parsed bits 12 (0000% Coxpet) with any excessore of the second of the second bits 12 (0000% Coxpet) with any excessore of the second bits 12 (00000% Coxpet) wi						
box if x if way accessories regulated at the Compatit in all respect is directed 10.00 box Each 13 N.S Supply is reliable of a Power plug 150 were place to back box ?3x ?1k ary concerving equine d all to. Compatit in all respect at all for equine at a source of the equine of the compatition of a respect to all	11	N.S	(i.e. screw. Rawl plug or steel nail, etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (GFC, Indus, Pakfan or	5.00	No	Each
Increase Subscription	12	N.S	box 3"x 3" i/c any accessories required at site. Complete in all respect as directed	10.00	No	Each
Increase Subscription						
Increasing and a site. Complete in all respect as directed and approved by the propert of the propropropertis propert of the propert of the propert of the propert	13	N.S	accessories required at site. Complete in all respect as directed and approved by	5.00	No	Each
No Supply Analytics of Park Subto Plate with proste ball backed and supply analytics of Park Subto Plate with prate bank too 5° X ° for any consorter required at the Complete in all respect as directed and supprived by the Engineer Incharge (Philips ECO Series 22 or Equivalent) 2.00 No Each 16 N.S. Supply & statistics of a SUS Single Pole Subto Plate with poletic back too 5° X ° for any consorter required at the Complete in all respect as directed and supprived by the Engineer Incharge (Philips ECO Series 22 or Equivalent) 2.00 No Each 17 N.S. Supply & statistics of a Equit Single Pole Susto Plate with poletic back too 5° X ° for any consorter required at the Complete in all respect as directed and supprived by the Engineer Incharge (Philips ECO Series 22 or Equivalent) 5.00 No Each 18 N.S. Supply farstation of a Equir Single Pole Susto Plate with poletic back too 5° X ° for any consorties required at the Complete in all respect as directed and supprived by the Engineer Incharge (Philips ECO Series 22 or Equivalent) 5.00 No Each 19 N.S. Supply relatistication or execution and constation of the Single Pole	14	N.S	accessories required at site. Complete in all respect as directed and approved by	5.00	No	Each
It is any accessories required as the Complete nal treeped as directed and exponent of the Engineer Instance, (Philips ECO Series (2 or Equivalent) 2.00 No Each 17 N.S. Registry & Finalization of a Flight Stight Pale shull- Plane with plants back that 3'r of the any accessories required at site. Complete is all respect as directed and approved by the Engineer Instance, (Philips ECO Series (2 or Equivalent)) 5.00 No Each 18 N.S. Stagpt & Finalization of a Four Single Pole Shull-B Two 2 Pril Stockel Pale with approved by the Engineer Instance, (Philips ECO Series (2 or Equivalent)) 2.00 No Each 19 N.S. Stagpt A installation of a Four Single Pole Shull-B Two 2 Pril Stockel Pale with approved by the Engineer Instance, (Philips ECO Series (2 or Equivalent), (Series they with morth discing and discing (Philips ECO Series (2 or Equivalent), (Series they with morth discing (Philips ECO Series (2 or Equivalent), (Series they with morth discing (Philips ECO Series (2 or Equivalent), (Series they with morth discing (Philips ECO Series (2 or Equivalent), (Series they with morth discing (Philips ECO Series (2 or Equivalent), (Series they with morth discing (Philips ECO Series (2 or Equivalent), (Series they with the Engineer Instance, (Series 1900), (Series 1900)	15	N.S	i/c any accessories required at site. Complete in all respect as directed and	3.00	No	Each
B ⁺ Complete all alls. Complete all all respond a strine to 2 million of the Equivalent) Each 18 N.S. Stopp & Enduation of a Puri Single PME Solid & Too 2 million Port of the Solid Puri Single PME Solid PL Too 2 million Port of the Solid	16	N.S	i/c any accessories required at site. Complete in all respect as directed and	2.00	No	Each
8 th Ce intra-accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series 02 or Equivalent) 5.00 No Each 18 N.S. Supplet & Installation of a Paur Single Poils Bakin & Too 2 Pin Stocket PDate Notes 02 or 2000 No Each 19 N.S. Supplet & Installation of a Paur Single Poils Bakin & Too 2 Pin Stocket PDate Notes 02 or 2000 No Each 19 N.S. Supplet & Installation of a Paur Single Poils Bakin & Too 2 Pin Stocket PDate Notes 02 or 2000 No Each 19 N.S. Supplet & Installation of a Paur Single Poils Bakin & Too 2 Pin Stocket PDate Notes 02 or 2000 No Each 19 N.S. Supplet / Net Regime Poils Eco Sines 02 or 1000 Note Eco Pin Paur Single Poils Bakin Point Poils Note 02 or 2000 Note Eco Pin Paur Single Poils Bakin Point Poils						
plase back box 3% 0° (or any accessories required at set). Complete in all respect as directed and approved by the Engineer Inchange. (Philips ECO Series Q2 or Equivalent). 2.00 No Each 19 N.S Supply, Installation, connecton & commissioning of distribution boards, (Sub Mininged glass door, hands; and 2 coulds of Approved paint, (Size 15% 2CF) including backboard backboard backboard dealge, made of M.S. Sheet 12 SWG with hinged glass door, hands; and 2 coulds of Approved paint, (Size 15% 2CF) including backboard backboard dealge, made of M.S. Sheet 12 SWG with hinged glass door, hands; and 2 coulds of Approved paint, (Size 15% 2CF) including backboard backboard dealge, made of M.S. Sheet 12 SWG with the made could backboard dealge. The could dealge material stress of the could backboard dealge material stress of the could backboard dealge. The could dealge material stress of the could backboard dealge. The could dealge material stress of the could backboard dealge material stress of the could backboard dealge material stress of the could backboard dealge. The could dealge material stress of the could backboard dealge material stress of the could backboard dealge material stress of the could backboard dealge. The could dealge material stress of the could backboard dealge material stress of the could backboard dealge. The could dealge material stress of the could backboard dealge material stress of the could backboard dealge. The could dealge deal	17	N.S	6" i/c any accessories required at site. Complete in all respect as directed and	5.00	No	Each
Lishi, Open type Wall mounted design, made of M.S. Sheet 18 SWC with hinged glass dor, handle, and 2 coals of Approved paint (Size 15:x24) 100 No, Distribution Maintare Circuit Breaker of 1002 Amps 27 (EKA) 13.00 No, Distribution Maintare Circuit Breaker of 1002 Amps 27 (EKA) 13.00 No, Distribution Maintare Circuit Breaker of 1002 Amps 27 (EKA) 13.00 No, Lie. Earthwards and Nu 2015; Earthing bar, Neutral bar and any accessories (i.e. Earthwards and Nu 2015; Earthing bar, Neutral bar and any accessories (i.e. Earthwards and Nu 2015; Earthing bar, Neutral bar and any accessories (i.e. Earthwards and Nu 2015; Earthing bar, Neutral bar and any accessories (i.e. Earthwards and Nu 2015; Earthing bar, Neutral bar and any accessories (i.e. Earthwards and Nu 2015; Earthing bar, Neutral bar and any accessories (i.e. Earthwards and Nu 2015; Earthing bar (Earthing Amps) 1.00 No 20 N.S. Providing and Laying earthing for Electric Machines lib boring up to moisture level (i.g. to 60 fbioled) and unanced anound copper strp 14: 22: x14 (20 x 50 x 8 mm) connecting with 1 Nos bare copper wire of No 8 SWG to be run in PVC pite 20mm 110; 17: Vid G 1 ppe 100; Gl te & 8 byle valueing also includs common sati, Line (Ealed) and dramcoal anound copper strp 10: connecting with Ealertin machine. 2.00 No Each 21 N.S. Supply 3 installation of VPC Fan Box with in ton bar i/c any accessories required at alse. Complete in all respect as directed and approved by the Engineer incharge. 5.00 No Each 23 N.S. Supply 4 installation of VPC Fan Box with into bar i/c any accessories required at alse. Complete in all respect as directed and approved by the Engineer incharge. (FMI Complete purchase and tax docentents) (PEL, Transfopower or Eq	18	N.S	plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or	2.00	No	Each
21 N.S Supply & installation of Wall Light with 3 Watt LED Blub (Philips) (220V-, 6500K) I/C any accessories required at site. Complete in all respect as directed and approved by the Engineer incharge. 2.00 No Each 21 N.S Supply & installation of Wall Light with 3 Watt LED Blub (Philips) (220V-, 6500K) I/C any accessories required at site. Complete in all respect as directed and approved by the Engineer incharge. 1 2.00 No Each 22 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) 5.000 No Each 23 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) 5.000 No Each 24 N.S Supply & installation of Zommi XLPE/PVC/SWA/PVC, 8.7/15Kv Aluminum connection group, DV-11 oil immersed natural cocled with HV & LV protections (Bc per WAPDA standard) (in any accessories required at site. Complete in all respects as a proved by the Engineer incharge. (with complete purchase and tax documents) (PEL, Transfopower or Equivalent) 1.00 No Each 24 N.S Supply an installation of 120mm ² , XLPE/PVC/SWAPVC, 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 (19	N.S	DB-N), Open 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 80 Amps T-p (15KA) 1.00 No, Distribution Miniature Circuit Breaker of 10/20 Amps S-p (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.	1.00	No	
1/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. 12.00 No Each 22 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) 5.00 No Each 23 N.S Supply & Installation & commissioning of 400 KVA (11 KV/415V) 3-phase, 50 Hz step down Pad mounted / enclosed type distribution Transformer having connection group. DV-11 oil immersed natural cooled with HV & LV protections (as per WAPDA standard) i/c any other accessories required at site. Complete in all respects as approved by the Engineer incharge. (with complete purchase and tax documents) (PEL, Transfopower or Equivalent) 1.00 No Each 24 N.S Supply & Laying of 3-core, 120mm ² , 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) 90.00 M Per M 25 N.S Supply and installation of 120mm ² , 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 (Raychern or Equivalent) 2.00 No Each 26 N.S Supply & installation of 10e-Cast Aluminum LED Boundary Light 27W (220V-, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips, BRP210 LED 34 or Equivalent). 48.00 No Each	20	N.S	(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) and charcoal around copper strip I/c connecting with	2.00	No	Each
1/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. 12.00 No Each 22 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) 5.00 No Each 23 N.S Supply & Installation & commissioning of 400 KVA (11 KV/415V) 3-phase, 50 Hz step down Pad mounted / enclosed type distribution Transformer having connection group. DV-11 oil immersend antural cooled with HV & LV protections (as per WAPDA standard) i/c any other accessories required at site. Complete in all respects as approved by the Engineer incharge. (with complete purchase and tax documents) (PEL, Transfopower or Equivalent) 1.00 No Each 24 N.S Supply & Laying of 3-core, 120mm ² , 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) 90.00 M Per M 25 N.S Supply and installation of 120mm ² , 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 (Raycher or Equivalent) 2.00 No Each 26 N.S Supply & installation of 10e-Cast Aluminum LED Boundary Light 27W (220V-, 6500K) // c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips, BRP210 LED 34 or Equivalent). 48.00 No Each <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
site: Complete in all respect as directed and approved by the Engineer Incharge. 5.00 No Each 23 N.S Supply & Installation & commissioning of 400 KVA (11 KV/415V) 3-phase, 50 Hz step down Pad mounted / enclosed type distribution Transformer having connection group. DV:11 oil immersed natural cooled with HV & LV protections (as per WAPDA standard) i/c any other accessories required at site. Complete in all respects as approved by the Engineer incharge. (with complete purchase and tax documents) (PEL, Transformer, available to any accessories required at site. Complete in all respect as directed and approved by the Engineer incharge (Fast Cable or Equivalent) No Each 24 N.S Supply & Laying of 3-core, 120mm*, 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) No Per M 24 N.S Supply and installation of 120mm*, 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 (Fast Cable or Equivalent) 90.00 No Each 25 N.S Supply and installation of 120mm*, 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 (Pait Sect as directed and approved by the Engineer Incharge (Pait Sect as directed and approved by the Engineer Incharge (Philips, BRP210 LED 34 or Equivalent). No Each 26 N.S Supply & inst	21	N.S	i/c any accessories required at site. Complete in all respect as directed and	12.00	No	Each
step down Pad mounted / enclosed type distribution Transforme having connection group, DY-11 oil immersed natural cooled with HV & LV protections (as per WAPDA standard) i/c any other accessories required at site. Complete in all respect as approved by the Engineer incharge. (with complete purchase and tax documents) (PEL, Transfopower or Equivalent) 1.00 No Each 24 N.S Supply & Laying of 3-core, 120mm ² , 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) 90.00 M Per M 24 N.S Supply & Laying of 3-core, 120mm ² , 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) 90.00 M Per M 25 N.S Supply and installation of 120mm ² , 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 No Each 26 N.S Supply & installation of Die-Cast Aluminum LED Boundary Light 27W (220V-, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips, BRP210 LED 34 or Equivalent). 48.00 No Each 26 N.S Supply & installation of 11-KV Dropout Fuse assemblies Set i/c any accessories a a	22	N.S	site. Complete in all respect as directed and approved by the Engineer Incharge.	5.00	No	Each
24 N.S Supply & Laying of 3-core, 120mm², XLPE/PVC/SWA/PVC, 8.7/15Kv Aluminum conductor cable i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Fast Cable or Equivalent) 90.00 M Per M 25 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 No Each 26 N.S Supply & installation of Die-Cast Aluminum LED Boundary Light 27W (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips, BRP210 LED 34 or Equivalent). 48.00 No Each 27 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 Each	23	N.S	step down Pad mounted / enclosed type distribution Transformer having connection group, DY-11 oil immersed natural cooled with HV & LV protections (as per WAPDA standard) i/c any other accessories required at site. Complete in all respects as approved by the Engineer incharge. (with complete purchase and tax			
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) 90.00 M Per M 25 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 No Each 26 N.S Supply & installation of Die-Cast Aluminum LED Boundary Light 27W (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips, BRP210 LED 34 or Equivalent). 48.00 No Each 27 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 Each				1.00	No	Each
accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.(Raychem or Equavalent) 2.00 No Each 26 N.S Supply & installation of Die-Cast Aluminum LED Boundary Light 27W (220V~, 6500K) <i>i/c</i> any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips, BRP210 LED 34 or Equivalent). A8.00 No Each 27 N.S Supply & installation of 11-KV Dropout Fuse assemblies Set <i>i/c</i> any accessories required at site. Complete in all respect as directed and approved by the Engineer Image: Complete in all respect as directed and approved by the Engineer	24	N.S	conductor cable i/c any accessories required at site. Complete in all respect as	90.00	м	Per M
6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips, BRP210 LED 34 or Equivalent). 48.00 No Each 27 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	25	N.S	accessories required at site. Complete in all respect as directed and approved by	2.00	No	Each
required at site. Complete in all respect as directed and approved by the Engineer	26	N.S	6500K) i/c any accessories required at site. Complete in all respect as directed and	48.00	No	Each
Incharge 1.00 No Each Total Total	27	N.S	required at site. Complete in all respect as directed and approved by the Engineer	1.00	No	

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

		Civil Work				MRS J	an to Jun, 202
lo.	Ref.	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). b) In ordinary soil.	122500.00	Cft		%o Cft	

2	6/5	Cement concrete plain including placing, compacting, finishing and curing		I	1 1
2	0/5	complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	18500.00	Cft	% Cft
3	6/3	Cement concrete brick or stone ballast 11/2 " to 2" (40 mm			
		to 50 mm) gauge, in foundation and plinth:- i) Ratio 1:4:8	14250.00	Cft	% Cft
		i) Ratio 1:6:12	7800.00	Cft	% Cft
4	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: 1.5: 3)	31800.00	Cft	Per Cft
5	26/42	Spraying anti-termite liquid mixed with water in the ratio of 1:40	49000.00	Sft	% Sft
6	7/4	Pacca brick work in foundation and plinth in:-	8200.00	Cft	% Cft
		Cement, sand mortar: Ratio 1:6			
7	6/33	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. 1.5" thick (40 mm)	1400.00	Sft	% Sft
8	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)	16000.00	Sft	% Sft
9	3/15 +3/17	Filling, watering and ramming earth under floors:- i) with surplus earth from foundation, etc.	47000.00	Cft	%o Cft
		ii) with new earth excavated from outside,lead upto 1/4 mile	174500.00	Cft	%o Cft
10	7/5	Pacca brick work in Cement, sand mortar:- Ratio 1:5			
		i) Ground Floor (7/5-i)	27000.00	Cft	% Cft
		ii) First Floor	26000.00	Cft	% Cft
		iii) Second Floor	26000.00	Cft	% Cft
		iv) Third Floor	1500.00	Cft	% Cft
11	7/5	Pacca brick work in Cement, sand mortar:- Ratio 1:4 i) Ground Floor	5850.00	Cft	% Cft
		ii) First Floor	5600.00	Cft	% Cft
		iii) Second Floor	5550.00	Cft	% Cft
12	11/10	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. Ratio 1:3	106500.00	Sft	% Sft
13	11/9	Cement plaster 1:4 upto 20' (6.00 m) height:-	215000.00	04	% Sft
		i) 1⁄2" (13 mm) thick ii) 3/4" (20 mm) thick	127000.00	Sft Sft	% Sft
14	11/28	Extra for lime, mud or cement plaster and pointing from 20'	127000.00	Sit	76 511
		(6.00 m) and above for each additional 10' (3.00 m) height or part thereof.	185000.00	Sft	% Sft
15	6/9	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars Deformed Bar 60-Grade	429000.00	Kg	% Kg
16	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	33000.0	0 Cft	Per Cft
		ii) First Floor	28000.0	0 Cft	Per Cft
		iii) Second Floor	28000.0		Per Cft
		iv) Third Floor	500.0		Per Cft
		v) Type C (nominal mix1:2:4) Ground Floor	2000.0		Per Cft
		vi) Type C (nominal mix1:2:4) First Floor	1900.0		Per Cft
		vii) Type C (nominal mix1:2:4) Second Floor	1650.0		Per Cft
17	7/30	Supplying and filling sand under floor; or plugging in	12000.00	Cft	% Cft
18	6/2	wells Dry rammed brick or stone ballast, 1½" to 2"(40 mm to	32500.00	Cft	% Cft
, . ~	<i>2.</i> –				

		50 mm) gauge.	1	1	
19	12/50	Providing and fixing 1½" (40mm) thick solid flush door shutter sterling or equivalent with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect.	10750.00	Sft	Per Sft
20	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 2 mm thickness sections including the cost of ¼" (5 mm) thick imported tinted 'glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved 'standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge. (2mm thick)	1000.00	Sft	Per 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 M/s Al-Cop or Pakistan 'Cables having frame size of 100 x 20 mm ($4^{x}3^{x}^{y}$) and 'leaf frame sections of 50 x 20 mm ($2^{x}3^{x}^{y}$), all of 1.6mm 'thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	500.00	Sft	Per Sft
22	25/53	Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size100mmx 30mm using frame at bottom, at top and side leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gas ket using approved standard latches, wheel, stopper, brush chennel angle joint and hardware etc.complete in all respect 2 mm thick	14000.00	Sft	Per Sft
23	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.	3500.00	Kg	% Kg
24	13/31	Preparing surface & painting with 3 coats Emulsion paint complete in all respects	372000.00	Sft	% Sft
25	13/5	Painting new surface: Preparing surface and painting of doors and windows any type (including edges):- 3 coats	26200.00	Sft	% Sft
26	13/32	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: new surface 2 coats, upto 20' height	60000.00	Sft	% Sft
27	13/39	Extra labour for painting, varnishing, etc. from 20' (6.10 m) height and above, for every additional 10' (3.05 m) height,or part thereof, requiring scaffolding.	32500.00	Sft	% Sft
28	12/7	First class deodar wood wrought joinery in doors and windows, etc. panelled, or panelled or glazed, or fully glazed, fixed in position, including chowkat, holdfast,hinges, tower bolts, chocks, rubber stop, cleats/G.I. clamps, handles and chord with hooks, etc. complete '(excluding sliding bolt or lock), 41/l thick (40 mm)	500.00		
29	10/15	lock):- 1½" thick (40 mm) Providing and laying topping of cement concrete 1:2:4,		Sft	Per Sft
30	12/18	including surface finishing and dividing in panels:- 2" thick Providing and fixing sliding bolt to doors:-	8200.00 385.00	Sft No	% Sft Each
31	10/42	iron sliding bolt, 12" (300 mm) long Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½"x3/8" (40x10mm)	5600.00	Rft	Per Rft
32	10/43	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope complete in all respect. (50% Grey / 50% Coloured) 60 mm thick	17500.00	Sft	P/Sft
33	6/24	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	400.00	Rft	Per Rft
34	25/36	Providing and fixing collapsible gate made of 2"x2"x"¼" (50x50x6 mm) tee iron at top and bottom, channel iron verticals ¾"x¼"x¼"x1/8" at 3" (75 mm) to 5" (125 mm)			

		centre to centre (approximate) and flat iron crosses 3"x3/16" (75x5 mm), and best quality rollers at bottom of 3" (75 mm) diameter including holdfasts, 'handles 12" (300 mm) long of ¾"x¼"x¼"x1/8" (20x6x6x3 mm) channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled, complete in working order.	360.00 Sft	Per Sft	
35	10/18	Extra labour for each storey above ground, for mosaic,conglomerate, tiles, stone and wooden floor.	73000.00 Sft	% Sft	
36 37	9/45 9/5	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation/Foam Board on roof or walls, Density 32-38Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water obsorbtion (1% by volume, cell structure clored cell) i/c cutting and placing in position complete in all respect 1.5" thick 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	36500.00 Sft		
		'slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.mbitumen coating sand blinded.	36500.00 Sft	% Sft	
38	9/15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	16.00 No	Each	
39	26/37	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. 500 gauge (.005" thick)	73000.00 Sft	Per Sft	
40	6/12	Providing and fixing ornamental cement jali 2" (50 mm) thick (1: 2: 4), without steel.	200.00 Sft	Per Sft	
41	6/28	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.	800.00 Rft	Per Rft	
		Civil Work (Non-Schedule)		Total	
1	N.S	Providing, Fabricating and fixing 16 SWG M.S sheet hollow pressed Jamb frame (Factory primme) for door welded with MS flat size 10"x1"x1/8", hold fast i/c welding/screwing 4" long iron hinges, filling concrete for the jamb frame and embedding hold fast in the adjointing walls with 1:2:4 concrete, enamel painting etc. complete in all respects as show on the drawing and/ or as directed by the engineer, in conformance with following size i) 10"x2-1/2"	14500.00 Sft	Per Sft	
		ii) 6"x2-1/2"	3600.00 Sft	Per Sft	
2	N.S	Providing & Fixing Fair Face Brick Guttka 9"x3"x2.25" (straight or on edges) joint in 1:3 cement surkhi over 3/4" thick (AVG) 1:4 C/S base mortor on wall including laying ornamental bricks in approved pattern, scaffolding & during at any height, complete in all respect as shown on the drawing or as directed by the engineer incharge.	53000.00 Sft	Per Sft	
3	N.S	Providing & Laying pre-polished granite marble slab 3/4" thick of aproved quality colour, shade & texture for stair treads set over 3/4" thick 1:3 cement sand mortor in <i>i/c</i> rendering off 2 Nos non-skirdding grooves (3/4" wide & 1/4" deep) in each steps, rounding off front edges, complete in all respects as shown in the drawing and or as directed by the engineer incharge	3500.00 Sft	Per Sft	
4	N.S	Providing and laying Floor Tile 24"x24" Granite with dry/wet/venied application, DWV series Polished (Dark color) class SB including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineering inch.	98000.00 Sft	Per Sft	
5	N.S	Providing and laying Dado Tile 24"x4" Granite with dry/wet/venied application, DWV series Polished (Dark color) class SB including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineering inch.	10000.00 Sft	Per Sft	
6	N.S	Providing and laying Floor Tile 12"x18" SP Series on matching color base (Glossy) Dark Color Rectified SB) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineer incharge (for Toilet Block)	19000.00 Sft	Per Sft	
7	N.S	Providing and laying Dado Tile 12"x18" SP Series on matching color base (Glossy) Dark Color Rectified SB) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineer incharge (for Toilet Block)	41000.00 Sft	Per Sft	
8	N.S	Providing & Fixing marble 3/4" thick Buticina fency 12"X12" with floating coat of cement over a bed of 3/4" thick cement sand mortor 1:2 over 1" thick PCC 1:2:4 Gray cement,			

		including colour pigment to match with the colour of marble tiles laid with cement sand mortor 1:2 rubbing and chemical Polishing, as approved by Engineering Incharge	1500.00	Sft	Per Sft
9	N.S	M.S Steel Grill for windows comprising of 1/2"x1/2" square bar @ 4" c/c with 1.25"x1.25"x1/8" MS box angle iron for frame including painting 3 coats complete in all respect as shown on the drawings, specification and/ or as directed by the Engineer incharge	16150.00	Kg	Per Kg
10	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	3800.00	Sft	Per Sft
11	N.S	Providing and fixing 3/4" thick PVC Board shutter with one side leminate & 3/4" x 3/4" PVC beading over wardrobe frame of 3"x1.5" M.S Box pipe 18 SWG including catchers, lock, CP hanger rod with hooks, hydrulic hinges, on beading complete in all respects including	21000.00	Sft	Per Sft
12	N.S	Putti filling for emulsion paint including rubbing and primary coat complete in all respects as approved by the Engineer Incharge.	372000.00	Sft	Per Sft
13	N.S	Providing & Laying pre-polished China verona marble slab 1" thick rendered with bevelled edges on counter trop set over 1/2" thick 1:3 cement sand mortor and expose joint fill with matching colour grout of wihite cement and colour pigment complete in all respects as shown in the drawing and or as directed by the engineer incharge	500.00	Sft	Per Sft
14	N.S	Providing & Fixing Cabnet consisting of lamination board 3/4" thick for leaves, kail wood frame 2.50" x 1", Gola for 'leaf 3/4" x 3/4" including siprit polish for gola complete in all respects as per design, drawing & patern as approved by the engineer incharge (Down portion) Floor Mounted Cabinets (Shutters only)	475.00	Sft	Per Sft
15		Providing & Fixing Cabnet 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 & patern as approved by the Engineer Incharge Wall Hanging Cabinets	350.00	Sft	Per Sft
16	N.S	Providing & Fixing Hydraulic door closer including all hardware fitting best quality complete in all respect as approved by Engineer Incharge.	30.00	No	Each
17	N.S	Providing and fixing ornamental partal wooden architrave 3"x1/2" (75mmx12mm) tapered to 1/4" (6mm) all along the door frame complete in all respect as approved by the Engineer Incharge.	5000.00	Sft	Per Sft
18	N.S	2'-9" high stair railing comprising of 2-1/2" dia 16 gauge S.S pipe hand rail fixed with same dia pipe blusters as specified distance fixed at top of steps with expension bolts, 3 Nos of 16 gauge 1/2" dia S.S pipes horizontally fixed with blusters compette in all respects	650.00	Rft	Per Rft
19	N.S	Providing and fixing Steel door consisting of 16 gauge M.S sheet welded with M.S "L" section, 1-1/4" x 1-1/4" x 1/8" M.S "L" section welded with M.S Sheet, hinged with Chowkat, i/c locking arrangement,handles, hinges etc. duly enamel painted complete in all respects as per drawings and specifications and as approved by the Engineer in charge.	500.00	Sft	Per Sft
20	N.S	Providing, applying and filling expansion joint with 2"x ¾" thick elastomeric sealant (Poly-Sulphide) of approved manufacture over backing rod complete in all respect according to manufactures recommendations and to the entire satisfaction of the engineer incharge	400.00	Rft	Per Rft
21	N.S	Providing and fixing of False Ceiling consisting of lamenated Gypsum Board (one side laminated) of size 600 mm x 600 mm x 10 mm approx over aluminium Tee's 1"x 1"size at 2'-0"x2-0" center to center longituidInally and transversally & alminium angle of size 1" x 1" at corners/ ends, including all accessries such as steel hanging wire, hooks, screws, nails, rowel plugs, Cross Joints etc. complete in all respect, and as approved by the Engineer Incharge.	6400.00	Sft	Per Sft
22	N.S	Providing & Fixing S.S pipe railing 2' high (For Gallery) comprising of 2.5" dia 16 SWG in corridor openings fixed			
		with same dia pipe bluster at same distance with 2 No. 16 SWG 1/2" dia S.S pipe horizontally with accessories & fixing complete in all respect & as approved by the Engineer Incharge	3000.00	Rft	Per Rft
23	N.S	Providing and laying Floor Tile 24"x24" with dry/wet/ venied application, Salt'Pepper (SPM-110) Dark Polished SB			

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		including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineering incharge.	100.00	Sft	Per Sft
24	N.S	Providing and laying Dado Tile 24"x4" with dry/wet/ venied application, Salt'Pepper (SPM-110) Dark Polished SB			
		including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all			
		respects as approved by Engineering incharge.	100.00	Sft	Per Sft
		Plumbing work			Total
1	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	7000.00	0	% o Cft
		beds of trenches to correct grade and cutting pits for joints.	7000.00	Cft	%o Cft
2	3/42	Earthwork excavation in open cutting for sewers & 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 upto: i) 0 to 7 ft	20000.00	C#	%oCft
				Cft	
3	19/43	Providing & Fixing Brass gas cock 15mm 1/2" dia	20.00	No	Each
4	23/41	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. i) upto 6" i/d (150 mm)	2.00	Con.	P/Con
		ii) upto 8" i/d (200 mm)	2.00	Con.	P/Con
5	19/19	Providing and fixing looking glass 55x40 cm (22"x16") size, and 5 mm thick, first quality.	15.00	No	Each
6	23/22	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. Light Quality a) ¾" i/d (20 mm)	850.00	Rft	P/Rft
		b) 1" i/d (25 mm)	850.00	Rft	P/Rft
		c) 1½" i/d (40 mm)	450.00	Rft	P/Rft
7	23/42	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) i) 3" dia (90 mm)	650.00	Rft	P/Rft
8	19/7	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe and waste coupling.	5.00	No	Each
9	21/1	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory			
		to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete. 225 mm (9") i/d	600.00	Rft	P/Rft
		Plumbing work (Non-Schedule)			Total
1	N.S	Providing, fixing, cutting, jointing & testing uPVC drainage pipes of approved quality, i/c uPVC drainage fitting with soil vent cement jointing, " Type-B" or approved equal, rates i/c cost of clamping to walls and ceiling, hangers supports, cutting through wall & providing sleeves through concrete slab for pipe line & pipe fitting of following dia meters i) 4" i/d ii) 6" i/d	4000.00 3000.00	Rft Rft	Per Rft Per Rft
2	N.S	Providing, fixing, jointing and testing polypropylene Random (PPR) pipes of approved quality, for cold water as per DIN 8077-8078, PN-20 for pipes and DIN 16962, PN-25 for fittings (polyfusion welded joints) inside building including fittings and specials (sockets, tees, elbows, bends, crosses, reducers, adaptor, plugs and union etc) recessed in walls or suspended form roof slab or run in chases including pipe hangers, supports, cutting and making good the chases and hole complete in all respects.			
		i) 25mm o.d	2400.00	Rft	Per Rft
		ii) 32mm o.d	5400.00	Rft	Per Rft
		iii) 40mm o.d	3000.00	Rft	Per Rft
		iv) 50mm o.d	1000.00	Rft	Per Rft
3	N.S	Providing & Fixing uPVC P-trap 4" dia of approved quality	200.00	No	Each
	N.S	Construction of collection chamber without grating			

		complete in all respcts as per drawing &/or as directed by the engineer	10.00	No	Each
5	N.S	Providing & Fixing grating at site with angle iron frame 1.5"x1.5"x1/4" and 1" square bars @ 1" c/c compele in all respects according to the drawing and specifications as per direction by the engineer incharge.	10.00	No	Each
6	N.S	Construction of square masnory manhole 2.50x2.50 ft.	20.00	No	Each
7	N.S	including cover & frame upto 5' depth Providing and installing Brass Ball/ Handle valves of approved quality of following nominal dia, including jointing, fitting, painting, testing, complete in all respects to match with PPR/uPVC pipes of following diameters.			
		i) 25 mm O.D	16.00	No	Each
		ii) 32 mm O.D	16.00	No	Each
		iii) 40 mm O.D	16.00	No	Each
		iv) 50 mm O.D	4.00	No	Each
8	N.S	Supply and installation of Gas geysers of following capacity , including ball valves on inlet and outlet connections complete in all respects. 14 SWG tank, 55 gallon	12.00	No	Each
9	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.	800.00	Sft	P/Sft
10	N.S	Providing & Fitting Steel floor jali best quality complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.	150.00	No	Each
11	N.S	Providing & Fixing Muslim shower (HD-30 Porta or equivalent company) with double bib cock (HDA-5270B Universal) & flexibe steel pipe complete unit i/c all accessries required at site complete in all respect as per specifications as approved by the Engineer incharge	36.00	No	Each
12	N.S	Providing and fixing Coloured Glazed Earthen ware water closet Europen type Couple set including Flush Tank fixed with comode, normal seat cover, sheet cover thimble, connection pipe Complete in all respect and approved by Engineering Incharge. (HD201 Porta or equivalent company)	36.00	No	Each
13	N.S	Providing and fitting Flushing cistern 3-Gallon capacity including Bracket set & Hockey pipe best quality complete in all respcts as approved by the engineer incharge (HD3T Porta or equivalent company)	80.00	No	Each
14	N.S	Providing and fitting glazed earthen ware water closet (WC) Orisa pattern, combined with foot rest best quality complete in all respcts as approved by the engineer incharge (HDD9 Porta or equivalent company)	80.00	No	Each
15	N.S	Providing and fitting glazed earthen ware Counter basin/Vanity (HD16 Porta or equivalent company) including waste pipe and waste coupling, etc. best quality complete in all respcts as approved by the engineer incharge	170.00	No	Each
16	N.S	Providing and fitting Chromium plated Single lever Basin Mixer complete in all respcts as approved by the engineer incharge (Porta HDA0501M or equivalent company)	170.00	No	Each
17	N.S	Providing and fitting Single Lever Bath Mixer (Porta HDA0563Y) or equvialent complete in all respects as approved by the engineer incharge	100.00	No	Each
18	N.S	Providing and fitting Top Shower 6" dia (Porta HDDP2172) or equvialent complete in all respects as approved by the engineer incharge	100.00	No	Each
19	N.S	Providing and fitting Wash Basin with Pedestal (Porta HD17) or equvialent complete in all respects as approved by the engineer incharge	24.00	No	Each
20	N.S	Providing and fitting S.S Grip Bar (Porta HD95 456mm) or equvialent complete in all respects as approved by the engineer incharge	8.00	No	Each
21	N.S	Providing and fitting Chromium Tee Stop Cock Porta HDJ817A or equvialent complete in all respects as approved by the engineer incharge	700.00	No	Each
					Total
1	24/6	Electrical Work (Schedule) Supply and erection PVC pipe for recessed wiring (main and sub-main) purpose, including bends, specials, etc. in floor, wall or trenches:-			

		80 mm i/d	2700.00	Rft	Per Rft
2	24/10-a	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")	4800.00	Rft	Per Rft
		ii) 7/0.74 mm (7/0.029")	2000.00	Rft	Per Rft
3	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	c(vi)	7/1.63 mm (7/0.064")	11000.00	Rft	Per Rft
ii	c(vii)	19/1.32 mm (19/0.052")	11000.00	Rft	Per Rft
4	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. complete in all respects.	15000.00	Cft	%o Cft
5	3/15-i	Filling, watering and ramming earth under floors:-			
		with surplus earth from foundation, etc.	15000.00	Cft	%o Cft
6	7/23	Dry brick pitching	600.00	Cft	% Cft
					Total
1	N.S	Electrical Work (Non-Schedule) Wiring of light or fan point from switch board to the point with 3-Nos of 1.5 mm ² (3/0.029") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 20mm (3/4") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	2300.00	No	Each
2	N.S	Circuit wiring from MCBs board to gang switch board/multi light plug with 3-Nos of 2.5 mm ² (7/0.029") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.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	2600.00	No	Each
3	N.S	Wiring of light or fan from point to point with 3-Nos of 1.5 mm ² (3/0.029") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 20mm (3/4") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	350.00	No	Each
4	N.S	Wiring of Multi/light plug from point to point with 3-Nos of 2.5 mm ² (7/0.029") single			
		core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.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			
			280.00	No	Each
5	N.S	Circuit wiring from MCBs board to Power Plug with 3-Nos of 6 mm ² (7/0.044") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 25mm (1") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	280.00	No	Each
6	N.S	Providing & laying of PVC/PVC 2-Core flexible 23/0.0076" copper conductor cable			
		i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (KM, Eagle or Equivalent)	170.00	М	Per M
7	N.S	Providing & laying of PVC/PVC 3-Core flexible 40/0.0076" copper conductor cable i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (KM, Eagle or Equivalent)	190.00	м	Per M
8	N.S	Supply & installation of LED 17W Down Light (6" Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by			
		the Engineer Incharge (Philips Meson or Equivalent)	500.00	No	Each
9	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)	1225.00	No	Each
10	N.S	Supply & installation of Wall Bracket Fan 18" (99.99% Copper) i/c any accessories (i.e. mounting screws & etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Younis, Tamoor, Pakfan or Equivalent)	8.00	No	Each
11	N.S	Supply & installation of Metal Body Wall Bracket Fan 24" (99.99% Copper) i/c any accessories (i.e. widing of mounting holes and 4.00nos of rawl bolts ¼" etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (SK mega or Equivalent)	3.00	No	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	520.00	No	Each

13	N.S	Supply & installation of Metal body Exhaust fan 20" (99.99% Copper) with metal mounting frame i/c any accessories (i.e. screw. Rawl plug/rawl bolt etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Tamoor, Indus, Pakfan or Equivalent)	56.00	No	Each
			50.00	110	Each
14	N.S	Supply & installation of PVC Exhaust fan 12" (99.99% Copper) i/c any accessories (i.e. screw. Rawl plug or steel nail, etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (GFC, Indus, Pakfan or Equivalent)	17.00	No	Each
15	N.S	Supply & installation of Universal 3-Pole Socket with 13A Switch with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	1040.00	No	Each
16	N.S	Supply & installation of a Power plug 15A with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	270.00	No	Each
17	N.S	Supply & installation of a Fan Dimmer 300W with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	520.00	No	Each
18	N.S	Supply & installation of a Four Single Pole Switch Plate with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	44.00	No	Each
19	N.S	Supply & installation of a Six Single Pole Switch Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	36.00	No	Each
20	N.S	Supply & installation of a Eight Single Pole Switch Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	325.00	No	Each
21	N.S	Supply & installation of a Four Single Pole Switch & Two 2-Pin Socket Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	8.00	No	Each
22	N.S	Supply, installation, connection & commissioning of distribution boards, (Sub Main DB-N), Open 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 80 Amps T-p (15KA) 1.00 No, Distribution Miniature Circuit Breaker of 10/20 Amps S-p (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 Hitachi, Schneider Electric, Legrand or equivalent).	22.00	No	
23	N.S	Supply, installation, connection & commissioning of distribution boards, (Sub Main DB-E), Open 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 50 Amps T-p (10KA) 1.00 No, Distribution Miniature Circuit Breaker of 10/16 Amps S-p (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 Hitachi, Schneider Electric, Legrand or equivalent).	22.00	No	Each
24	N.S	Supply, installation, connection & commissioning of 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 Molded Case Circuit Breaker 1000 Amps T-p (36KA) 1.00 No, For DB-N (Main Molded Case Circuit Breaker 630 Amps T-p (36KA) 1.00 No and distribution Molded Case Circuit Breaker 80 Amps T-p (15KA) 21.00 Nos) & for DB-E (Main Molded Case Circuit Breaker 400 Amps T-p (36KA) 1.00 No and distribution Molded Case Circuit Breaker 50 Amps T-p (15KA) 21.00 Nos) respectively, Digital Volt, Selector switches, LED Phase lights, Copper bus bars, Earthing bar, Neutral bar and any accessories required at site. Complete in all respects as approved by the engineer incharge. (for MCCB General Electric, Schneider Electric & Legrand).	1.00	No	Each
25	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" ($350 \times 50 \times 6 \text{ mm}$) 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) and charcoal around copper strip I/c connecting with Electric machine. Complete in all respects as approved and as directed by the engineer incharge.	3.00	No	Each
26	N.S	Supply & installation of Wall Light with 3 Watt LED Blub (Philips) (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	130.00	No	Each
27	N.S	Supply & installation of LED 2'x 2' 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 36S/865 PSU W60L60 GM G2 or Equivalent)	240.00	No	Each
28	N.S	Supply & installation of 2' x 2' False Ceiling Fan 16" 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)			

29	N.S	Providing & laying of 240 mm ² 4-Core Copper Conductor PVC/PVC/steel wire armoured/PVC (Armoured) cable i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Newage, Pakistan,				
		Copper Gate, Fast or Equivalent)	100.00	М	Per M	
30	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)	425.00	No	Each	
31	N.S	Horizontal boring 4" dia underneath roads, walking path & ramps of houses for crossing of Electric power cables, PVC pipes or Water lines. Complete in all respects as approved and as directed by the engineer incharge.	100.00	Rft	Per Rft	
					Total	

1	3/21	External Work (Guard Hut, Visitor Room, Tuck Shop & Boundary Wall) Civil Work Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated			
		earth, watering and rammiing lead 'upto one chain (30 m) and lift upto 5 ft. (1.5 m). b) In ordinary soil.	6000.00	Cft	%o Cft
2	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	200.00	Cft	% Cft
3	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:-	050.00		
		i) Ratio 1:4:8 i) Ratio 1:6:12	350.00 3500.00	Cft Cft	% Cft % Cft
4	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)	350.00	Cft	Per Cft
5	26/42	Spraying anti-termite liquid mixed with water in the ratio of 1:40	600.00	Sft	% Sft
6	7/4	Pacca brick work in foundation and plinth in:- Cement, sand mortar: Ratio 1:6	8500.00	Cft	% Cft
7	6/33	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. 1.5" thick (40 mm)	1900.00	Sft	% Sft
8	6/35	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- with one coat of bitumen and one coat of polythene sheet 500 gauge: Ratio 1:3 ¾ " thick (20 mm)	500.00	Sft	% Sft
9	3/15 +3/17	Filling, watering and ramming earth under floors:- i) with surplus earth from foundation, etc. ii) with new earth excavated from outside,lead upto 1/4 mile	1500.00 3000.00	Cft Cft	%o Cft %o Cft
10	7/5	Pacca brick work in Cement, sand mortar:- Ratio 1:5 i) Ground Floor (7/5-i)	2500.00	Cft	% Cft
11	7/5	Pacca brick work in Cement, sand mortar:- Ratio 1:4 i) Ground Floor	100.00	Cft	% Cft
12	11/10	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. Ratio 1:3	1000.00	Sft	% Sft
13	11/9	Cement plaster 1:4 upto 20' (6.00 m) height:- i) ½" (13 mm) thick (11/9-b)	37500.00	Sft	% Sft
		ii) 3/4" (20 mm) thick	6000.00	Sft	% Sft
14	6/9	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars			
		Deformed Bar 60-Grade	1500.00	Kg	% Kg
15	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 mix1:2:4)			
		using harrow sand Ground Floor	550	Cft	Per Cft
16	7/30	Supplying and filling sand under floor; or plugging in wells	400.00	Cft	% Cft
17	6/2	Dry rammed brick or stone ballast, 1 ¹ / ₂ " to 2"(40 mm to 50 mm) gauge.	400.00	Cft	% Cft

18	12/50	Providing and fixing 1½" (40mm) thick solid flush door shutter sterling or equivalent with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect.	200.00	Sft	Per Sft	
19	25/53	Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size100mmx 30mm using frame at bottom, at top and side leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gas ket using approved standard latches, wheel, stopper, brush chennel angle joint and hardware				
		etc.complete in all respect 2 mm thick	250.00	Sft	Per Sft	
20	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.	1000.00	Kg	% Kg	
21	13/31	Preparing surface & painting with 3 coats Emulsion paint complete in all respects	3000.00	Sft	% Sft	
22	13/5	Painting new surface: Preparing surface and painting of doors and windows any type (including edges):- 3 coats	200.00	Sft	% Sft	
23	13/32	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	41000.00	Sft	% Sft	
24	10/15	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- 2" thick	400.00	Sft	% Sft	
25	12/18	Providing and fixing sliding bolt to doors:- iron sliding bolt, 12" (300 mm) long	10.00	No	Each	
26	10/42	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size $1\frac{1}{2}$ "x3/8" (40x10mm)	400.00	Rft	Per Rft	
27	7/7	Pacca brick work other than building upto 10ft. (3 m) height. cement, sand mortar:- 'Ratio 1:5	8000.00	Cft	% Cft	
28	10/43	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope complete in all respect. (50% Grey / 50% Coloured) 60 mm thick	9500.00	Sft	P/Sft	
		Civil Work (Non-Schedule)			Total	
1	N.S	Providing, Fabricating and fixing 16 SWG M.S sheet hollow pressed Jamb frame (Factory primme) for door welded with MS flat size 10"x1"x1/8", hold fast i/c welding/screwing 4" long iron hinges, filling concrete for the jamb frame and embedding hold fast in the adjointing walls with 1:2:4 concrete, enamel painting etc. complete in all respects as show on the drawing and/ or as directed by the engineer, in conformance with following size i) 10"x2-1/2" ii) 6"x2-1/2"	250.00 55.00	Sft Sft	Per Sft Per Sft	
2	N.S	Providing & Fixing Fair Face Brick Guttka 9"x3"x2.25" (straight or on edges) joint in 1:3 cement surkhi over 3/4" thick (AVG) 1:4 C/S base mortor on wall including laying ornamental bricks in approved pattern, scaffolding & during at any height, complete in all respect as shown on the drawing or as directed by the engineer incharge.	2000.00	Sft	Per Sft	
3	N.S	Providing and laying Floor Tile 24"x24" Granite with dry/wet/venied application, DWV series Polished (Dark color) class SB including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineering inch.	950.00	Sft	Per Sft	
4	N.S	Providing and laying Floor Tile 12"x18" SP Series on matching color base (Glossy) Dark Color Rectified SB) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineer incharge	60.00	Sft	Per Sft	
5	N.S	Providing and laying Dado Tile 12"x18" SP Series on matching color base (Glossy) Dark Color Rectified SB) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineer incharge	250.00	Sft	Per Sft	
6	N.S	Providing & Fixing marble 3/4" thick Buticina fency 12"X12" with floating coat of cement over a bed of 3/4" thick cement		Sit		

1 1		and marter 1:2 over 1" thick BCC 1:2:4 Cray compat	I	I		1 1
		sand mortor 1:2 over 1" thick PCC 1:2:4 Gray cement, including colour pigment to match with the colour of marble tiles laid with cement sand mortor 1:2 rubbing and chemical Polishing, as approved by Engineering Incharge	30.00	Sft	Per Sft	
7	N.S	M.S Steel Grill for windows comprising of 1/2"x1/2" square bar @ 4" c/c with 1.25"x1.25"x1/8" MS box angle iron for frame including painting 3 coats complete in all respect as shown on the drawings, specification and/ or as directed by the Engineer incharge	350.00	Kg	Per Kg	
8	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	50.00	Sft	Per Sft	
9	N.S	Putti filling for emulsion paint including rubbing and primary coat complete in all respects as approved by the Engineer Incharge.	3000.00	Sft	Per Sft	
10	N.S	Providing and fixing ornamental partal wooden architrave 3"x1/2" (75mmx12mm) tapered to 1/4" (6mm) all along the door frame complete in all respect as approved by the Engineer Incharge.	200.00	Sft	Per Sft	
11	N.S N.S	Providing and fixing Razor cutt wire fencing double sharp four pointed razors @ 1- 1/4" c/c with 'U' shaped cladding over M.S wire making ring of 24" dia 3 Nos rings in one Rft lenth at 0.66 Kg P/Rft fixed on wall with M.S angle iron post 1.5"x1/5"x3/16" 2'-3" high + and 9" embeded in base of P.C.C 1.2:4 (9"x9"x9"at every 4' apart i/c 2 Nos bars 3/8" dia welded horizentally with angle iron, i/c binding wire i/c painting posts etc. complete in all respects. Providing and laying Floor Tile 24"x24" with dry/wet/venied application, Salt'Pepper (SPM-110) Dark Polished SB including 05% Wastage laid in cement with	1200.00	Rft	Per Rft	
		pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineering incharge.	50.00	Sft	Per Sft	
		Diumbing work			Total	
1	3/44	Plumbing work 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	500.00	Cft	%o Cft	
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 upto: i) 0 to 7 ft	500.00	Cft	%oCft	
3	19/19	Providing and fixing looking glass 55x40 cm (22"x16") size, and 5 mm thick, first quality.	1.00	No	Each	
4	23/22	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. Light Quality a) ¾" i/d (20 mm) b) 1" i/d (25 mm)	100.00 100.00	Rft Rft	P/Rft P/Rft	
5	19/1	Providing and fitting glazed earthen ware water closet European type, excluding seat and cover:- coloured	1.00	No	Each	
6	19/2	Providing and fixing, double seat and cover only. bakelite	1.00	No	Each	
7	19/3	providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. coloured	3.00	No	Each	
8	19/6	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. i) coloured, with pedestal	3.00	No	Each	
9	19/12	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. Coloured	3.00	No	Each	
10	19/22	Providing and fitting:- i) Plastic soap dish	3.00	No	Each	
1 I					Each	
		ii) Plastic toilet paper holder	3.00	No	Laon	
		ii) Plastic toilet paper holder iii) Plastic towel rail	3.00	No No	Each	

11	19/27	Providing and fixing chromium plated tee stop cock 15mm (½")	6.00	No	Each
12	19/26	Providing and fixing chromium plated bib cock:- 1.5 cm (½")	3.00	No	Each
13	19/28	Providing and fixing chromium plated shower rose:- 1.5x10 cm (½"x4")	1.00	No	Each
14	19/29	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	1.00	No	Each
15	19/34	Providing and fitting "P" trap:- 10 cm (4") glazed.	3.00	No	Each
1	N.S	Plumbing work (Non-Schedule) Providing, fixing, cutting, jointing & testing uPVC drainage pipes of approved quality, i/c uPVC drainage fitting with soil vent cement jointing, " Type-B" or approved equal, rates i/c cost of clamping to walls and ceiling, hangers supports, cutting through wall & providing sleeves through concrete slab for pipe line & pipe fitting of following dia meters i) 4" i/d ii) 6" i/d	50.00 50.00	Rft	Total Per Rft Per Rft
2	N.S	Providing, fixing, jointing and testing polypropylene Random (PPR) pipes of approved quality, for cold water as per DIN 8077-8078, PN-20 for pipes and DIN 16962, PN-25 for fittings (polyfusion welded joints) inside building including fittings and specials (sockets, tees, elbows, bends, crosses, reducers, adaptor, plugs and union etc) recessed in walls or suspended form roof slab or run in chases including pipe hangers, supports, cutting and making good the chases and hole complete in all respects. i) 25mm o.d ii) 32mm o.d	100.00 150.00	Rft Rft	Per Rft Per Rft
3	N.S	Providing & Fixing uPVC P-trap 4" dia of approved quality	3.00	No	Each
4	N.S	Providing and installing Brass Ball/ Handle valves of approved quality of following nominal dia, including jointing, fitting, painting, testing, complete in all respects to match with PPR/uPVC pipes of following diameters. i) 25 mm O.D	1.00	No	Each
		ii) 32 mm O.D	1.00	No	Each
5	N.S	Providing & Fitting Steel floor jali best quality complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.	3.00	No	Each
		Electrical Work (Schedule)			Total
1	24/6	Supply and erection PVC pipe for recessed wiring (main and sub-main) purpose, including bends, specials, etc. in floor, wall or trenches:-			
		50 mm i/d	200.00	Rft	Per Rft
2	24/3	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries and repairing surface, etc., complete with all specials.			
		25 mm i/d	1750.00	Rft	Per Rft
3	24/10-a	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")	700.00	Rft	Per Rft
		ii) 7/0.74 mm (7/0.029")	850.00	D"	De- 04
			630.00	κπ	Per Rft
		iii) 7/1.12 mm (7/0.044")	3700.00	Rft	Per Rft
4	24/13	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only): PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable:-			
i	c(vi)	7/1.63 mm (7/0.064")	250.00	Rft	Per Rft
5	3/44	Excavation of trenches in all kinds of soil, except cutting 'rock, for water supply pipe lines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, levelling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects.	15000.00	Cft	%o Cft
6	3/15-i	Filling, watering and ramming earth under floors:- with surplus earth from foundation, etc.	15000.00	Cft	%o Cft
7	7/23	Dry brick pitching	600.00	Cft	% Cft Total
1	N.S	Electrical Work (Non-Schedule) Wiring of light or fan point from switch board to the point with 3-Nos of 1.5 mm ² (3/0.029") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 20mm (3/4") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	30.00	No	Each

2	N.S	Circuit wiring from MCBs board to gang switch board/multi light plug with 3-Nos of 2.5 mm ² (7/0.029") single core PVC insulated copper conductor cables, in prelaid		\Box	· · · · · · · · · · · · · · · · · · ·	
		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	10.00) _{No}	Each	
3	N.S	Wiring of light or fan from point to point with 3-Nos of 1.5 mm ² (3/0.029") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 20mm (3/4") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	15.00) No	Each	
4	N.S	Wiring of Multi/light plug from point to point with 3-Nos of 2.5 mm ² (7/0.029") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.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	6.00			
5	N.S	Circuit wiring from MCBs board to Power Plug with 3-Nos of 6 mm ² (7/0.044") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 25mm (1") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	5.00			
6	N.S	Supply & installation of LED 17W Down Light (6" Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Meson or Equivalent)	8.00) No	Each	
7	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)	12.00) No	Each	
8	N.S	Supply & installation of Wall Bracket Fan 18" (99.99% Copper) i/c any accessories (i.e. mounting screws & etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Younis, Tamoor, Pakfan or Equivalent)	1.00) No	Each	
9	N.S	Supply & installation of Metal Body Wall Bracket Fan 24" (99.99% Copper) i/c any accessories (i.e. widing of mounting holes and 4.00nos of rawl bolts ½" etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (SK mega or Equivalent)	1.00) _{No}	Each	
10	N.S	Supply & installation of Ceiling Fans, 56" sweep (As per "Pakistan Energy Lable" certified manufacturers). <i>i/c</i> any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	5.00) No	Each	
11	N.S	Supply & installation of PVC Exhaust fan 12" (99.99% Copper) i/c any accessories (i.e. screw. Rawl plug or steel nail, etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (GFC, Indus, Pakfan or Equivalent)	5.00) _{No}	Each	
12	N.S	Supply & installation of Universal 3-Pole Socket with 13A Switch with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	10.00) _{No}	Each	
13	N.S	Supply & installation of a Power plug 15A with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	5.00) No	Each	
14	N.S	Supply & installation of a Fan Dimmer 300W with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	5.00) _{No}	Each	
15	N.S	Supply & installation of a Four Single Pole Switch Plate with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	3.00) _{No}	Each	
16	N.S	Supply & installation of a Six Single Pole Switch Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	2.00) No	Each	
17	N.S	Supply & installation of a Eight Single Pole Switch Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	5.00) _{No}	Each	
18	N.S	Supply & installation of a Four Single Pole Switch & Two 2-Pin Socket Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	2.00) No	Each	
19	N.S	Supply, installation, connection & commissioning of distribution boards, (Sub Main DB-N), Open 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 80 Amps T-p (15KA) 1.00 No, Distribution Miniature Circuit Breaker of 10/20 Amps S-p (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 Hitachi, Schneider Electric, Legrand or equivalent).	1.00	No		
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20	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 Gl pipe 5' long, Gl tee & plug for watering also includs common salt, Lime (slaked) and charcoal around copper strip I/c connecting with Electric machine.	2.00	No	Each
21	N.S	Supply & installation of Wall Light with 3 Watt LED Blub (Philips) (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	12.00	No	Each
22	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)	5.00	No	Each
23	N.S	Supply & Installation & commissioning of 400 KVA (11 KV/415V) 3-phase, 50 Hz step down Pad mounted / enclosed type distribution Transformer having connection group, DY-11 oil immersed natural cooled with HV & LV protections (as per WAPDA standard) i/c any other accessories required at site. Complete in all respects as approved by the Engineer incharge. (with complete purchase and tax documents) (PEL, Transfopower or Equivalent)	1.00	Na	Each
			1.00	INU	Each
24	N.S	Supply & Laying of 3-core, 120mm ² , 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)	90.00	м	Per M
25	N.S	Supply and installation of 120mm ² , 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	No	Each
26	N.S	Supply & installation of Die-Cast Aluminum LED Boundary Light 27W (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips, BRP210 LED 34 or Equivalent).	48.00	No	Each
27	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	No	Each Total

The Islamia University of Bahawalpur Construction of New Boys Hostel (No.1) at Baghdad-ul-Jadeed Campus

		Civil Work				MRS J	an to Jun, 2021
No.	Ref.	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). b) In ordinary soil.	122500.00	Cft		%o Cft	
2	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	18500.00	Cft		% Cft	
3	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- i) Ratio 1:4:8	14250.00	Cft		% Cft	
		i) Ratio 1:6:12	7800.00	Cft		% Cft	
4	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: 1.5: 3)	31800.00	Cft		Per Cft	
5	26/42	Spraying anti-termite liquid mixed with water in the ratio of 1:40	49000.00	Sft		% Sft	
6	7/4	Pacca brick work in foundation and plinth in:- Cement, sand mortar: Ratio 1:6	8200.00	Cft		% Cft	
7	6/33	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. 1.5" thick (40 mm)	1400.00	Sft		% Sft	
8	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)	16000.00	Sft		% Sft	
9	3/15 +3/17	Filling, watering and ramming earth under floors:- i) with surplus earth from foundation, etc. ii) with new earth excavated from outside,lead upto 1/4 mile	47000.00 174500.00	Cft Cft		%o Cft %o Cft	
10	7/5	Pacca brick work in Cement, sand mortar:- Ratio 1:5 i) Ground Floor (7/5-i)	27000.00	Cft		% Cft	
		ii) First Floor	26000.00	Cft		% Cft	
		iii) Second Floor	26000.00	Cft		% Cft	
		iv) Third Floor	1500.00	Cft		% Cft	
11	7/5	Pacca brick work in Cement, sand mortar:- Ratio 1:4 i) Ground Floor	5850.00	Cft		% Cft	
		ii) First Floor	5600.00	Cft		% Cft	

		1	1	
		iii) Second Floor	5550.00 Cft	% Cft
12	11/10	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. Ratio 1:3	106500.00 Sft	% Sft
13	11/9	Cement plaster 1:4 upto 20' (6.00 m) height:- i) ½" (13 mm) thick	215000.00 Sft	% Sft
		ii) 3/4" (20 mm) thick	127000.00 Sft	% Sft
14	11/28	Extra for lime, mud or cement plaster and pointing from 20' (6.00 m) and above for each additional 10' (3.00 m) height or part thereof.	185000.00 Sft	% Sft
15	6/9	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars Deformed Bar 60-Grade	429000.00 кд	% Kg
16	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	33000.00 Cft	Per Cft
		ii) First Floor	28000.00 Cft	Per Cft
		iii) Second Floor	28000.00 Cft	Per Cft
		iv) Third Floor	500.00 Cft	Per Cft
		v) Type C (nominal mix1:2:4) Ground Floor	2000.00 Cft	Per Cft
		vi) Type C (nominal mix1:2:4) First Floor	1900.00 Cft	Per Cft
	= 10.0	vii) Type C (nominal mix1:2:4) Second Floor	1650.00 Cft	Per Cft
17	7/30	Supplying and filling sand under floor; or plugging in wells	12000.00 Cft	% Cft
18	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.	32500.00 Cft	% Cft
19	12/50	Providing and fixing 1½" (40mm) thick solid flush door shutter sterling or equivalent with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect.	10750.00 Sft	Per Sft
20	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 2 mm thickness sections including the cost of ¼" (5 mm) thick imported tinted 'glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved 'standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge. (2mm thick)	1000.00 Sft	Per 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 M/s Al-Cop or Pakistan 'Cables having frame size of 100 x 20 mm (4"x¾") and 'leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm 'thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	500.00 Sft	Per Sft
22	25/53	Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size100mmx 30mm using frame at bottom, at top and side leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gas ket using approved standard latches, wheel, stopper, brush chennel angle joint and hardware etc.complete in all respect 2 mm thick	14000.00 Sft	Per Sft
23	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.	3500.00 кg	% Kg
24	10/04		5	
24	13/31	Preparing surface & painting with 3 coats Emulsion paint	372000.00 Sft	% Sft

		complete in all respects		ĺ	
25	13/5	Painting new surface: Preparing surface and painting of doors and windows any type (including edges):- 3 coats	26200.00	Sft	% Sft
26	13/32	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: new surface 2 coats, upto 20' height	60000.00	Sft	% Sft
27	13/39	Extra labour for painting, varnishing, etc. from 20' (6.10 m) height and above, for every additional 10' (3.05 m) height,or part thereof, requiring scaffolding.	32500.00	Sft	% Sft
28	12/7	First class deodar wood wrought joinery in doors and windows, etc. panelled, or panelled or glazed, or fully glazed, fixed in position, including chowkat, holdfast,hinges, tower bolts, chocks, rubber stop, cleats/G.I. clamps, handles and chord with hooks, etc. complete '(excluding sliding bolt or lock):- 1½" thick (40 mm)	500.00	Sft	Per Sft
29	10/15	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- 2" thick	8200.00	Sft	% Sft
30	12/18	Providing and fixing sliding bolt to doors:- iron sliding bolt, 12" (300 mm) long	385.00	No	Each
31	10/42	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½"x3/8" (40x10mm)	5600.00	Rft	Per Rft
32	10/43	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)	17500.00	0.8	DISA
		60 mm thick	17500.00	Sft	P/Sft
33	6/24	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	400.00	Rft	Per Rft
34	25/36	Providing and fixing collapsible gate made of 2"x2"x"'4" (50x50x6 mm) tee iron at top and bottom, channel iron verticals ¾"x'4"x'4"x1/8" 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"x'4"x'4"x'4"x1/8" (20x6x6x3 mm) channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled, complete in working order.	360.00	Sft	Per Sft
35	10/18	Extra labour for each storey above ground, for mosaic,conglomerate, tiles, stone and wooden floor.	73000.00	Sft	% Sft
36 37	9/45 9/5	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation/Foam Board on roof or walls, Density 32-38Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water obsorbtion (1% by volume, cell structure clored cell) i/c cutting and placing in position complete in all respect 1.5" thick 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	36500.00	Sft	% Sft
		'slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.mbitumen coating sand blinded.	36500.00	Sft	% Sft
38	9/15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	16.00	No	Each
39	26/37	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. 500 gauge (.005" thick)	73000.00	Sft	Per Sft
40	6/12	Providing and fixing ornamental cement jali 2" (50 mm) thick (1: 2: 4), without steel.	200.00	Sft	Per Sft
41	6/28	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.	800.00	Rft	Per Rft
1	N.S	Civil Work (Non-Schedule) Providing, Fabricating and fixing 16 SWG M.S sheet hollow pressed Jamb frame (Factory primme) for door welded with MS flat size 10"x1"x1/8", hold fast i/c welding/screwing 4" long iron hinges, filling concrete for the jamb frame and embedding hold fast in the adjointing walls with 1:2:4 concrete, enamel painting etc. complete in all respects as show on the drawing and/ or as directed by the engineer, in conformance with following size i) 10"x2-1/2"	14500.00	Sft	Total Per Sft Per Sft
			0000.00	Sit	, or on

2	N.S	Providing & Fixing Fair Face Brick Guttka 9"x3"x2.25" (straight or on edges) joint in 1:3 cement surkhi over 3/4" thick (AVG) 1:4 C/S base mortor on wall including laying ornamental bricks in approved pattern, scaffolding & during at any height, complete in all respect as shown on the drawing or as directed by the engineer incharge.	53000.00	Sft	Per Sft
3	N.S	Providing & Laying pre-polished granite marble slab 3/4" thick of aproved quality colour, shade & texture for stair treads set over 3/4" thick 1:3 cement sand mortor in i/c rendering off 2 Nos non-skirdding grooves (3/4" wide & 1/4" deep) in each steps, rounding off front edges, complete in all respects as shown in the drawing and or as directed by the engineer incharge	3500.00	Sft	Per Sft
4	N.S	Providing and laying Floor Tile 24"x24" Granite with dry/wet/venied application, DWV series Polished (Dark color) class SB including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineering inch.	98000.00	Sft	Per Sft
5	N.S	Providing and laying Dado Tile 24"x4" Granite with dry/wet/venied application, DWV series Polished (Dark color) class SB including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineering inch.	10000.00	Sft	Per Sft
6	N.S	Providing and laying Floor Tile 12"x18" SP Series on matching color base (Glossy) Dark Color Rectified SB) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineer incharge (for Toilet Block)	19000.00	Sft	Per Sft
7	N.S	Providing and laying Dado Tile 12"x18" SP Series on matching color base (Glossy) Dark Color Rectified SB) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineer incharge (for Toilet Block)	41000.00	Sft	Per Sft
8	N.S	Providing & Fixing marble 3/4" thick Buticina fency 12"X12" with floating coat of cement over a bed of 3/4" thick cement sand mortor 1:2 over 1" thick PCC 1:2:4 Gray cement, including colour pigment to match with the colour of marble tiles laid with cement sand mortor 1:2 rubbing and chemical Polishing, as approved by Engineering Incharge	1500.00	Sft	Per Sft
9	N.S	M.S Steel Grill for windows comprising of 1/2"x1/2" square bar @ 4" c/c with 1.25"x1.25"x1/8" MS box angle iron for frame including painting 3 coats complete in all respect as shown on the drawings, specification and/ or as directed by the Engineer incharge	16150.00	Kg	Per Kg
10	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	3800.00	Sft	Per Sft
11	N.S	Providing and fixing 3/4" thick PVC Board shutter with one side leminate & 3/4" x 3/4" PVC beading over wardrobe frame of 3"x1.5" M.S Box pipe 18 SWG including catchers, lock, CP hanger rod with hooks, hydrulic hinges, on beading complete in all respects including	21000.00	Sft	Per Sft
12	N.S	Putti filling for emulsion paint including rubbing and primary coat complete in all respects as approved by the Engineer Incharge.	372000.00	Sft	Per Sft
13	N.S	Providing & Laying pre-polished China verona marble slab 1" thick rendered with bevelled edges on counter trop set over 1/2" thick 1:3 cement sand mortor and expose joint fill with matching colour grout of wihite cement and colour pigment complete in all respects as shown in the drawing and or as directed by the engineer incharge	500.00	Sft	Per Sft
14	N.S	Providing & Fixing Cabnet consisting of lamination board 3/4" thick for leaves, kail wood frame 2.50" x 1", Gola for 'leaf 3/4" x 3/4" including siprit polish for gola complete in all respects as per design, drawing & patern as approved by the engineer incharge (Down portion) Floor Mounted Cabinets (Shutters only)	475.00	Sft	Per Sft
15		Providing & Fixing Cabnet 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 & patern as approved by the Engineer Incharge Wall Hanging Cabinets	350.00	Sft	Per Sft

			I	1	
16	N.S	Providing & Fixing Hydraulic door closer including all hardware fitting best quality complete in all respect as approved by Engineer Incharge.	30.00	No	Each
17	N.S	Providing and fixing ornamental partal wooden architrave 3"x1/2" (75mmx12mm) tapered to 1/4" (6mm) all along the door frame complete in all respect as approved by the Engineer Incharge.	5000.00	Sft	Per Sft
18	N.S	2'-9" high stair railing comprising of 2-1/2" dia 16 gauge S.S pipe hand rail fixed with same dia pipe blusters as specified distance fixed at top of steps with expension bolts, 3 Nos of 16 gauge 1/2" dia S.S pipes horizontally fixed with blusters compelte in all respects	650.00	Rft	Per Rft
19	N.S	Providing and fixing Steel door consisting of 16 gauge M.S sheet welded with M.S "L" section, 1-1/4" x 1-1/4" x 1/8" M.S "L" section welded with M.S Sheet, hinged with Chowkat, i/c locking arrangement,handles, hinges etc. duly enamel painted complete in all respects as per drawings and specifications and as approved by the Engineer in charge.	500.00	Sft	Per Sft
20	N.S	Providing, applying and filling expansion joint with 2"x ¾" thick elastomeric sealant (Poly-Sulphide) of approved manufacture over backing rod complete in all respect according to manufactures recommendations and to the entire satisfaction of the engineer incharge	400.00	Rft	Per Rft
21	N.S	Providing and fixing of False Ceiling consisting of lamenated Gypsum Board (one side laminated) of size 600 mm x 600 mm x 10 mm approx over aluminium Tee's 1"x 1"size at 2'-0"x2-0" center to center longituidInally and transversally & alminium angle of size 1" x 1" at corners/ ends, including all accessries such as steel hanging wire, hooks, screws, nails, rowel plugs, Cross Joints etc. complete in all respect, and as			
22	N.S	approved by the Engineer Incharge. Providing & Fixing S.S pipe railing 2' high (For Gallery)	6400.00	Sft	Per Sft
22	N.5	comprising of 2.5" dia 16 SWG in corridor openings fixed with same dia pipe bluster at same distance with 2 No. 16 SWG 1/2" dia S.S pipe horizontally with accessories & fixing complete in all respect & as approved by the Engineer Incharge	3000.00	Rft	Per Rft
23	N.S	Providing and laying Floor Tile 24"x24" with dry/wet/ venied application, Salt'Pepper (SPM-110) Dark Polished SB including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineering incharge.	100.00	Sft	Per Sft
24	N.S	Providing and laying Dado Tile 24"x4" with dry/wet/ venied application, Salt'Pepper (SPM-110) Dark Polished SB including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineering incharge.	100.00	Sft	Per Sft
					Total
		Plumbing work			Total
1	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.	7000.00	Cft	%o Cft
2	3/42	Earthwork excavation in open cutting for sewers & 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 upto: i) 0 to 7 ft	20000.00	Cft	%oCft
3	19/43	Providing & Fixing Brass gas cock 15mm 1/2" dia	20.00	No	Each
4	23/41	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. i) upto 6" i/d (150 mm) ii) upto 8" i/d (200 mm)	2.00 2.00	Con. Con.	P/Con P/Con
5	19/19	Providing and fixing looking glass 55x40 cm (22"x16") size, and 5 mm thick, first quality.	15.00	No	Each
6	23/22	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. Light Quality a) ¾" i/d (20 mm)	850.00	Rft	P/Rft
		b) 1" i/d (25 mm)	850.00	Rft	P/Rft
7	23/42	c) 1½" i/d (40 mm) Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working	450.00	Rft	P/Rft
		presure pipe in trenches. complete in all respects PN-10 (SDR-17) i) 3" dia (90 mm)	650.00	Rft	P/Rft

8	19/7	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe and waste coupling	5.00	No	Each	
9	21/1	waste coupling. Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete. 225 mm (9") i/d	600.00	Rft	P/Rft	
\rightarrow					Total	
1	N.S	Plumbing work (Non-Schedule) Providing, fixing, cutting, jointing & testing uPVC drainage pipes of approved quality, i/c uPVC drainage fitting with soil vent cement jointing, " Type-B" or approved equal, rates i/c cost of clamping to walls and ceiling, hangers supports, cutting through wall & providing sleeves through concrete slab for pipe line & pipe fitting of following dia meters i) 4" i/d ii) 6" i/d	4000.00 3000.00	Rft	Per Rft Per Rft	
2	N.S	Providing, fixing, jointing and testing polypropylene Random (PPR) pipes of approved quality, for cold water as per DIN 8077-8078, PN-20 for pipes and DIN 16962, PN-25 for fittings (polyfusion welded joints) inside building including fittings and specials (sockets, tees, elbows, bends, crosses, reducers, adaptor, plugs and union etc) recessed in walls or suspended form roof slab or run in chases including pipe hangers, supports, cutting and making good the chases and hole complete in all respects. i) 25mm o.d	2400.00	Rft	Per Rft	
		ii) 32mm o.d iii) 40mm o.d	5400.00 3000.00	Rft Rft	Per Rft Per Rft	
		iv) 50mm o.d	1000.00	Rft	Per Rft	
3	N.S	Providing & Fixing uPVC P-trap 4" dia of approved quality	200.00	No	Each	
4	N.S	Construction of collection chamber without grating complete in all respcts as per drawing &/or as directed by the engineer	10.00	No	Each	
5	N.S	Providing & Fixing grating at site with angle iron frame 1.5 "x1.5"x1/4" and 1" square bars @ 1" c/c compele in all respects according to the drawing and specifications as per direction by the engineer incharge.	10.00	No	Each	
6	N.S	Construction of square masnory manhole 2.50x2.50 ft. including cover & frame upto 5' depth	20.00	No	Each	
7	N.S	Providing and installing Brass Ball/ Handle valves of approved quality of following nominal dia, including jointing, fitting, painting, testing, complete in all respects to match with PPR/uPVC pipes of following diameters.				
		i) 25 mm O.D	16.00	No	Each	
		ii) 32 mm O.D	16.00	No	Each	
		iii) 40 mm O.D	16.00	No	Each	
		iv) 50 mm O.D	4.00	No	Each	
8	N.S	Supply and installation of Gas geysers of following capacity , including ball valves on inlet and outlet connections complete in all respects. 14 SWG tank, 55 gallon Providing & Fixing Looking Glass 5-mm thick best	12.00	No	Each	
-		quality,complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.	800.00	Sft	P/Sft	
10	N.S	Providing & Fitting Steel floor jali best quality complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.	150.00	No	Each	
11	N.S	Providing & Fixing Muslim shower (HD-30 Porta or equivalent company) with double bib cock (HDA-5270B Universal) & flexibe steel pipe complete unit i/c all accessries required at site complete in all respect as per specifications as approved by the Engineer incharge	36.00	No	Each	
12	N.S	Providing and fixing Coloured Glazed Earthen ware water closet Europen type Couple set including Flush Tank fixed with comode, normal seat cover, sheet cover thimble, connection pipe Complete in all respect and approved by Engineering Incharge. (HD201 Porta or equivalent company)	36.00	No	Each	
13	N.S	Providing and fitting Flushing cistern 3-Gallon capacity				

		including Bracket set & Hockey pipe best quality complete in all respcts as approved by the engineer incharge (HD3T			
		Porta or equivalent company)	80.00	No	Each
14	N.S	Providing and fitting glazed earthen ware water closet (WC) Orisa pattern, combined with foot rest best quality complete in all respcts as approved by the engineer incharge (HDD9 Porta or equivalent company)	80.00	No	Each
15	N.S	Providing and fitting glazed earthen ware Counter basin/Vanity (HD16 Porta or equivalent company) including waste pipe and waste coupling, etc. best quality complete in all respcts as approved by the engineer incharge	170.00	No	Each
16	N.S	Providing and fitting Chromium plated Single lever Basin Mixer complete in all respcts as approved by the engineer incharge (Porta HDA0501M or equivalent company)	170.00	No	Each
17	N.S	Providing and fitting Single Lever Bath Mixer (Porta HDA0563Y) or equvialent complete in all respects as approved by the engineer incharge	100.00	No	Each
18	N.S	Providing and fitting Top Shower 6" dia (Porta HDDP2172) or equvialent complete in all respects as approved by the engineer incharge	100.00	No	Each
19	N.S	Providing and fitting Wash Basin with Pedestal (Porta HD17) or equvialent complete in all respects as approved by the engineer incharge	24.00	No	Each
20	N.S	Providing and fitting S.S Grip Bar (Porta HD95 456mm) or equvialent complete in all respects as approved by the engineer incharge	8.00	No	
21	N.S	Providing and fitting Chromium Tee Stop Cock Porta HDJ817A or equvialent complete in all respects as approved by the engineer incharge	700.00	No	
					Total
		Electrical Work (Schedule)			
1	24/6	Supply and erection PVC pipe for recessed wiring (main and sub-main) purpose, including bends, specials, etc. in floor, wall or trenches:-			
		50 mm i/d	6000.00	Rft	Per Rft
		80 mm i/d	2700.00	Rft	Per Rft
2	24/10-a	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")	4800.00	Rft	Per Rft
		ii) 7/0.74 mm (7/0.029")	2000.00	Rft	Per Rft
3	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	c(vi)	7/1.63 mm (7/0.064")	11000.00	Rft	Per Rft
ii	c(vii)	19/1.32 mm (19/0.052")	11000.00	Rft	Per Rft
4	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.			
		complete in all respects.	15000.00	Cft	%o Cft
5	3/15-i	Filling, watering and ramming earth under floors:- with surplus earth from foundation, etc.	15000.00	Cft	%o Cft
6	7/23	Dry brick pitching	600.00	Cft	% Cft
		Electrical Work (Non-Schedule)			Total
1	N.S	Wiring of light or fan point from switch board to the point with 3-Nos of 1.5 mm ² (3/0.029 ⁿ) 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 ⁿ) PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge			
			2300.00	No	Each
2	N.S	Circuit wiring from MCBs board to gang switch board/multi light plug with 3-Nos of 2.5 mm ² (7/0.029") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.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			
$\left - \right $			2600.00	No	Each
3	N.S	Wiring of light or fan from point to point with 3-Nos of 1.5 mm ² (3/0.029") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 20mm (3/4") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge			
			350.00	No	Each

4	N.S	Wiring of Multi/light plug from point to point with 3-Nos of 2.5 mm ² (7/0.029") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 20mm (%") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	280.00	No	Each	
5	N.S	Circuit wiring from MCBs board to Power Plug with 3-Nos of 6 mm ² (7/0.044") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 25mm (1") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	280.00	No	Each	
6	N.S	Providing & laying of PVC/PVC 2-Core flexible 23/0.0076" copper conductor cable i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (KM, Eagle or Equivalent)	170.00	м	Per M	
7	N.S	Providing & laying of PVC/PVC 3-Core flexible 40/0.0076" copper conductor cable i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (KM, Eagle or Equivalent)	190.00	м	Per M	
8	N.S	Supply & installation of LED 17W Down Light (6" Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Meson or Equivalent)	500.00	No	Each	
9	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)	1225.00	No	Each	
10	N.S	Supply & installation of Wall Bracket Fan 18" (99.99% Copper) i/c any accessories (i.e. mounting screws & etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Younis, Tamoor, Pakfan or Equivalent)	8.00	No	Each	
11	N.S	Supply & installation of Metal Body Wall Bracket Fan 24" (99.99% Copper) i/c any accessories (i.e. widing of mounting holes and 4.00nos of rawl bolts ¼" etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (SK mega or Equivalent)	3.00	No	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	520.00	No	Each	
13	N.S	Supply & installation of Metal body Exhaust fan 20" (99.99% Copper) with metal mounting frame i/c any accessories (i.e. screw. Rawl plug/rawl bolt etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Tamoor, Indus, Pakfan or Equivalent)	56.00	No	Each	
14	N.S	Supply & installation of PVC Exhaust fan 12" (99.99% Copper) i/c any accessories (i.e. screw. Rawl plug or steel nail, etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (GFC, Indus, Pakfan or Equivalent)	17.00	No	Each	
15	N.S	Supply & installation of Universal 3-Pole Socket with 13A Switch with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	1040.00	No	Each	
16	N.S	Supply & installation of a Power plug 15A with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	270.00	No	Each	
17	N.S	Supply & installation of a Fan Dimmer 300W with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	520.00	No	Each	
18	N.S	Supply & installation of a Four Single Pole Switch Plate with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	44.00	No	Each	
19	N.S	Supply & installation of a Six Single Pole Switch Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	36.00	No	Each	
20	N.S	Supply & installation of a Eight Single Pole Switch Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	325.00	No	Each	
21	N.S	Supply & installation of a Four Single Pole Switch & Two 2-Pin Socket Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	8.00	No	Each	
22	N.S	Supply, installation, connection & commissioning of distribution boards, (Sub Main DB-N), Open 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 80 Amps T-p (15KA) 1.00 No, Distribution Miniature Circuit Breaker of 10/20 Amps S-p (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 Hitachi, Schneider Electric, Legrand or equivalent).	22.00	No		

23	N.S	Supply, installation, connection & commissioning of distribution boards, (Sub Main DB-E), Open 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 50 Amps T-p (10KA) 1.00 No, Distribution Miniature Circuit Breaker of 10/16 Amps S-p (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 Hitachi, Schneider Electric, Legrand or equivalent).	22.00	No	Each	
24	N.S	Supply, installation, connection & commissioning of 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 Molded Case Circuit Breaker 1000 Amps T-p (36KA) 1.00 No, For DB-N (Main Molded Case Circuit Breaker 630 Amps T-p (36KA) 1.00 No, For DB-N (Main Molded Case Circuit Breaker 80 Amps T-p (15KA) 21.00 Nos) & for DB-E (Main Molded Case Circuit Breaker 400 Amps T-p (36KA) 1.00 No and distribution Molded Case Circuit Breaker 50 Amps T-p (15KA) 21.00 Nos) respectively, Digital Volt, Selector switches, LED Phase lights, Copper bus bars, Earthing bar, Neutral bar and any accessories required at site. Complete in all respects as approved by the engineer incharge. (for MCCB General Electric, Schneider Electric & Legrand).				
			1.00	No	Each	
25	N.S	Providing and Laying earthing for Electric Machines I/c boring up to moisture level (up to 60' below ground level) 4" i/d including copper strip 14" x 2" x 1/4" (350 x 50 x 6 mm) connecting with 1 Nos.bare copper wire of No.8 SWG to be run in PVC pipe 20mm i/d, 1/4" i/d GI pipe 5' long, GI tee & plug for watering also includs common salt, Lime (slaked) and charcoal around copper strip I/c connecting with Electric machine. Complete in all respects as approved and as directed by the engineer incharge.	2.00	Ne		
			3.00	No	Each	
26	N.S	Supply & installation of Wall Light with 3 Watt LED Blub (Philips) (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	130.00	No	Each	
27	N.S	Supply & installation of LED 2'x 2' 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 36S/865 PSU W60L60 GM G2 or Equivalent)	240.00	No	Each	
28	N.S	Supply & installation of 2' x 2' False Ceiling Fan 16" 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)	110.00	No	Each	
29	N.S	Providing & laying of 240 mm ² 4-Core Copper Conductor PVC/PVC/steel wire armoured/PVC (Armoured) cable i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Newage, Pakistan, Copper Gate, Fast or Equivalent)	100.00	м	Per M	
30	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)	425.00	No	Each	
31	N.S	Horizontal boring 4" dia underneath roads, walking path & ramps of houses for crossing of Electric power cables, PVC pipes or Water lines. Complete in all respects as approved and as directed by the engineer incharge.	100.00	Rft	Per Rft	
					Total	
				I	Total	

1	3/21	External Work (Guard Hut, Visitor Room, Tuck Shop & Boundary Wall) Civil Work Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead 'upto one chain (30 m) and lift upto 5 ft. (1.5 m). b) In ordinary soil.	6000.00	Cft	%o Cft	
2	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	200.00	Cft	% Cft	
3	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- i) Ratio 1:4:8 i) Ratio 1:6:12	350.00 3500.00	Cft Cft	% Cft % Cft	
4	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)	350.00	Cft	Per Cft	
5	26/42	Spraying anti-termite liquid mixed with water in the ratio of 1:40	600.00	Sft	% Sft	
6	7/4	Pacca brick work in foundation and plinth in:- Cement, sand mortar: Ratio 1:6	8500.00	Cft	% Cft	
7	6/33	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. 1.5" thick (40 mm)	1900.00	Sft	% Sft	

8	6/35	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- with one coat of bitumen and one coat of polythene sheet 500 gauge: Ratio 1:3 ¾ " thick (20 mm)	500.00	Sft	% Sft	
9	3/15 +3/17	Filling, watering and ramming earth under floors:- i) with surplus earth from foundation, etc.	1500.00	Cft	%o Cft	
		ii) with new earth excavated from outside,lead upto 1/4 mile	3000.00	Cft	%o Cft	
10	7/5	Pacca brick work in Cement, sand mortar:- Ratio 1:5	0500.00			
11	7/5	i) Ground Floor (7/5-i) Pacca brick work in Cement, sand mortar:- Ratio 1:4	2500.00	Cft	% Cft	
	115	i) Ground Floor	100.00	Cft	% Cft	
12	11/10	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. Ratio 1:3	1000.00	Sft	% Sft	
13	11/9	Cement plaster 1:4 upto 20' (6.00 m) height:- i) ½" (13 mm) thick (11/9-b)	37500.00	Sft	% Sft	
		ii) 3/4" (20 mm) thick	6000.00	Sft	% Sft	
14	6/9	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars Deformed Bar 60-Grade	1500.00	Kg	% Kg	
			1000.00	Ng	, s r.g	
15	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 mix1:2:4)				
10	7/00	using harrow sand Ground Floor	550	Cft	Per Cft	
16 17	7/30 6/2	Supplying and filling sand under floor; or plugging in wells Dry rammed brick or stone ballast, 11/2" to 2"(40 mm to	400.00	Cft Cft	% Cft % Cft	
17	0/2	50 mm) gauge.	400.00	GI	70 Cit	
18	12/50	Providing and fixing $1\frac{1}{2}$ " (40mm) thick solid flush door shutter sterling or equivalent with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping $1\frac{1}{2}$ "x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect.	200.00	Sft	Per Sft	
19	25/53	Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size100mmx 30mm using frame at bottom, at top and side leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gas ket using approved standard latches, wheel, stopper, brush chennel angle joint and hardware				
		etc.complete in all respect 2 mm thick	250.00	Sft	Per Sft	
20	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.	1000.00	Ka	% Ka	
21	13/31	Preparing surface & painting with 3 coats Emulsion paint	3000.00	Kg Sft	% Kg % Sft	
	10,01	complete in all respects	0000.00	on	<i>// 0//</i>	
22	13/5	Painting new surface: Preparing surface and painting of doors and windows any type (including edges):- 3 coats	200.00	Sft	% Sft	
23	13/32	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	41000.00	Sft	% Sft	
24	10/15	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- 2" thick	400.00	Sft	% Sft	
25	12/18	Providing and fixing sliding bolt to doors:- iron sliding bolt, 12" (300 mm) long	10.00	No	Each	
26	10/42	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 11/2"x3/8" (40x10mm)	400.00	Rft	Per Rft	
27	7/7	Pacca brick work other than building upto 10ft. (3 m) height. cement, sand mortar:- 'Ratio 1:5	7000.00	Cft	% Cft	
28	10/43	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand				

		cushion i/c grouting with sand in joints i/c finishing to require slope complete in all respect. (50% Grey / 50% Coloured) 60 mm thick	6500.00	Sft	P/Sft	
29	3/5	Earthowrk in ordinary soil for embankments lead upto 100 ft. (30 m), including ploughing and mixing with blade grade or disc harrow or other suitable equipment, and compaction by mechanical means at optimum moisture content and dressing to designed section, complete in all respects:- 85% maximum modified AASHO dry density.	80000.00	Cft	%oCft	
30	18/19	Providing and laying dry brick pavement/soling in streets or roads, etc. sand grounted, laid in proper camber, including preparation, watering, compaction of bed to proper camber, and sand cushion.	4000.00	Cft	% Cft	
31	18/5	Providing and laying road edging of 3" (75 mm) wide and 9" (225 mm) deep brick on end, complete in all respects.	1200.00	Rft	Per Rft	
1	N.S	Civil Work (Non-Schedule) Providing, Fabricating and fixing 16 SWG M.S sheet hollow pressed Jamb frame (Factory primme) for door welded with MS flat size 10"x1"x1/8", hold fast i/c welding/screwing 4" long iron hinges, filling concrete for the jamb frame and embedding hold fast in the adjointing walls with 1:2:4 concrete, enamel painting etc. complete in all respects as show on the drawing and/ or as directed			Total	
		by the engineer, in conformance with following size i) 10"x2-1/2"	250.00	Sft	Per Sft	
	NO	ii) 6"x2-1/2"	55.00	Sft	Per Sft	
2	N.S	Providing & Fixing Fair Face Brick Guttka 9"x3"x2.25" (straight or on edges) joint in 1:3 cement surkhi over 3/4" thick (AVG) 1:4 C/S base mortor on wall including laying ornamental bricks in approved pattern, scaffolding & during at any height, complete in all respect as shown on the drawing or as directed by the engineer incharge.	2000.00	Sft	Per Sft	
3	N.S	Providing and laying Floor Tile 24"x24" Granite with dry/wet/venied application, DWV series Polished (Dark color) class SB including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineering inch.	950.00	Sft	Per Sft	
4	N.S	Providing and laying Floor Tile 12"x18" SP Series on matching color base (Glossy) Dark Color Rectified SB) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineer incharge	60.00	Sft	Per Sft	
5	N.S	Providing and laying Dado Tile 12"x18" SP Series on matching color base (Glossy) Dark Color Rectified SB) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineer incharge	250.00	Sft	Per Sft	
6	N.S	Providing & Fixing marble 3/4" thick Buticina fency 12"X12" with floating coat of cement over a bed of 3/4" thick cement sand mortor 1:2 over 1" thick PCC 1:2:4 Gray cement, including colour pigment to match with the colour of marble tiles laid with cement sand mortor 1:2 rubbing and chemical Polishing, as approved by Engineering Incharge	30.00	Sft	Per Sft	
7	N.S	M.S Steel Grill for windows comprising of $1/2"x1/2"$ square bar @ 4" c/c with 1.25"x1.25"x1/8" MS box angle iron for frame including painting 3 coats complete in all respect as shown on the drawings, specification and/ or as directed by the Engineer incharge	350.00	Kg	Per Kg	
8	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	50.00	Sft	Per Sft	
9	N.S	Putti filling for emulsion paint including rubbing and primary coat complete in all respects as approved by the Engineer Incharge.	3000.00	Sft	Per Sft	
10	N.S	Providing and fixing ornamental partal wooden architrave 3"x1/2" (75mmx12mm) tapered to 1/4" (6mm) all along the door frame complete in all respect as approved by the Engineer Incharge.	200.00	Sft	Per Sft	
11	N.S	Providing and fixing Razor cutt wire fencing double sharp four pointed razors @ 1- 1/4" c/c with 'U' shaped cladding over M.S wire making ring of 24" dia 3 Nos rings in one Rft lenth at 0.66 Kg P/Rft fixed on wall with M.S angle iron post 1.5"x1.5"x3/16" 2'-3" high + and 9" embeded in base of P.C.C 1:2:4 (9"x9"x9"at every 4' apart i/c 2 Nos bars 3/8" dia welded horizentally with angle iron, i/c binding wire i/c painting posts				

		etc. complete in all respects.	1200.00	Rft	Per Rft	1
12	N.S	Providing and laying Floor Tile 24"x24" with dry/wet/venied application, Salt'Pepper (SPM-110) Dark Polished SB including 05% Wastage laid in cement with				
		pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineering				
		incharge.	50.00	Sft	Per Sft	
		Plumbing work			Total	
1	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	500.00	Cft	%o Cft	
		and cutting pits for joints, etc				
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 upto: i) 0 to 7 ft	500.00	Cft	%oCft	
3	19/19	Providing and fixing looking glass 55x40 cm (22"x16") size, and 5 mm thick, first quality.	1.00	No	Each	
4	23/22	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. Light Quality				
		a) ¾" i/d (20 mm)	100.00	Rft	P/Rft	
		b) 1" i/d (25 mm)	100.00	Rft	P/Rft	
5	19/1	Providing and fitting glazed earthen ware water closet European type, excluding seat and cover:- coloured	1.00	No	Each	
6	19/2	Providing and fixing, double seat and cover only. bakelite	1.00	No	Each	
7	19/3	providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. coloured	3.00	No	Each	
8	19/6	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. i) coloured, with pedestal	3.00	No	Each	
9	19/12	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. Coloured	3.00	No	Each	
10	19/22	Providing and fitting:- i) Plastic soap dish	3.00	No	Each	
		ii) Plastic toilet paper holder	3.00	No	Each	
		iii) Plastic towel rail	3.00	No	Each	
		iv) Plastic shelf 60x13 cm (24"x5") with bracket and railing.	3.00	No	Each	
11	19/27	Providing and fixing chromium plated tee stop cock 15mm (½")	6.00	No	Each	
12	19/26	Providing and fixing chromium plated bib cock:- 1.5 cm ($\frac{1}{2}$ ")	3.00	No	Each	
13	19/28	Providing and fixing chromium plated shower rose:- 1.5x10 cm (½"x4")	1.00	No	Each	
14	19/29	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	1.00	No	Each	
15	19/34	Providing and fitting "P" trap:- 10 cm (4") glazed.	3.00	No	Each	
		Plumbing work (Non-Schedule)			Total	\neg
1	N.S	Providing, fixing, cutting, jointing & testing uPVC drainage pipes of approved quality, i/c uPVC drainage fitting with soil vent cement jointing, " Type-B" or approved equal, rates i/c cost of clamping to walls and ceiling, hangers supports, cutting through wall & providing sleeves through concrete slab for pipe line & pipe fitting of following dia meters i) 4" i/d	50.00	Rft	Per Rft	
		ii) 6" i/d	50.00	Rft	Per Rft	
2	N.S	Providing, fixing, jointing and testing polypropylene Random (PPR) pipes of approved quality, for cold water as per DIN 8077-8078, PN-20 for pipes and DIN 16962, PN-25 for fittings (polyfusion welded joints) inside building including fittings and specials (sockets, tees, elbows, bends, crosses, reducers, adaptor, plugs and union etc) recessed				

1 10.20mm n.d. 152.00 File Per Hit 3 N.5 Providing a Filing uPVC Priap of the disponse quality 3.00 Ne Each 4 N.5 Providing a filing uPVC Priap of the disponse quality 3.00 Ne Each 5 N.5 Providing a filing QPVC Priap of the disponse quality complex in all increases. 1.00 Ne Each 5 N.5 Stam O.D 1.00 Ne Each 7 All Stam O.D Stam O.D Increases Increases Increases 1 24 Backford TW on Signature Intrade. Total Increases Increases 1 24 Backford TW on Signature Intrade. Increases Increases Increases 2 240 Backford TW on Signature Intrade. Increases Increases Increases Increases 2 240 Backford TW on Signature Intrade. Increases Increases Increases Increases 2 240 Stam Intrade. Increases Increases Increases			in walls or suspended form roof slab or run in chases including pipe hangers, supports, cutting and making good the chases and hole complete in all respects. i) 25mm o.d	100.00	Rft	Per Rft	
4 N.S. Providing and initialing Brase Balf Heads waves of a sproved output of following normal 6 is, including jointing, in the initial section output of t			ii) 32mm o.d	150.00	Rft	Per Rft	
approve applied of biologing and the strength of a filteration printing, and the printing and the prin	3	N.S	Providing & Fixing uPVC P-trap 4" dia of approved quality	3.00	No	Each	
S N.0 10.00 No Each 5 N.3 Providing A Tilling Steel floor jail best (quality complete in all register tractange. 3.00 No Each 1	4	N.S	approved quality of following nominal dia, including jointing, fitting, painting, testing, complete in all respects to match with PPR/uPVC pipes of following diameters.	1.00	No	Each	
Image:	5	N.S	ii) 32 mm O.D	1.00			
Electrical Work (decaded) Image: Second			respect as per specifications and drawings and as	3.00	No	Each	
1 244 Stappy and exection PCO pairs for interested wing (man at ato many) purpose. 200.00 R1 Per R1 2 2447 Stappy and exection of PCO pairs for interches. 200.00 R1 Per R1 2 2447 Stappy and exection of PCO pairs for interches. 200.00 R1 Per R1 3 2447.00 Stappy and exection of PCO pairs for interches. 200.00 R1 Per R1 3 2447.00 Stappy and exection of PCO pairs for interported in the point interported in the point interported inter			Electrical Work (Schedule)			Total	
Losses put bases, nocks, culling parties and regating surface, etc., complete with all saccials. Per Rt. 3 2410-a Supply and sentence of single core PVC-insulated cooper conductor cables. In example, Coll and sentence of single core PVC-insulated cooper conductor cables. In example, Coll and Sentence of a single core PVC-insulated cooper conductor cables. In example, Coll and Sentence of a single core PVC-insulated cooper conductor cables. In example, Coll and Sentence of a single core PVC-insulated cooper conductor cables. In example, Coll and Sentence of the cable only 250040 vite. PVC insulated. Per Rt. 4 0.716.5 mm (70.0047) 700.00 etc. Per Rt. 4 2413 Supply and sentence of cooper conductor cables for service connection. In preliad prof. In whether the set of the one of the one of the one of the one of the set of the one of the set of the one of the set of the one of the	1	24/6	Supply and erection PVC pipe for recessed wiring (main and sub-main) purpose, including bends, specials, etc. in floor, wall or trenches:-	200.00	Rft	Per Rft	
3 2410-0 Supply and erection of single core PVC insulated copper conductor calles, in presid PVC ppeNS, conductor (5) ppeNooden asing an opping (3). Windowskes (as for calles on) (2004-04e, PVC insulated). Per Rt. 1 0, 77.183 mm (70.084°) 2004-04e, PVC insulated. Per Rt. 1 17.02.74 mm (70.084°) 950.00 pm (2). Windowske, etc. (mail as the calles on) (2004-04e, PVC insulated). Per Rt. 4 2413 Supply and arection of copper conductor cables for service connection, in presid ppOC 1. windowske, etc. (mat for cable on)): Per Rt. 4 2413 Supply and arection of copper conductor cables for service connection, in presid ppOC 1. windowske, etc. (mat for cable on): Per Rt. 5 3146 Excession of techera in all bits of fool. sequence connection, in presid ppOC 1. Windowske, etc. (mat for cable on): Per Rt. 5 3146 Excession of techera in all bits of fool. sequence connection, in presid ppIn as the fool of sequence connection, in presid ppIn as the fool of sequence connection, in presid ppIn as the fool of sequence connection, in presid ppIn as the fool of sequence connection, in presid ppIn and the fool of sequence connection, in presid ppIn and the fool of sequence connection, in presid ppIn and the fool of sequence connection, in presid ppIn and the fool of sequence connection, in presid ppIn and the fool of sequence connection, in presid ppIn and the fool of sequence connection, in presid ppIn and the fool of sequence connectin ppIn and the fool of sequence co	2	24/3	boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with				
preliat PVC pipelAS. condultS1 pipelwooden sing ant capting S1. With PVC pipelAS. condultS1 pipelwooden sing ant capting S1. With PVC pipelAS. condultS1 pipelWooden sing ant capting S1. With PVC pipelAS. condultS1 pipelWooden sing ant pipelAS. CondultS1 pipelWooden sing PVC pipelAS. condultS1 pipelWooden sing PVC pipelAS. condultS1 pipelWooden S1. PVC PVC PipelAS.			25 mm i/d	1750.00	Rft	Per Rft	
Image: Part of the second se	3	24/10-a	prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an				
Image: constraint of the second sec			i) 7/1.63 mm (7/0.064")	700.00	Rft	Per Rft	
4 24/13 Supply and exection of opper conductor cables for service connection, in preliaid physic L. with therebes, etc. (rate for cables.only):- PNC (realande, PVC shealled et al.) 1 1 1 0(v) 71.83 mm (770.064') 250.00 Rt Per Rt 5 3/444 Execution of therebes in all kinds of soil except catting 'took for water supply sides, leveling the bes's of therebes in all kinds of soil except catting 'took for water supply is des, leveling the bes's of therebes in all kinds of soil. Soil 0.00 Cr. %so Cr. 6 3/16-1 Fill supply and exection of therebes to correct grade and outling pills for joints, etc. complete in all respects. 15000.00 Cr. %so Cr. 7 7/23 Dry brick pitching 600.00 Cr. %so Cr. 9 24467 Supply and exection of shackete insulator, medium size. 20.00 No Each 9 24462 Supply and exection of all aluminum stranded hard drawn bare conductor, of size 77.000 mm (70.122). Supply and exection of all aluminum stranded hard drawn bare conductor, of size 77.000 mm (70.122). Supply and exection of intervioling interviol. Per Rt 11 24462 Supply and exection of intervioling interviol. 1 No Each 11 24478 Supply and exection			ii) 7/0.74 mm (7/0.029")	850.00	Rft	Per Rft	
24/13 Supply and erection of copper conductor cables for service connection, in preliaid pipe/6.1, wite/free/hes, etc. (rate for cable only) PVC insulated PVC sheathed 4 core, 660/1100 volt non armoured cable:			iii) 7/1.12 mm (7/0.044")	3700.00	D#	Der Dft	
piperof. current curre	_	04/40		3700.00	RIL		
1 1 1 220.00 kit Parket 5 3/44 Excerning in all kinds of soil, except cutting trock, for water supply gipe lines upb 5 ft. (1.5 m) depth from ground level, including timming, dressing sides, leveling the beds of trenches to correct grade and cutting pits for joints, etc. 15000.00 Crt %o Crt 6 3/15-1 Filling, watering and ramming earth under floors: 15000.00 Crt %o Crt 7 7/23 Dry brick pitching 600.00 Crt %o Crt 8 24/57 Supply and erection of shackle insulator, medium size. 20.00 No Each 9 24/62 Supply and erection of all aluminum stranded hard drawn bare conductor, of size 3500.00 Rt Per Rt 10 24/63 Supply and erection of interet light pole bracket 30 mm (1½°) GI, pipe 2 metre 3.000 No Each 11 24/18 Supply and erection of introvaluminum citad, 500 volts main switches with kilkat 1 1 11 24/18 Supply and erection of introvaluminum citad, 500 volts main switches with kilkat 1 1 11 24/18 Supply and erection of introvaluminum citad, 500 volts main switches with kilkat 1 1 11 24/18 Supply and erection of introvaluminum citad, 500 volts main switches with kilkat 1 1 11 24/18 Supply and erection of introvaluminum	4	24/13	pipe/G.I. wire/trenches, etc. (rate for cable only):				
abs inpetines upo 5 ft, 15 m) depth from ground level, including pitro from joints, etc. 15000.00 ctt %o Ctt abs initial respects. 15000.00 ctt %o Ctt abs initial respects. initial respects. abs initial respects. initial respect as directed and patient for formation of the state initial respect as directed and approved by the Engineer Incharge initial respect as directed and approved by the Engineer Incharge abs 24/67 Supply and erection of street light pole bracket 30 mm (1%) G1. pipe 2 metre and a street in the street in the street include include include include in the street include includ	i	c(vi)	7/1.63 mm (7/0.064")	250.00	Rft	Per Rft	
with surplus earth from foundation, etc. 15000.00 crt %o crt 7 7723 Dry brick pitching 600.00 crt % crt 8 24/57 Supply and erection of shackle insulator, medium size. 20.00 No Each 9 24/62 Supply and erection of all aluminum stranded hard drawn bare conductor, of size 3500.00 Rrt Per Rrt 10 24/63 Supply and erection of stratet light pole bracket 30 mm (1½") G1. pipe 2 metre 3.00 No Each 11 24/18 Supply and erection of inorialuminum clad, 500 wolts main switches with kitkat fuses, on angle iron board with 3 mm (1%") G1. pipe 2 metre 3.00 No Each 11 24/18 Supply and erection of inorialuminum clad, 500 wolts main switches with kitkat fuses, on angle iron board with 3 mm (1%") G1. pipe 2 metre 3.00 No Each 11 24/18 Supply and erection of inorialuminum clad, 500 wolts main switches with kitkat fuses, on angle iron board with 3 mm (1%") G1. pipe 2 metre 3.00 No Each 11 24/18 Supply and erection of inorialuminum clad, 500 wolts main switches with angle on board multi d1% fuses of 1.5 mm ² 1.00 No Each 11 24/18 Supply and erection of inorialuminum stranded beard multi d1% Hum d1% sos of 1.5 mm ² 30.00 No Each 1 <td>5</td> <td>3/44</td> <td>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.</td> <td>15000.00</td> <td>Cft</td> <td>%o Cft</td> <td></td>	5	3/44	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.	15000.00	Cft	%o Cft	
1 10000.00 Crt %6 Crt 7 7723 Dry brick pitching 600.00 Crt %6 Crt 8 24/57 Supply and erection of shackle insulator, medium size. 20.00 No Each 9 24/62 Supply and erection of all aluminum stranded hard drawn bare conductor, of size 3500.00 Rrt Per Rrt 10 24/63 Supply and erection of all aluminum stranded hard drawn bare conductor, of size 3500.00 Rrt Per Rrt 11 24/63 Supply and erection of introl strate light pole bracket 30 mm (1½") G1, pipe 2 metre 3.00 No Each 10 24/63 Supply and erection of introl aluminum clad, 500 volts main switches with kilkat fuses, on angle iron board with 3 mm (1/8") tick MS, sheet covering, including bonding to earth with necessary flexible pipe and thimbles, etc. double pole 60/65 1.00 No Each 11 24/18 Supply and erection of introl aluminum clad, 500 volts main switches with kilkat fuses, on angle iron board with 3 mm (1/8") tick MS, sheet covering, including bonding to earth with necessary flexible pipe and thimbles, etc. double pole 60/65 1.00 No Each 11 24/18 Supply and erection of introl aluminum clad, 500 volts main awitches with kilkat fuses, on angle iron board with 3 mm (1/8") tick MS, sheet covering, including broking to conduct 3 pperiodoen strip batterivocoden casing an capping/G1. withertheshes in 20mm (1/9 / VC) pipe i/L any accessories required at site. Complete in all respect as diffected and approved by the Engineer Inchar	6	3/15-i					
7			with surplus earth from foundation, etc.	15000.00	Cft	%o Cft	
24/57 111 20.00 No Each 9 24/62 Supply and erection of all aluminum stranded hard drawn bare conductor, of size 7/3.099 mm (7/0.122*). 3500.00 Rt Per Rtt 10 24/63 Supply and erection of street light pole bracket 30 mm (1½*) G.I. pipe 2 metre long, complete with 2 No. pole clamp. 3.00 No Each 11 24/18 Supply and erection of iron/aluminum clad. 500 volts main switches with kitkat fuses, on angle iron board with 3 mm (1½*) thick M.S. sheet covering, including bonding to earth with necessary flexible pipe and thimbles, etc. double pole 60/65 Amp. 1.00 No Each 11 24/18 Supply and erection of transluted copper conductor cables, in prelaid PVC pipe/M.S. conduit/G1 pipe/wooden strip batten/wooden casing an capping/G1. wire/trenches in 20mm (34*) PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge 30.00 No Each 2 N.S Circuit wiring from MCBs board to gang switch board/multi light plug with 3-Nos of 2.5 mm* (7/0.029*) single core PVC insulated cooper conductor cables, in prelaid PVC pipe/M.S. conduit/G1 pipe/wooden strip batter/wooden casing an capping/G1. wireftrenches in 25mm (1*) PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge 10.00 No Each 3 N.S Wiring of light or fan from point to point with 3-Nos of 1.5 mm* (3/0.029*) single core PVC insulated cooper conductor cables, in prelaid PVC pipe/M.S. conduit/G1 pipe/wooden strip batter/wooden casing an capping/G1. wireftrenches in 25	7	7/23	Dry brick pitching	600.00	Cft	% Cft	
2 7/3.099 mm (7/0.122"). 3500.00 Rt Per Rtt 10 24/63 Supply and erection of street light pole bracket 30 mm (1%") G.I. pipe 2 metre long, complete with 2 No. pole clamp. 3.00 No Each 11 24/18 Supply and erection of iron/aluminum clad, 500 volts main switches with kitkat fuses, on angle iron board with 3 mm (1%") thick M.S. sheet covering, including bonding to earth with necessary flexible pipe and thimbles, etc. double pole 60/65 1.00 No Each 11 24/18 Supply and erection of iron/aluminum clad, 500 volts main switches with kitkat fuses, on angle iron board with 3 mm (1%") thick M.S. sheet covering, including bonding to earth with necessary flexible pipe and thimbles, etc. double pole 60/65 1.00 No Each 11 24/18 Supply and erection of iron/aluminum clad, 500 volts main switches with kitkat fuses, on angle iron board with 3 mm (1%") thick M.S. sheet covering, including bonding to earth with necessary flexible pipe and thimbles, etc. double pole 60/65 1.00 No Each 11 N.S Wiring of light or fan point from switch board to the point with 3-Nos of 1.5 mm ² (30.02") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. condutt/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/retrenches in 20mm (34") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge 30.00 No Each 2 N.S Circuit wiring fm MCBs board to gang switch board/multi light plug with 3-Nos of 2.5 mm ² (7.0 028") single core PVC insulated copper conductor ca	8	24/57	Supply and erection of shackle insulator, medium size.	20.00	No	Each	
10ng, complete with 2 No. pole clamp. 3.00 No Each 11 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 60/65 1.00 No Each 11 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 60/65 1.00 No Each 1 Amp. 100 No Each 2 Interview (Non-Schedule) 1 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. condult/0.1 pipe/wooden strip battern/wooden casing an capping/0.1. 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 30.00 No 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. condult/0.1 pipe/wooden strip battern/wooden casing an capping/0.1. wire/trenches in 20mm (1/9 PVC pipe/M.S. condult/0.1 pipe/wooden strip battern/wooden casing an capping/0.1. wire/trenches in 20mm (3/4") PVC pipe/i/c any accessories required at site. Complete in all respect as	9	24/62		3500.00	Rft	Per Rft	
1 N.S Circuit wiring from MCBs board to gang switch board/multi light plug with 3-Nos of 2.5 mm² (7/10.029°) 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. sonduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 25mm (1°) PVC pipe i/C. sonduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in all respect as directed and approved by the Engineer Incharge Image: Single core PVC insulated copper conductor cables, in prelaid PVC 2 N.S Circuit wiring from MCBs board to gang switch board/multi light plug with 3-Nos of 2.5 mm² (7/10.029°) 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. sonduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 25mm (1°) PVC pipe i/C. sonduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 25mm (1°) PVC pipe i/C. sonduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 25mm (1°) PVC pipe i/C. sonduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 25mm (1°) PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 25mm (1°) 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 Image: Ima	10	24/63		3.00	No	Each	
Electrical Work (Non-Schedule) Image: Construct of the point with 3-Nos of 1.5 mm² 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 30.00 No 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 10.00 No 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 25mm (3/4") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge 10.00 No Each	11	24/18	fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including bonding to earth with necessary flexible pipe and thimbles, etc. double pole 60/65	1.00	No	Each	
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 trip 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 30.00 No 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 10.00 No 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 25mm (1") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge 10.00 No 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 10.00 No Each						Total	
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 10.00 No 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 10.00 No Each	1	N.S	Wiring of light or fan point from switch board to the point with 3-Nos of 1.5 mm ² (3/0.029") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 20mm (3/4") PVC pipe i/c any accessories required at site.				
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 10.00 No 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 casping/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				30.00	No	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	2	N.S	2.5 mm ² (7/0.029") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 25mm (1") PVC pipe i/c any accessories required at	40.00	N-		
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				10.00	00	Eacn	
15.00 No Each	3	N.S	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				
				15.00	No	Each	

4	N.S	Wiring of Multi/light plug from point to point with 3-Nos of 2.5 mm ² (7/0.029") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.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	6.00	No	Each	
5	N.S	Circuit wiring from MCBs board to Power Plug with 3-Nos of 6 mm ² (7/0.044") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 25mm (1") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	5.00	No	Each	
6	N.S	Supply & installation of LED 17W Down Light (6" Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Meson or Equivalent)	8.00	No	Each	
7	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)	12.00	No	Each	
8	N.S	Supply & installation of Wall Bracket Fan 18" (99.99% Copper) i/c any accessories (i.e. mounting screws & etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Younis, Tamoor, Pakfan or Equivalent)	1.00	No	Each	
9	N.S	Supply & installation of Metal Body Wall Bracket Fan 24" (99.99% Copper) i/c any accessories (i.e. widing of mounting holes and 4.00nos of rawl bolts ¼" etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (SK mega or Equivalent)	1.00	No	Each	
10	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	5.00	No	Each	
11	N.S	Supply & installation of PVC Exhaust fan 12" (99.99% Copper) i/c any accessories				
		(i.e. screw. Rawl plug or steel nail, etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (GFC, Indus, Pakfan or				
		Equivalent)	5.00	No	Each	
12	N.S	Supply & installation of Universal 3-Pole Socket with 13A Switch with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed				
		and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	10.00	No	Each	
13	N.S	Supply & installation of a Power plug 15A with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	5.00	No	Each	
14	N.S	Supply & installation of a Fan Dimmer 300W with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	5.00	No	Each	
15	N.S	Supply & installation of a Four Single Pole Switch Plate with plastic back box 3"x 3"				
		i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	3.00	No	Each	
16	N.S	Supply & installation of a Six Single Pole Switch Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	2.00		Each	
17	N.S	Supply & installation of a Eight Single Pole Switch Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	5.00	No	Each	
18	N.S	Supply & installation of a Four Single Pole Switch & Two 2-Pin Socket Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	2.00	No	Each	
19	N.S	Supply, installation, connection & commissioning of distribution boards, (Sub Main DB-N), Open 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 80 Amps T-p (15KA) 1.00 No, Distribution Miniature Circuit Breaker of 10/20 Amps S-p (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 Hitachi, Schneider Electric, Legrand or equivalent).	1.00	No		
20	N.S	Providing and Laying earthing for Electric Machines I/c boring up to moisture level (up to 60' below ground level) 4" i/d including copper strip 14" x 2" x 1/4" (350 x 50 x 6 mm) connecting with 1 Nos.bare copper wire of No.8 SWG to be run in PVC pipe 20mm i/d, 1'.4" i/d GI pipe 5' long, GI tee & plug for watering also includs common salt, Lime (slaked) and charcoal around copper strip I/c connecting with Electric machine.	2.00	No	Each	
21	N.S	Supply & installation of Wall Light with 3 Watt LED Blub (Philips) (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	12.00		Each	
22	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)	5.00	No	Each	
				L	I I	

23	N.S	Supply & Installation & commissioning of 400 KVA (11 KV/415V) 3-phase, 50 Hz step down Pad mounted / enclosed type distribution Transformer having connection group, DY-11 oil immersed natural cooled with HV & LV protections (as per WAPDA standard) i/c any other accessories required at site. Complete in all respects as approved by the Engineer incharge. (with complete purchase and tax documents) (PEL, Transfopower or Equivalent)	1.00	No	Each
24	N.S	Supply & Laying of 3-core, 120mm ² , 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)	90.00	м	Per M
25	N.S	Supply and installation of 120mm ² , 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	No	Each
26	N.S	Supply & installation of Die-Cast Aluminum LED Boundary Light 27W (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips, BRP210 LED 34 or Equivalent).	48.00	No	Each
27	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	No	Each
28	N.S	Supply and installation of 120mm ² , Aluminum Alloy Parallel Groove Clamp complete with nut/bolts i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	4.00	No	Each
29	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	No	Each
30	N.S	Manufacturing and erection of galvanized angle iron lattice steel structure HT pole of size 34'-8" long using high tensile steel angle 1%"x1%"x3/16" with MS angle iron and 1"x1"x%" and flat iron 2"x%"bracing, weighing 200±3%kg i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	3.00	No	Each
31	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.	6.00	No	Each
32	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.	9.00	No	Each
33	N.S	Supply & Installation of 11KV Disc Insulator i/c aluminum alloy Dead end clamp and any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	12.00	No	Each
34	N.S	Supply & erection of ACSR Dog (118.5 mm ²) Conductor (Aluminum Conductor Steel Reinforced) for overhead11 KV Lines <i>i/c</i> any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	2100.00	Rft	Per Rft
35	N.S	Supply & Installation of Stay wire set i/c all accessories such as 'U' clamp, Rod & concrete block etc and any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	2.00	No	Each
36	N.S	Supply & installation of Die-Cast Aluminum LED Street light 36W (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips, BRP390 LED 750/CW or Equivalent) with 3 year warranty.	3.00	No	Each
					Total

The Islamia University of Bahawalpur Construction of New Boys Hostel (No.2) at Baghdad-ul-Jadeed Campus

		Civil Work				MRS J	an to Jun, 2021
No.	Ref.	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). b) In ordinary soil.	122500.00	Cft		%o Cft	
2	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	18500.00	Cft		% Cft	
3	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- i) Ratio 1:4:8 i) Ratio 1:6:12	14250.00 7800.00	Cft Cft		% Cft % Cft	
4	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: 1.5: 3)	31800.00	Cft		Per Cft	
5	26/42	Spraying anti-termite liquid mixed with water in the ratio of 1:40	49000.00	Sft		% Sft	
6	7/4	Pacca brick work in foundation and plinth in:- Cement, sand mortar: Ratio 1:6	8200.00	Cft		% Cft	

7	6/33	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. 1.5" thick (40 mm)	1400.00	Sft	% Sft
8	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)	16000.00	Sft	% Sft
9	3/15 +3/17	Filling, watering and ramming earth under floors:- i) with surplus earth from foundation, etc. ii) with new earth excavated from outside,lead upto 1/4 mile	47000.00 174500.00	Cft Cft	%o Cft %o Cft
10	7/5	Pacca brick work in Cement, sand mortar:- Ratio 1:5 i) Ground Floor (7/5-i)	27000.00	Cft	% Cft
		ii) First Floor	26000.00	Cft	% Cft
		iii) Second Floor	800.00	Cft	% Cft
11	7/5	Pacca brick work in Cement, sand mortar:- Ratio 1:4 i) Ground Floor	5850.00	Cft	% Cft
		ii) First Floor	5600.00	Cft	% Cft
12	11/10	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. Ratio 1:3	73500.00	Sft	% Sft
13	11/9	Cement plaster 1:4 upto 20' (6.00 m) height:- i) ½" (13 mm) thick	140000.00	Sft	% Sft
		ii) 3/4" (20 mm) thick	87500.00	Sft	% Sft
14	11/28	Extra for lime, mud or cement plaster and pointing from 20' (6.00 m) and above for each additional 10' (3.00 m) height or part thereof.	135000.00	Sft	% Sft
15	6/9	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars Deformed Bar 60-Grade	290000.00	Kg	% Kg
16	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	33000.00	Cft	Per Cft
		ii) First Floor	28000.00	Cft	Per Cft
		iii) Second Floor	500.00		Per Cft
		iv) Type C (nominal mix1:2:4) Ground Floor	1000.00	Cft	Per Cft
		v) Type C (nominal mix1:2:4) First Floor	1000.00		Per Cft
17	7/30	Supplying and filling sand under floor; or plugging in	12000.00	Cft	% Cft
		wells			
18	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.	25500.00	Cft	% Cft
19	12/50	Providing and fixing $1\frac{1}{2}$ " (40mm) thick solid flush door shutter sterling or equivalent with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping $1\frac{1}{2}$ "x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect.	8150.00	Sft	Per Sft
20	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 2 mm thickness sections including the cost of ¼" (5 mm) thick imported tinted 'glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved 'standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge. (2mm thick)	850.00	Sft	Per 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 M/s Al-Cop or Pakistan 'Cables having frame size of 100 x 20 mm ($4"x^{3}/t"$) and 'leaf frame sections of 50 x 20 mm ($2"x^{3}/t"$), all of 1.6mm 'thickness including 5			
		mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by	500.00	Sft	Per Sft

		the Engineer in-charge.				
22	25/53	Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size100mmx 30mm using frame at bottom, at top and side leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gas ket using approved standard latches, wheel, stopper, brush chennel angle joint and hardware etc.complete in all respect 2 mm thick	10500.00	Sft	Per Sft	
23	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.	2000.00	Kg	% Kg	
24	13/31	Preparing surface & painting with 3 coats Emulsion paint complete in all respects	305000.00	Sft	% Sft	
25	13/5	Painting new surface: Preparing surface and painting of doors and windows any type (including edges):- 3 coats	18250.00	Sft	% Sft	
26	13/32	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: new surface 2 coats, upto 20' height	48000.00	Sft	% Sft	
27	13/39	Extra labour for painting, varnishing, etc. from 20' (6.10 m) height and above, for every additional 10' (3.05 m) height,or part thereof, requiring scaffolding.	32500.00	Sft	% Sft	
28	12/7	First class deodar wood wrought joinery in doors and windows, etc. panelled, or panelled or glazed, or fully glazed, fixed in position, including chowkat, holdfast,hinges, tower bolts, chocks, rubber stop, cleats/G.I. clamps, handles and chord with hooks, etc. complete '(excluding sliding bolt or lock):- 1½" thick (40 mm)	500.00	Sft	Per Sft	
29	10/15	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- 2" thick	8200.00	Sft	% Sft	
30	12/18	Providing and fixing sliding bolt to doors:- iron sliding bolt, 12" (300 mm) long	385.00	No	Each	
31	10/42	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size $1\frac{1}{2}$ "x3/8" (40x10mm)	5600.00	Rft	Per Rft	
32	10/43	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope complete in all respect. (50% Grey / 50% Coloured) 60 mm thick	17500.00	Sft	P/Sft	
33	6/24	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	300.00	Rft	Per Rft	
34	25/36	Providing and fixing collapsible gate made of 2"x2"x"¼" (50x50x6 mm) tee iron at top and bottom, channel iron verticals ¾"x¼"x14"x1/8" 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"x1/4"x1/8" (20x6x6x3 mm) channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled, complete in working order.	150.00	Sft	Per Sft	
35	10/18	Extra labour for each storey above ground, for mosaic,conglomerate, tiles, stone and wooden floor.	35500.00	Sft	% Sft	
36	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				
37	9/5	position complete in all respect 1.5" thick 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.	36500.00	Sft	% Sft % Sft	
38	9/15	Ky/sq.mbitumen coating sand binded. Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	16.00	No	Each	
30 39	26/37	Supplying and laying polythene sheet over D.P.C. under	10.00		Luon	
	20101	floors and on roofs, etc. 500 gauge (.005" thick)	73000.00	Sft	Per Sft	

1 1		1	1	I	1 1	I
40	6/12	Providing and fixing ornamental cement jali 2" (50 mm) thick (1: 2: 4), without steel.	200.00	Sft	Per Sft	
41	6/28	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.	600.00	Rft	Per Rft	
			800.00	RIL		
		Civil Work (Non-Schedule)			Total	
1	N.S	Providing, Fabricating and fixing 16 SWG M.S sheet hollow pressed Jamb frame (Factory primme) for door welded with MS flat size 10"x1"x1/8", hold fast i/c welding/screwing 4" long iron hinges, filling concrete for the jamb frame and embedding hold fast in the adjointing walls with 1:2:4 concrete, enamel painting etc. complete in all respects as show on the drawing and/ or as directed by the engineer, in conformance with following size i) 10"x2-1/2"	11875.00	Sft	Per Sft	
		ii) 6"x2-1/2"	2500.00	Sft	Per Sft	
2	N.S	Providing & Fixing Fair Face Brick Guttka 9"x3"x2.25" (straight or on edges) joint in 1:3 cement surkhi over 3/4" thick (AVG) 1:4 C/S base mortor on wall including laying ornamental bricks in approved pattern, scaffolding & during at any height, complete in all respect as shown on the drawing or as directed by the engineer incharge.	36500.00	Sft	Per Sft	
3	N.S	Providing & Laying pre-polished granite marble slab 3/4" thick of aproved quality colour, shade & texture for stair treads set over 3/4" thick 1:3 cement sand mortor in i/c rendering off 2 Nos non-skirdding grooves (3/4" wide & 1/4" deep) in each steps, rounding off front edges, complete in all respects as shown in the drawing and or as directed by the engineer incharge	2625.00	Sft	Per Sft	
		as directed by the engineer incharge				
4	N.S	Providing and laying Floor Tile 24"x24" Granite with dry/wet/venied application, DWV series Polished (Dark color) class SB including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineering inch.	73500.00	Sft	Per Sft	
5	N.S	Providing and laying Dado Tile 24"x4" Granite with dry/wet/venied application, DWV series Polished (Dark color) class SB including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineering inch.	8500.00	Sft	Per Sft	
6	N.S	Providing and laying Floor Tile 12"x18" SP Series on matching color base (Glossy) Dark Color Rectified SB) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineer incharge (for Toilet Block)	14250.00	Sft	Per Sft	
7	N.S	Providing and laying Dado Tile 12"x18" SP Series on matching color base (Glossy) Dark Color Rectified SB) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineer incharge (for Toilet Block)	32340.00	Sft	Per Sft	
8	N.S	Providing & Fixing marble 3/4" thick Buticina fency 12"X12" with floating coat of cement over a bed of 3/4" thick cement sand mortor 1:2 over 1" thick PCC 1:2:4 Gray cement, including colour pigment to match with the colour of marble tiles laid with cement sand mortor 1:2 rubbing and chemical Polishing, as approved by Engineering Incharge	1500.00	Sft	Per Sft	
9	N.S	M.S Steel Grill for windows comprising of 1/2"x1/2" square bar @ 4" c/c with 1.25"x1.25"x1/8" MS box angle iron for frame including painting 3 coats complete in all respect as shown on the drawings, specification and/ or as directed by the Engineer incharge	10850.00	Kg	Per Kg	
10	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	2950.00	Sft	Per Sft	
11	N.S	Providing and fixing 3/4" thick PVC Board shutter with one side leminate & 3/4" x 3/4" PVC beading over wardrobe frame of 3"x1.5" M.S Box pipe 18 SWG including catchers, lock, CP hanger rod with hooks, hydrulic hinges, on beading complete in all respects including	14650.00	Sft	Per Sft	
12	N.S	Putti filling for emulsion paint including rubbing and primary coat complete in all respects as approved by the Engineer Incharge.	305000.00	Sft	Per Sft	

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13	N.S	Providing & Laying pre-polished China verona marble				
		slab 1" thick rendered with bevelled edges on counter trop set over 1/2" thick 1:3 cement sand mortor and expose				
		joint fill with matching colour grout of wihite cement and				
		colour pigment complete in all respects as shown in the	500.00	Sft	Per Sft	
		drawing and or as directed by the engineer incharge				
14	N.S	Providing & Fixing Cabnet consisting of lamination board 3/4" thick for leaves, kail wood frame 2.50" x 1", Gola for				
		'leaf 3/4" x 3/4" including siprit polish for gola complete in all				
		respects as per design, drawing & patern as approved by the				
		engineer incharge (Down portion)				
		Floor Mounted Cabinets (Shutters only)	475.00	Sft	Per Sft	
15	N.S	Providing & Fixing Cabnet upper portion consisting of				
10	N.0	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 &				
		patern as approved by the Engineer Incharge	050.00			
		Wall Hanging Cabinets	350.00	Sft	Per Sft	
16	N.S	Providing & Fixing Hydraulic door closer including all				
		hardware fitting best quality complete in all respect as				
		approved by Engineer Incharge.	25.00	No	Each	
47	NO					
17	N.S	Providing and fixing ornamental partal wooden architrave 3"x1/2" (75mmx12mm) tapered to 1/4" (6mm) all along				
		the door frame complete in all respect as approved by the	3850.00	Sft	Per Sft	
		Engineer Incharge.				
18	N.S	2'-9" high stair railing comprising of 2-1/2" dia 16 gauge S.S pipe hand rail fixed with same dia pipe blusters as				
		specified distance fixed at top of steps with expension				
		bolts, 3 Nos of 16 gauge 1/2" dia S.S pipes horizontally	500.00	Rft	Per Rft	
		fixed with blusters compelte in all respects				
10	NO	Deviding and fining O feel door consisting of 40 percent M.O.				
19	N.S	Providing and fixing Steel door consisting of 16 gauge M.S sheet welded with M.S "L" section, 1-1/4" x 1-1/4" x 1/8" M.S				
		"L" section welded with M.S Sheet, hinged with Chowkat, i/c				
		locking arrangement, handles, hinges etc. duly enamel				
		painted complete in all respects as per drawings and				
		specifications and as approved by the Engineer in charge.	150.00	Sft	Per Sft	
20	N.S	Providing, applying and filling expansion joint with 2"x ¾" thick				
		elastomeric sealant (Poly-Sulphide) of approved manufacture				
		over backing rod complete in all respect according to				
		manufactures recommendations and to the entire	000.00	54		
		satisfaction of the engineer incharge	300.00	Rft	Per Rft	
21	N.S	Providing and fixing of False Ceiling consisting of lamenated				
		Gypsum Board (one side laminated) of size 600 mm x 600				
		mm x 10 mm approx over aluminium Tee's 1"x 1"size at				
		2'-0"x2-0" center to center longituidInally and transversally & alminium angle of size 1" x 1" at corners/ ends, including all				
		accessries such as steel hanging wire, hooks, screws, nails,				
		rowel plugs, Cross Joints etc. complete in all respect, and as				
		approved by the Engineer Incharge.	5000.00	Sft	Per Sft	
22	N.S	Providing & Fixing S.S pipe railing 2' high (For Gallery)				
		comprising of 2.5" dia 16 SWG in corridor openings fixed with same dia pipe bluster at same distance with 2 No. 16				
		SWG 1/2" dia S.S pipe horizontally with accessories & fixing				
		complete in all respect & as approved by the Engineer Incharge	2250.00	Rft	Per Rft	
23	N.S	Providing and laying Floor Tile 24"x24" with dry/wet/ venied application, Salt'Pepper (SPM-110) Dark Polished SB				
		including 05% Wastage laid in cement with pigment on a				
		bed of 3/4" thick cement sand mortar 1:2, complete in all				
		respects as approved by Engineering incharge.	100.00	Sft	Per Sft	
24	NO	Providing and Joying Dada Tila 24"44" with devices				
24	N.S	Providing and laying Dado Tile 24"x4" with dry/wet/ venied application, Salt'Pepper (SPM-110) Dark Polished SB				
		including 05% Wastage laid in cement with pigment on a				
		bed of 3/4" thick cement sand mortar 1:2, complete in all				
		respects as approved by Engineering incharge.	100.00	Sft	Per Sft	
					Total	
		Plumbing work				
1	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.	7000.00	Cft	%o Cft	
				Oit		
2	3/42	Earthwork excavation in open cutting for sewers & 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 upto: i) 0 to 7 ft	20000.00	Cft	%oCft	
3	19/43	Providing & Fixing Brass gas cock 15mm 1/2" dia	20.00	No	Each	
4	23/41	Making connection for new watersupply lines with				
		the running main, including excavation of trench and				
					· · ·	

1 1		refilling, complete, but excluding cost of pipe and	1	ĺ		
		specials, etc. i) upto 6" i/d (150 mm)	1.00	Con.	P/Con	
		ii) upto 8" i/d (200 mm)	2.00	Con.	P/Con	
5	19/19	Providing and fixing looking glass 55x40 cm (22"x16") size, and 5 mm thick, first quality.	15.00	No	Each	
6	23/22	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. Light Quality a) $\frac{3}{4}$ " i/d (20 mm)	850.00	Rft	P/Rft	
		b) 1" i/d (25 mm)	850.00	Rft	P/Rft	
			450.00	Rft	P/Rft	
_	00/10	c) 1½" i/d (40 mm)	450.00	RIL		
7	23/42	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) i) 3" dia (90 mm)	650.00	Rft	P/Rft	
8	19/7	Providing and fixing stainless steel sink with drain board, size				
		120x60 cm (48"x24") including bracket set, waste pipe and waste coupling.	5.00	No	Each	
9	21/1	Providing and laying R.C.C. pipe, moulded with cement concrete 1:11/2:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing the second second second second second second second second second testing the second se	600.00	D#	D/D#	
		testing, etc., complete. 225 mm (9") i/d	800.00	Rft	P/Rft	
		Plumbing work (Non-Schedule)			Total	
1	N.S	Providing, fixing, cutting, jointing & testing uPVC drainage pipes of approved quality, i/c uPVC drainage fitting with soil vent cement jointing, " Type-B" or approved equal, rates i/c cost of clamping to walls and ceiling, hangers supports, cutting through wall & providing sleeves through concrete slab for pipe line & pipe fitting of following dia meters i) 4" i/d ii) 6" i/d	3000.00 3000.00	Rft Rft	Per Rft Per Rft	
2	N.S	Providing, fixing, jointing and testing polypropylene Random (PPR) pipes of approved quality, for cold water as per DIN 8077-8078, PN-20 for pipes and DIN 16962, PN-25 for fittings (polyfusion welded joints) inside building including fittings and specials (sockets, tees, elbows, bends, crosses, reducers, adaptor, plugs and union etc) recessed in walls or suspended form roof slab or run in chases including pipe hangers, supports, cutting and making good the chases and hole complete in all respects.				
		i) 25mm o.d	2000.00	Rft	Per Rft	
		ii) 32mm o.d	4750.00	Rft	Per Rft	
		iii) 40mm o.d	2500.00	Rft	Per Rft	
		iv) 50mm o.d	750.00	Rft	Per Rft	
3	N.S	Providing & Fixing uPVC P-trap 4" dia of approved quality	150.00	No	Each	
4	N.S	Construction of collection chamber without grating complete in all respcts as per drawing &/or as directed by the engineer	10.00	No	Each	
5	N.S	Providing & Fixing grating at site with angle iron frame 1.5"x1.5"x1/4" and 1" square bars @ 1" c/c compele in all respects according to the drawing and specifications as per direction by the engineer incharge.	10.00	No	Each	
6	N.S	Construction of square masnory manhole 2.50x2.50 ft. including cover & frame upto 5' depth	20.00	No	Each	
7	N.S	Providing and installing Brass Ball/ Handle valves of approved quality of following nominal dia, including jointing, fitting, painting, testing, complete in all respects to match with PPR/uPVC pipes of following diameters.				
		i) 25 mm O.D	12.00	No	Each	
		ii) 32 mm O.D	12.00	No	Each	
		iii) 40 mm O.D	12.00	No	Each	
		iv) 50 mm O.D	2.00	No	Each	
8	N.S	Supply and installation of Gas geysers of following capacity , including ball valves on inlet and outlet connections complete in all respects. 14 SWG tank, 55 gallon	8.00	No	Each	

9	N.S	Providing & Fixing Looking Glass 5-mm thick best quality, complete in all respect as per specifications and	000.00	0	
10	NG	drawings and as approved by the Engineer Incharge.	600.00	Sft	P/Sft
10	N.S	Providing & Fitting Steel floor jali best quality complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.	105.00	No	Each
11	N.S	Providing & Fixing Muslim shower (HD-30 Porta or equivalent company) with double bib cock (HDA-5270B Universal) & flexibe steel pipe complete unit i/c all accessries required at site complete in all respect as per specifications as approved by the Engineer incharge	25.00	No	Each
12	N.S	Providing and fixing Coloured Glazed Earthen ware water closet Europen type Couple set including Flush Tank fixed with comode, normal seat cover, sheet cover thimble, connection pipe Complete in all respect and approved by Engineering Incharge. (HD201 Porta or equivalent company)	25.00	No	Each
13	N.S	Providing and fitting Flushing cistern 3-Gallon capacity including Bracket set & Hockey pipe best quality complete in all respcts as approved by the engineer incharge (HD3T Porta or equivalent company)	50.00	No	Each
14	N.S	Providing and fitting glazed earthen ware water closet (WC) Orisa pattern, combined with foot rest best quality complete in all respcts as approved by the engineer incharge (HDD9 Porta or equivalent company)	50.00	No	Each
15	N.S	Providing and fitting glazed earthen ware Counter basin/Vanity (HD16 Porta or equivalent company) including waste pipe and waste coupling, etc. best quality complete in all respcts as approved by the engineer incharge	100.00	No	Each
16	N.S	Providing and fitting Chromium plated Single lever Basin Mixer complete in all respcts as approved by the engineer incharge (Porta HDA0501M or equivalent company)	100.00	No	Each
17	N.S	Providing and fitting Single Lever Bath Mixer (Porta HDA0563Y) or equvialent complete in all respects as approved by the engineer incharge	65.00	No	Each
18	N.S	Providing and fitting Top Shower 6" dia (Porta HDDP2172) or equvialent complete in all respects as approved by the engineer incharge	65.00	No	Each
19	N.S	Providing and fitting Wash Basin with Pedestal (Porta HD17) or equvialent complete in all respects as approved by the engineer incharge	20.00	No	Each
20	N.S	Providing and fitting S.S Grip Bar (Porta HD95 456mm) or equvialent complete in all respects as approved by the engineer incharge	4.00	No	Each
21	N.S	Providing and fitting Chromium Tee Stop Cock Porta HDJ817A or equvialent complete in all respects as approved by the engineer incharge	550.00	No	Each
1	0.1/0	Electrical Work (Schedule)			Total
1	24/6	Supply and erection PVC pipe for recessed wiring (main and sub-main) purpose, including bends, specials, etc. in floor, wall or trenches:- 50 mm i/d	4000.00	Dff	Per Rft
		80 mm i/d	2700.00	Rft	Per Rft
2	24/10-a	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:			
$\left - \right $		i) 7/1.63 mm (7/0.064")	3600.00	Rft	Per Rft
		ii) 7/0.74 mm (7/0.029")	1400.00	Rft	Per Rft
3	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	c(vi)	7/1.63 mm (7/0.064")	9000.00	Rft	Per Rft
ii	c(vii)	19/1.32 mm (19/0.052")	9000.00	Rft	Per Rft
4	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. complete in all respects	15000.00	C#	%o Cft
		complete in all respects.	15000.00	UTT	%0 Ctt
5	3/15-i	Filling, watering and ramming earth under floors:- with surplus earth from foundation, etc.	15000.00	Cft	%o Cft
6	7/23	Dry brick pitching	600.00		% Cft
0	1123		000.00		
					Total

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1	N.S	Electrical Work (Non-Schedule) Wiring of light or fan point from switch board to the point with 3-Nos of 1.5 mm ² (3/0.029") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I.		-		
		wire/trenches in 20mm (3/4") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	1700.00			
			1700.00	No	Each	
2	N.S	Circuit wiring from MCBs board to gang switch board/multi light plug with 3-Nos of 2.5 mm ² (7/0.029") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.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	2000.00	No	Each	
3	N.S	Wiring of light or fan from point to point with 3-Nos of 1.5 mm ² (3/0.029") single				
		core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 20mm (3/4") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge				
			270.00	No	Each	
4	N.S	Wiring of Multi/light plug from point to point with 3-Nos of 2.5 mm ² (7/0.029") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 20mm (%4") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge				
			200.00	No	Each	
5	N.S	Circuit wiring from MCBs board to Power Plug with 3-Nos of 6 mm ² (7/0.044") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/C.I pipe/wooden strip batten/wooden casing an capping/C.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				
			200.00	No	Each	
6	N.S	Providing & laying of PVC/PVC 2-Core flexible 23/0.0076" copper conductor cable i/c any accessories required at site. Complete in all respect as directed and		<u> </u>		
		approved by the Engineer Incharge (KM, Eagle or Equivalent)	30.00	М	Per M	
7	N.S	Providing & laying of PVC/PVC 3-Core flexible 40/0.0076" copper conductor cable				
		i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (KM, Eagle or Equivalent)	30.00	м	Per M	
8	N.S	Supply & installation of LED 17W Down Light (6" Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by				
		the Engineer Incharge (Philips Meson or Equivalent)	350.00	No	Each	
9	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)	850.00	No	Each	
10	N.S	Supply & installation of Wall Bracket Fan 18" (99.99% Copper) i/c any accessories				
10	11.0	(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)	4.00	No	Each	
11	N.S	Supply & installation of Metal Body Wall Bracket Fan 24" (99.99% Copper) i/c any				
	N.5	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)	3.00	No	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	370.00	No	Each	
13	N.S	Supply & installation of Metal body Exhaust fan 20" (99.99% Copper) with metal				
		mounting frame i/c any accessories (i.e. screw. Rawl plug/rawl bolt etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Tamoor, Indus, Pakfan or Equivalent)				
			40.00	No	Each	
14	N.S	Supply & installation of PVC Exhaust fan 12" (99.99% Copper) <i>i/c</i> any accessories (i.e. screw. Rawl plug or steel nail, etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (GFC, Indus, Pakfan or Equivalent)	12.00	No	Each	
15	N.S	Supply & installation of Universal 3-Pole Socket with 13A Switch with plastic back				
		box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	820.00	No	Each	
16	N.S	Supply & installation of a Power plug 15A with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by				
		the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	190.00	No	Each	
17	N.S	Supply & installation of a Fan Dimmer 300W with plastic back box 3"x 3" i/c any	-	_		
	-	accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	370.00	No	Each	
18	N.S	Supply & installation of a Four Single Pole Switch Plate with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and				
		approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	28.00	No	Each	
19	N.S	Supply & installation of a Six Single Pole Switch Plate with plastic back box 3"x 6"				
		i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	15 00	NI-	Fach	
L		l l	15.00	IN0	Each	

					1	
20	N.S	Supply & installation of a Eight Single Pole Switch Plate with plastic back box 3"x				
20	N.5	6" i/c any accessories required at site. Complete in all respect as directed and				
		approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)				
			240.00	No	Each	
		Overska Alizatella i se of a Esse Olizate Data Ovitek A Tess A Dia Overlat Distanci ili				
21	N.S	Supply & installation of a Four Single Pole Switch & Two 2-Pin Socket Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect				
		as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or				
		Equivalent)	8.00	No	Each	
22	N.S	Supply, installation, connection & commissioning of distribution boards, (Sub Main DB-N), Open 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 80 Amps T-p (15KA) 1.00 No,				
		Distribution Miniature Circuit Breaker of 10/20 Amps S-p (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 Hitachi, Schneider Electric, Legrand or equivalent).	15.00	No		
			15.00	NU		
23	N.S	Supply, installation, connection & commissioning of distribution boards, (Sub Main				
		DB-E), Open 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 50 Amps T-p (10KA) 1.00 No,				
		Distribution Miniature Circuit Breaker of 10/16 Amps S-p (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 Hitachi, Schneider Electric, Legrand or equivalent).				
			15.00	No	Each	
24	N.S	Supply, installation, connection & commissioning of 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				
		Molded Case Circuit Breaker 1000 Amps T-p (36KA) 1.00 No, For DB-N (Main				
		Molded Case Circuit Breaker 630 Amps T-p (36KA) 1.00 No and distribution				
		Molded Case Circuit Breaker 80 Amps T-p (15KA) 21.00 Nos) & for DB-E (Main Molded Case Circuit Breaker 400 Amps T-p (36KA) 1.00 No and distribution				
		Molded Case Circuit Breaker 50 Amps T-p (15KA) 21.00 Nos) respectively, Digital				
		Volt, Selector switches, LED Phase lights, Copper bus bars, Earthing bar, Neutral				
		bar and any accessories required at site. Complete in all respects as approved by the engineer incharge. (for MCCB General Electric, Schneider Electric & Legrand).				
			1.00	No	Each	
25	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) and charcoal around copper strip I/c connecting with Electric machine. Complete in all respects as approved and as directed by the				
		engineer incharge.				
			3.00	No	Each	
20	NO	Supply & installation of Wall Light with 3 Watt LED Blub (Philips) (220V~, 6500K)				
26	N.S	i/c any accessories required at site. Complete in all respect as directed and				
		approved by the Engineer Incharge.	130.00	No	Each	
27	N.S	Supply & installation of LED 2'x 2' 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 36S/865 PSU W60L60 GM G2 or				
		Equivalent)	200.00	No	Each	
\square						
28	N.S	Supply & installation of 2' x 2' False Ceiling Fan 16" 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)				
			90.00	No	Each	
						<u> </u>
29	N.S	Providing & laying of 240 mm ² 4-Core Copper Conductor PVC/PVC/steel wire armoured/PVC (Armoured) cable i/c any accessories required at site. Complete in				
		all respect as directed and approved by the Engineer Incharge (Newage, Pakistan,				
		Copper Gate, Fast or Equivalent)	100.00	М	Per M	
		Cumple 9 installation of DVO For Descuttle land has 1				<u> </u>
30	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)	370.00	No	Each	
	· · · · · · · · · · · · · · · · · · ·					
31	N.S	Horizontal boring 4" dia underneath roads, walking path & ramps of houses for				
		crossing of Electric power cables, PVC pipes or Water lines. Complete in all respects as approved and as directed by the engineer incharge.				
			100.00	Rft	Per Rft	
I T					Total	

		External Work (Guard Hut, Visitor Room, Tuck Shop & Boundary Wall) 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.	6000.00	Cft	%o Cft	
2	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	200.00	Cft	% Cft	
3	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:-	050.00			
		i) Ratio 1:4:8	350.00	Cft	% Cft	

1 1) Rubin 16.12 3590.00 CR % CR 4 8-6 Reprocess consert concrete in site of ortig start of per disculation, base site of orbit methods in Stop 10, addition on Start 16, at fractase in discher and other disculation increts 2. 1 / 100 350.00 CR Per CR 5 2542 Spanying mith-terming under the site of the start of the discher in the orbit is for the start of the discher in the indice of 1.1.0 900.00 SR % CR 6 7.4 Pacca brick work in fourification and piral in: SS90.00 CR % SR 7 6.33 Providing and syng gramp prote course of carrier of the start of the discher in the orbit of the start in the orbit of th			1	1	1	I I
base table of column and votating value, etc and other structural amembers of the hort horts more interval tables of treating form work (k. hortzential structuring) association of the structure of the structure of the structure structure of the structure of the structure of the structure structure of the structure of the structure of the structure structure of the structure of the structure of the structure structure of the structure of the structure of the structure structure of the structure of the structure of the structure structure of the structure of the structure of the structure structure of the structure of the structure of the structure structure of the structure of the structure of the structure polythere sheet structure of the structure of the structure polythere sheet structure of the structure of the structure structure of the structure of the structure of the structure structure of the structure of the structure of the structure structure of the structure of the structure of the structure structure of the structure of the structure of the structure structure of the structure of the structure of the structure structure of the structure of the structure of the structure structure of the structure of the structure of the structure structure of the structure of the structure of the structure structure of the structure of the structure of the structure structure of the structure of the structure of the structure structure of the structure of the structure of the structure structure of the structure of the structure of the structure of the structure structure of the structure of the structure of the structure structure of the structure of the str			i) Ratio 1:6:12	3500.00	Cft	% Cft
a rate of 1.40 600.00 St 9, St a 74 Paces brok work in foundation and plinth in- Corrent, same from the rate 1.6 8500.00 Ch 7 8/33 Providing and plying damp proof corta of senant. billiomen oxings - with one coat and simple). Including billiomen and set 500 gauge. 1.5" Thick (40 mm) 1900.00 St 55 St 8 0.35 Providing and trying writed atamp poof course with corrent and plaster and billiomen coating - with one coat of billiomen and necessor of polytheme athem to 00 gauge: 5600.00 St % St 0 2415 Elling, watering and mumicip and mutdle floots - 10 (375) 1500.00 Cn % St 10 747 Pacea brock work in Corrent, same mortar- Patio 1.5 2500.00 Cn % Cn 10 775 Pacea brock work in Corrent, same mortar- Patio 1.5 2500.00 Cn % Cn 11 775 Pacea brock work in Corrent, same mortar- Patio 1.5 2500.00 Sn % St 12 11/10 Corrent tyster 38*(10 mm) thick under soffic of R.C.C. 1000.00 Sn % St 12 11/10 Corrent tyster 38*(10 mm) thick under soffic of R.C.C. 1000.00 Sn % St 13 11.9 Corrent tyster 38*(10 mm) thick under soffic of R.C.C. 1000.00 Sn % St	4 6	6/6	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)	350.00	Cft	Per Cft
e 7/4 Pacca brok work in foundation and plinth in- Carenet, and motin; Rato 15 8500.00 cn % Cit 7 6/3 Providing and laying damp proof course of carenet connets 12.4 (using cernet), and and shingle), leduding blummer coaling. with one could blumme and one coaling blummer coaling. with one could blumme and one coaling blummer and blumme coaling. with one could blumme and one coaling blummer and blumme coaling-with one coaling blummer and one coaling for them as the blumme coaling-with one coaling blummer and one coaling for them as the blum coaling with one fluore: -4317 1500.00 Sn % Sit 9 3/15 Tilling, watering and anying settle data pool carene with corrent and plateauting blummer coaling blummer	5 20	26/42		600.00	Sft	% Sft
7 643 Providing and laying damp proof course of cement concrete 13-4 (using cement, samd and shingle), including bulkmen coating, which one coat bulkmen and one coat of bulkmen and one coat of polythene sheet 500 gauge. 1900.00 St %, St 8 6435 Providing and laying vertical damp proof course with cement same faster and bulkmen coating - with one coat of bulkmen and one coat of polythene sheet 500 gauge. 500.00 St %, St 9 915 Filling, valaring and raiming earth under floors - *3177 1500.00 Ct % of the % of	6	7/4	Pacca brick work in foundation and plinth in:-			
ement sand plaster and blumen costing - with one cost of blumen and one cost of polythme sheet 500 guuge: Ratio 1:3 % " thick (20 mm) 500.00 St % St 9 9/15 Filling, watering and ramming earth under floors i) with anyols earth from foundation, etc. i) with anyols earth from outside.lead upto 14 mile 3000.00 CR % or CR 10 7/5 Pacca brick work in Cernent, sand mortar: Ratio 1:5 i) Ground Floor (7/6-i) 2500.00 CR % or R 11 7/5 Pacca brick work in Cernent, sand mortar: Ratio 1:4 i) Ground Floor (7/6-i) 100.00 CR % or R 12 11/10 Cernent plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabe only, upto 20 floght. Ratio 1:3 i) Ground Floor 37500.00 SR % SR 13 11.0 Cernent plaster 1:4 upto 20 (0.00 m) height:- inciding outing, bending, lying in position. making jointe and fastening, unclading cost of handing water and labour challese for binding of state interforcement for cernent concrete, inciding outing, bending water and labour challese for binding of state interforcement is not all user and fastening, unclading cost of handing water and labour challese for binding of the interforcement is not status complete and inform status and in a status prove water and inform status and in a status prove status complete an information in statu and prove status complete an information in statu and prove status complete an information in status and	7 6	6/33	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	1900.00	Sft	% Sft
+3/17 i) with surplus earth from foundation, etc. 1500.00 CR %e CR ii) with new earth excavated from outside, lead upto 1/4 mile 3000.00 CR %e CR 10 7/5 Pacca brick work in Cement, sand motar: - Ratio 1:5 2500.00 CR %e CR 11 7/5 Pacca brick work in Cement, sand motar: - Ratio 1:4 100.00 CR %e CR 12 11/10 Cement plaster 3/8' (10 mm) thick under soffit of R.C.C. 1000.00 SR % SR 13 11/9 Cement plaster 3/8' (10 mm) thick under soffit of R.C.C. 1000.00 SR % SR 14 Gement plaster 1:4 upto 20' (8.00 m) height: 37500.00 SR % SR 14 6/9 Fabrication of mild steel reinforcement for cement concrete, including cutting, leving in position, making joins and fastenings, including cost of holding wire and labour charges for binding of steel reinforcement lalo in allow represents laid in situ or precast laid in softom precast laid in position, or presensed methors cast in situ, complete and other structural members laid in situ or precast laid in position, corpetstees demonser cast in situ, complete and other foor; or plugging in wells 400.00 CR 17 6/2 Burphyling and filing sand under foor; or plugging in wells 400.00 CR 18 12/50 Providing and filing sand under foor; or plugging in wells 200.00 Sr	8 6	6/35	cement sand plaster and bitumen coating:- with one coat of bitumen and one coat of polythene sheet 500 gauge:	500.00	Sft	% Sft
10 7/5 Pacca brick work in Cement, sand mortar: - Ratio 1:5 2500.00 CR 11 7/5 Pacca brick work in Cement, sand mortar: - Ratio 1:4 100.00 CA 12 11/10 Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. 1000.00 St 13 11/9 Cement plaster 14 upto 20" (6:00 m) height: - 100.00 St % St 14 0.5 '2 (13 mm) thick (119-b) 37500.00 St % St 14 0.9 Fabrication of mild stell reinforcement for cement concrete, including cuting, bending, laying in position, making joints and fastenings, including cut forcement for cement concrete, including cuting, bending, laying in position, making joints and fastenings, including cut of binding wire and labour charges for binding of stell reinforcement also includes temoval of rust from bars) deformed bars Fee of CR % Kg 15 6/6 Reinforcead cament concrete in roof stab, baams, columns lintels, girders and other structural members lad in situ or piecast laid in position, or prestnessed members cast in situ, complete in all respects Type B (nominal mit12-4) 550 CA Per Ctt 16 7/30 Supplying and filing sand under floor; or plugging in wells 400.00 Ct % Ctt 17 6/2 Dry rammed brick or stone ballast, 1%" to 2"(40 mm to 50 mm) gauge. 200.00 <				1500.00	Cft	%o Cft
11 Oround Floor (7/5-4) 2500.00 CR % CR 11 7/5 Pacce brick work in Cement, sand mortar:-Ratio 1:4 i) Ground Floor 100.00 CA % CR 12 11/10 Cement plaster 3/8" (10 mm) thick under sofit of R.C.C. roof slabs only, upto 20" height. Ratio 1:3 100.00 St % SR 13 11/9 Cement plaster 1.4 upto 20" (6.00 m) height:- i) 3/4" (20 mm) thick (119-b) 37500.00 SR % SR 14 6/9 Fabrication of mild steel reinforcement for cement concrete, including cuting, bending, slying in position, making joints and fastenings, including cost of binding wire and labour changes for binding of steel reinforcement for includes removal of rust from bars) deformed bars S000.00 SR % SR 15 6/6 Reinforced cement concrete in roof slab, beams, columns intels, 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 mit12-4) using harrow sund Ground Floor 550 CR % CR 16 7/30 Supplying and filing sand under floor; or plugging in wells 400.00 CR % CR 17 6/2 Dry rammed brick or stone ballast, 1½" b 2"(40 mm to 50 mm) gauge. 550 CR % CR 18 12/50 Providing and fixing 1½" (40mm) thick solid flush door shutter stelling or equivalent twi commercial by fight 11/5"3/30" 400mm x 100mm jaround shutter includin			ii) with new earth excavated from outside,lead upto 1/4 mile	3000.00	Cft	%o Cft
12 11/10 Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. Rato 1.3 1000.00 SR % SR 13 11/9 Cement plaster 1.4 upto 20' (6.0 m) height:- i) . ½" (13 mm) thick (11/9-b) 37500.00 SR % SR 14 6/9 Fabrication of mild steel reinforcement for cement concrete, including cutting, lending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of nut from bars) deformed bars Deformed Bar 60-Grade % Kg 15 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 pressessed members cast in situ, complete in all respects Type B (nominal mix1.2.4) using harrow sand Ground Floor 550 Cft 16 7/30 Supplying and filling sand under floor; or plugging in wells 400.00 Cft 18 12/50 Providing and fixing 1½" (40mm) thick solid flush door shutter sterling or equivalent with commercial ply (5 mm thick) on both sides double pressed and deodr wood lipping 11½"x30" (40mm x10mm) around shutter including chromium plated fitting, including rung and too R 200.00 St 19 25/53 Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved markafter having Frame of size 10mm x30mm using frame at botom, at top and side last frame sections 60mm x25mm at too A botom and size 45mm x25mm at conter and size 4	10	7/5		2500.00	Cft	% Cft
13 11/9 Cement plaster 1.4 upto 20' (6.00 m) height:- () X* (13 mm) thick (11/8-b) 37500.00 St % St 14 6/9 Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and rate-ings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) (adcimented bars Deformed Bar 60-Grade % Kg 15 6/6 Reinforced cement concrete in roof stab, beams, columns lintels, griders and other structural members laid in situ or preceast laid in position, or prestressed members cast in situ, complete in all respects Type B (nominal mix1:2:4) using harrow sand Ground Floor 550 Crt 16 7/30 Supplying and filling sand under floor; or plugging in wells 400.00 Crt % Cft 18 12/50 Providing and filling 11%" (40mm) thick solid flush door shutter sterling or equivalent with commercial ply (5 mm thick) on both sides & finger plate complete in all respect. 200.00 St Per Stt 19 25/63 Providing and filing all types of glazed aluminium windows of andized champagne colou partly fixed and parts silding using deuca- paragne colou partly fixed and parts silding trame of size 100mm 30mm using frame at botton, at top and size 45mm x36mm at top at both mores tof 60mm x3mm at tom k bothotim and size 45mm x3mm w	11 7	7/5		100.00	Cft	% Cft
13 11/8 Cement plaster 1:4 upto 20 (6.00 m) height:- () %* (13 mm) thick (11/9-b) 37500.00 St % St 14 6/9 Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars 6000.00 St % Kg 15 6/6 Reinforced cement concrete in roof slab, beams, columns lintels, griders 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 mix1:2:4) using harrow sand Ground Floor 550 Crt Per Crt 16 7/30 Supplying and filling sand under floor; or plugging in wells 400.00 Crt % Cft 17 6/2 Dry rammed brick or stone ballast, 1½* to 2"(40 mm to 50 mm) gauge. 400.00 St St 18 1250 Providing and fixing 1½* (40mm) thick solid flush door shutter stering or equivalent with commercial ply (5 mm thick) on bides double pressed and decad wood lipping 1½*%3/8* (40mm x 10mm) around shutter including chromium plated fitting, romoved manufacturer having Frame of size 100mm 30mm using frame at botton, at top and side leaf frame sections of flum sit side and party siding using detuces action of approved manufacturer having Frame of frame size 40mm x 13mm 2 fn fit guantinum jali, 5mm thick imported fitned giaes with ruber gas ket using approved standardware 200.00 St St	12 1 [.]	11/10		1000.00	Sft	% Sft
14 6/9 Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars 1500.00 Kg 15 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 mix1:2:4) using harrow sand Ground Floor 550 Crt Per Cft 16 7/30 Supplying and filling sand under floor; or plugging in wells 400.00 Cft % Cft 18 12/50 Providing and fxing 1½" (40mm) thick solid flush door shutter sterling or equivalent with commercial ply (5 mm thick) on both sides & dube pressed and decoding bing 11/5" (40mm) thick solid flush door shutter sterling or equivalent with commercial ply (5 mm thick) on both sides & finge plate complete in all respect. 200.00 St Per Sft 19 25/53 Providing and fixing all types of glazed aluminium windows of anodized champage colour partly fixed and party sliding using delive section of approved manufacturer having Frame of size100mmx 30mm using frame at botom, at top and side leaf frame size 43mm x 23mm at top & bottom and size 45mm x 23mm at top & bottom and size 45mm x 23mm at top & bottom and size 45mm x 23mm at top & bottom and size 45mm x 23mm at top & bottom and size 45mm x 13mm (r fine quality aluminum gli, 5mm thick inported timed glases with ruber gas with hubber gas ket using epiproved standard latches, wheel, stopper, brush chemel angle joint a	13 1	11/9		37500.00	Sft	% Sft
including outling, bending, laying in position, making joints and fasterings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars Deformed Bar 60-Grade 1500.00 Kg 15 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 mix1:2:4) using harrow sand Ground Floor 550 Cft Per Cft 16 7/30 Supplying and filling sand under floor; or plugging in wells 400.00 Cft % Cft 17 6/2 Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge. 400.00 Cft % Cft 18 12/50 Providing and fixing 1½" (40mm) thick solid flush door shutter sterling or equivalent with commercial ply (5 mm thick) on both sides double pressed and decdar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect. 200.00 Sft Per Sft 19 25/53 Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size100mm x 23mm at toe farem as to 45mm x 3 zomm at sides, Jail eff frame sez 45mm x 32mm it on farema to thotom, at top and side leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x25mm at center and size 45mm x 3 zomm at sides, Jail eff frame sez 45mm x 10 på bottom and size 45mm x			ii) 3/4" (20 mm) thick	6000.00	Sft	% Sft
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 mix1:2:4) using harrow sand Ground Floor550 CftPer Cft167730Supplying and filling sand under floor; or plugging in wells400.00 Cft% Cft176/2Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.400.00 Cft% Cft1812/50Providing and fixing 1½" (40mm) thick solid flush door shutter sterling or equivalent with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect.200.00 SftPer Sft1925/53Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size100mmx 30mm using frame at bottom, at top and side leaf frame seize103 mm x 23mm at top & bottom and size 45mm x 23mm at top & bottom and size 45mm x 23mm at top and side leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gas ket using approved standard latches, wheel, stopper, brush chennel angle joint and hardwareAudition	14 (6/9	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	1500.00	Kg	% Kg
16 7/30 Supplying and filling sand under floor; or plugging in wells 400.00 Cft 17 6/2 Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge. 400.00 Cft 18 12/50 Providing and fixing 1½" (40mm) thick solid flush door shutter sterling or equivalent with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect. 200.00 Sft 19 25/53 Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size100mm x 30mm using frame at bottom, at top and side leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gas ket using approved standard latches, wheel, stopper, brush chennel angle joint and hardware	15 (6/6	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 mix1:2:4)	550	05	Der Off
17 6/2 Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge. 400.00 Cft % Cft 18 12/50 Providing and fixing 1½" (40mm) thick solid flush door shutter sterling or equivalent with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect. 200.00 Sft Per Sft 19 25/53 Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size100mmx 30mm using frame at bottom, at top and side leaf frame size 45mm x 23mm at top & bottom and size 45mm x25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gas ket using approved standard latches, wheel, stopper, brush chennel angle joint and hardware 400.00 Cft	10 7	7/20				
 50 mm) gauge. 18 12/50 Providing and fixing 1½" (40mm) thick solid flush door shutter sterling or equivalent with commercial ply (5 mm thick) on both sides double pressed and decdar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect. 200.00 Sft Per Sft 19 25/53 Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size100mmx 30mm using frame at bottom, at top and side leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x 25mm at ides, Jali leaf frame size 43mm x 13mm <i>i/c</i> fine quality aluminum jali, 5mm thick imported tinted glass with rubber gas ket using approved standard latches, wheel, stopper, brush chennel angle joint and hardware 						
 shutter sterling or equivalent with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect. 200.00 Sft Per Sft Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size100mmx 30mm using frame at bottom, at top and side leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gas ket using approved standard latches, wheel, stopper, brush chennel angle joint and hardware 	17	0/2		400.00	Cit	76 GIL
of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size100mmx 30mm using frame at bottom, at top and side leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gas ket using approved standard latches, wheel, stopper, brush chennel angle joint and hardware	18 12	12/50	shutter sterling or equivalent with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick plate	200.00	Sft	Per Sft
	19 23	25/53	of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size100mmx 30mm using frame at bottom, at top and side leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gas ket using approved standard latches, wheel, stopper, brush chennel angle joint and hardware	250.00	Sft	Per Sft
20 25/10 Fabrication of heavy steel work, with angle, tees, flat iron +11 round iron and sheet iron for making trusses, girders, 'tanks, etc., including cutting, drilling, revitting, handling,			Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders,			
assembling and fixing, including erection in position. 500.00 Kg % Kg			assembling and fixing, including erection in position.		Kg	% Kg
21 13/31 Preparing surface & painting with 3 coats Emulsion paint 3000.00 Sft % Sft complete in all respects % % % Sft % Sft	21 13	13/31		3000.00	Sft	% Sft
22 13/5 Painting new surface: Preparing surface and painting of doors and windows any type (including edges):- 3 coats 200.00 Sft % Sft	22 1	13/5		200.00	Sft	% Sft

23	13/32	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	41000.00	Sft	% Sft
24	10/15	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- 2" thick	400.00	Sft	% Sft
25	12/18	Providing and fixing sliding bolt to doors:-	10.00	No	Each
26	10/42	iron sliding bolt, 12" (300 mm) long Providing and fixing marble strip of any shade for dividing			
		the mosaic flooring into panels Size 11/2"x3/8" (40x10mm)	400.00	Rft	Per Rft
27	7/7	Pacca brick work other than building upto 10ft. (3 m) height. cement, sand mortar:- 'Ratio 1:5	8000.00	Cft	% Cft
28	10/43	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope complete in all respect. (50% Grey / 50% Coloured) 60 mm thick	9500.00	Sft	P/Sft
		Civil Work (Non-Schedule)			Total
1	N.S	Providing, Fabricating and fixing 16 SWG M.S sheet hollow pressed Jamb frame (Factory primme) for door welded with MS flat size 10"x1"x1/8", hold fast i/c welding/screwing 4" long iron hinges, filling concrete for the jamb frame and embedding hold fast in the adjointing walls with 1:2:4 concrete, enamel painting etc. complete in all respects as show on the drawing and/ or as directed by the engineer, in conformance with following size i) 10"x2-1/2"	250.00	Sft	Per Sft
		ii) 6"x2-1/2"	55.00	Sft	Per Sft
2	N.S	Providing & Fixing Fair Face Brick Guttka 9"x3"x2.25" (straight or on edges) joint in 1:3 cement surkhi over 3/4" thick (AVG) 1:4 C/S base mortor on wall including laying ornamental bricks in approved pattern, scaffolding & during at any height, complete in all respect as shown on the drawing or as directed by the engineer incharge.	2000.00	Sft	Per Sft
3	N.S	Providing and laying Floor Tile 24"x24" Granite with dry/wet/venied application, DWV series Polished (Dark color) class SB including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineering inch.	950.00	Sft	Per Sft
4	N.S	Providing and laying Floor Tile 12"x18" SP Series on matching color base (Glossy) Dark Color Rectified SB) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineer incharge	60.00	Sft	Per Sft
5	N.S	Providing and laying Dado Tile 12"x18" SP Series on matching color base (Glossy) Dark Color Rectified SB) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineer incharge	250.00	Sft	Per Sft
6	N.S	Providing & Fixing marble 3/4" thick Buticina fency 12"X12" with floating coat of cement over a bed of 3/4" thick cement sand mortor 1:2 over 1" thick PCC 1:2:4 Gray cement, including colour pigment to match with the colour of marble tiles laid with cement sand mortor 1:2 rubbing and chemical Polishing, as approved by Engineering Incharge	30.00	Sft	Per Sft
7	N.S	M.S Steel Grill for windows comprising of 1/2"x1/2" square bar @ 4" c/c with 1.25"x1.25"x1/8" MS box angle iron for frame including painting 3 coats complete in all respect as shown on the drawings, specification and/ or as directed by the Engineer incharge	350.00	Kg	Per Kg
8	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	50.00	Sft	Per Sft
9	N.S	Putti filling for emulsion paint including rubbing and primary coat complete in all respects as approved by the Engineer Incharge.	3000.00	Sft	Per Sft
10	N.S	Providing and fixing ornamental partal wooden architrave 3"x1/2" (75mmx12mm) tapered to 1/4" (6mm) all along the door frame complete in all respect as approved by the Engineer Incharge.	200.00	Sft	Per Sft
11	N.S	Providing and fixing Razor cutt wire fencing double sharp four pointed razors @ 1- 1/4" c/c with 'U' shaped cladding over M.S wire making ring of 24" dia 3 Nos rings in one Rft			

: 0.66 Kg P/Rft fixed on wall with M.S angle iron post 5"x3/16" 2'-3" high + and 9" embeded in base of P.C.C "x9"x9"at every 4' apart i/c 2 Nos bars 3/8" dia welded tally with angle iron, i/c binding wire i/c painting posts nplete in all respects.	1200.00	Rft	Per Rft
ng and laying Floor Tile 24"x24" with /venied application, Salt'Pepper (SPM-110) Dark ed SB including 05% Wastage laid in cement with t on a bed of 3/4" thick cement sand mortar 1:2, te in all respects as approved by Engineering le.	50.00	Sft	Per Sft
ine week			Total
ing work tion of trenches in all kinds of soil, except 'rock, for water supply pipe lines upto 5 ft. (1.5 th from ground level, including trimming, dressing evelling the beds of trenches to correct grade ting pits for joints, etc	500.00	Cft	%o Cft
ork excavation in open cutting for sewers and les as shown in drawings including shuttering bering, dressing to correct section and ions according to templates and levels and ng surface water in all types of soil except gravel and rock upto: i) 0 to 7 ft	500.00	Cft	%oCft
ng and fixing looking glass 55x40 cm ") size, and 5 mm thick, first quality.	1.00	No	Each
ng, laying, cutting, jointing, testing and disinfecting eline in trenches, with socket joints, using G.I. pipes S. 1387-1967 complete in all respects, with specials ves. Light Quality			
d (20 mm) I (25 mm)	100.00 100.00	Rft Rft	P/Rft P/Rft
ng and fitting glazed earthen ware water closet an type, excluding seat and cover:- coloured	1.00	No	Each
ng and fixing, double seat and cover only. bakelite	1.00	No	Each
ng and fitting glazed earthen ware water closet, r type (Orisa pattern), combined with foot rest. d	3.00	No	Each
ng and fitting glazed earthen ware wash hand basin cm (22"x16") including bracket set, waste pipe and coupling, etc. i) coloured, with pedestal	3.00	No	Each
ng and fitting plastic made low down flushing cistern tre (3 gallons) capacity, including bracket set, copper tion, etc. complete. Coloured	3.00	No	Each
ng and fitting:- ic soap dish	3.00	No	Each
ic toilet paper holder	3.00	No	Each
tic towel rail	3.00	No	Each
tic shelf 60x13 cm (24"x5") with bracket and railing.	3.00	No	Each
ng and fixing chromium plated tee stop cock [½")	6.00	No	Each
ng and fixing chromium plated bib cock:- 1.5 cm ($\frac{1}{2}$ ")	3.00	No	Each
ng and fixing chromium plated shower rose:- cm (½"x4")	1.00	No	Each
ng and fixing, chromium plated mixing valve, for wash asin, sink or shower.	1.00	No	Each
ng and fitting "P" trap:- 10 cm (4") glazed.	3.00	No	Each
ing work (Non-Schedule) ng, fixing, cutting, jointing & testing uPVC drainage f approved quality, i/c uPVC drainage fitting with soil ment jointing, " Type-B" or approved equal, rates i/c clamping to walls and ceiling, hangers supports, through wall & providing sleeves through concrete pipe line & pipe fitting of following dia meters			Total
	50.00	Rft	Per Rft
ng, fixing, jointing and testing polypropylene Random	50.00	Rft	Per Rft
ng, fixing, jointing pipes of approved	g and testing polypropylene Random d quality, for cold water as per DIN ipes and DIN 16962, PN-25 for	g and testing polypropylene Random d quality, for cold water as per DIN	g and testing polypropylene Random d quality, for cold water as per DIN

		fittings (polyfusion welded joints) inside building including fittings and specials (sockets, tees, elbows, bends, crosses, reducers, adaptor, plugs and union etc) recessed in walls or suspended form roof slab or run in chases including pipe hangers, supports, cutting and making good				
		the chases and hole complete in all respects.				
		i) 25mm o.d	100.00	Rft	Per Rft	
		ii) 32mm o.d	150.00	Rft	Per Rft	
3	N.S	Providing & Fixing uPVC P-trap 4" dia of approved quality	3.00	No	Each	
4	N.S	Providing and installing Brass Ball/ Handle valves of approved quality of following nominal dia, including jointing, fitting, painting, testing, complete in all respects to match with PPR/uPVC pipes of following diameters. i) 25 mm O.D	1.00	No	Each	
		i) 32 mm O.D	1.00	No	Each	
5	N.S	Providing & Fitting Steel floor jali best quality complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.	3.00	No	Each	
		Electrical Work (Schedule)			Total	
1	24/6	Supply and erection PVC pipe for recessed wiring (main and sub-main) purpose, including bends, specials, etc. in floor, wall or trenches:-				
		50 mm i/d	200.00	Rft	Per Rft	
2	24/3	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials.				
		25 mm i/d	1750.00	Rft	Per Rft	
3	24/10-a	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) //1.63 mm (//0.064°) ii) 7/0.74 mm (7/0.029°)	700.00		Per Rft	
		iii) 7/1.12 mm (7/0.044*)	850.00 3700.00		Per Rft Per Rft	
4	24/13	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only): PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable:-				
	c(vi)	7/1.63 mm (7/0.064")				
i	0(11)		250.00	Rft	Per Rft	
5	3/44	Excavation of trenches in all kinds of soil, except cutting 'rock, for water supply pipe lines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, levelling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects.	15000.00	Cft	%o Cft	
6	3/15-i	Filling, watering and ramming earth under floors:-				
		with surplus earth from foundation, etc.	15000.00	Cft	%o Cft	
7	7/23	Dry brick pitching	600.00	Cft	% Cft	
		Electrical Work (Non-Schedule)			Total	
1	N.S	Wiring of light or fan point from switch board to the point with 3-Nos of 1.5 mm ² (3/0.029") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 20mm (3/4") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	30.00	No	Each	
2	N.S	Circuit wiring from MCBs board to gang switch board/multi light plug with 3-Nos of 2.5 mm ² (7/0.029") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.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	40.00			
			10.00	INO	Each	
3	N.S	Wiring of light or fan from point to point with 3-Nos of 1.5 mm ² (3/0.029") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 20mm (3/4") PVC pipe <i>i/c</i> any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	15.00	No	Each	
4	N.S	Wiring of Multi/light plug from point to point with 3-Nos of 2.5 mm ² (7/0.029") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.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	6.00	No	Each	
5	N.S	Circuit wiring from MCBs board to Power Plug with 3-Nos of 6 mm ² (7/0.044")				
5	11.0	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				
			5.00	No	Each	

6	N.S	Supply & installation of LED 17W Down Light (6" Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Meson or Equivalent)	8.00	No	Each
7	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)	12.00	No	Each
8	N.S	Supply & installation of Wall Bracket Fan 18" (99.99% Copper) i/c any accessories (i.e. mounting screws & etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Younis, Tamoor, Pakfan or Equivalent)	1.00	No	Each
9	N.S	Supply & installation of Metal Body Wall Bracket Fan 24" (99.99% Copper) i/c any accessories (i.e. widing of mounting holes and 4.00nos of rawl bolts ½" etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (SK mega or Equivalent)	1.00	No	Each
10	N.S	Supply & installation of Ceiling Fans, 56" sweep (As per "Pakistan Energy Lable" certified manufacturers). <i>i/c</i> any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	5.00	No	Each
11	N.S	Supply & installation of PVC Exhaust fan 12" (99.99% Copper) i/c any accessories (i.e. screw. Rawl plug or steel nail, etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (GFC, Indus, Pakfan or Equivalent)	5.00	No	Each
12	N.S	Supply & installation of Universal 3-Pole Socket with 13A Switch with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	10.00	No	Each
13	N.S	Supply & installation of a Power plug 15A with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	5.00	No	Each
14	N.S	Supply & installation of a Fan Dimmer 300W with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	5.00	No	Each
15	N.S	Supply & installation of a Four Single Pole Switch Plate with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	3.00	No	Each
16	N.S	Supply & installation of a Six Single Pole Switch Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	2.00	No	Each
17	N.S	Supply & installation of a Eight Single Pole Switch Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	5.00	No	Each
18	N.S	Supply & installation of a Four Single Pole Switch & Two 2-Pin Socket Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	2.00	No	Each
19	N.S	Supply, installation, connection & commissioning of distribution boards, (Sub Main DB-N), Open 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 80 Amps T-p (15KA) 1.00 No, Distribution Miniature Circuit Breaker of 10/20 Amps S-p (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 Hitachi, Schneider Electric, Legrand or equivalent).	1.00	No	
20	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) and charcoal around copper strip I/c connecting with Electric machine.	2.00	No	Each
21	N.S	Supply & installation of Wall Light with 3 Watt LED Blub (Philips) (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	12.00	No	Each
22	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)	5.00	No	Each
23	N.S	Supply & Installation & commissioning of 200 KVA (11 KV/415V) 3-phase, 50 Hz step down Pole mounted / enclosed type distribution Transformer having connection group, DY-11 oil immersed natural cooled with off load tap changer +2.1/2 % - 5% and 7.5% (as per WAPDA standard) i/c any other accessories required at site. Complete in all respects as approved by the Engineer incharge. (with complete purchase and tax documents) (PEL, Transfopower or Equivalent)	1.00	No	Each
	N.S	Supply and installation of Double pole Plate Farm for 200KVA Transformer			

25		Supply & installation of Die-Cast Aluminum LED Boundary Light 27W (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips, BRP210 LED 34 or Equivalent).	48.00	No	Each	
26	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	No	Each	
					Total	

The Islamia University of Bahawalpur Construction of new Approach Road No.2 including Round-About at Baghdad-ul-Jadeed Campus

0	MDC	Civil work	o		D.I		Jan to Jun, 20
	MRS	Description	Quantity		Rate	Unit	Amount
1	3/5-iii	Earthowrk in ordinary soil for embankments including					
	iii+	ploughing and mixing with blade grade or disc harrow or					
	17/a	other suitable equipment, and compaction by mechanical					
		means at optimum moisture content and dressing to					
		designed section, complete 90% maximum modified					
		AASHO dry density.					
		i) Lead upto 100 ft.	400000.00	Cft		%o Cft	
		ii) Lead upto 1/4 mile	500000.00	Cft		%o Cft	
2	3/2	Earthwork excavation in ashes, sand and soft soil or silt					
		clearance, undressed lead upto 50 ft (15 metre).	200000.00	Cft		%o Cft	
			200000.00	On		700 Cit	
~	0/05						
3	3/25	Compaction of earthwork with power road roller including					
		ploughing, mixing, moistening earth to optimum moisture					
		content in layers, etc. complete:					
		90% maximum modified AASHO dry density.	200000.00	Cft		%o Cft	
4	18/19	Providing and laying dry brick pavement/soling in streets					
-	10/13						
		or roads, etc. sand grounted, laid in proper camber,					
		including preparation, watering, compaction of bed to					
		proper camber, and sand cushion.	90000.00	Cft		% Cft	
5	18/5	Providing and laying road edging of 3" (75 mm) wide and					
		9" (225 mm) deep brick on end, complete in all respects.	25000.00	Rft		Per Rft	
			2000.00	ixit			
	10/1						
6	18/4	Providing and laying base course of crushed stone					
		aggregate of approved quality and grade, and supply and					
		spreading of stone screening, including placing, mixing,					
		spreading and compaction of base course material to					
		required depth, camber and grade to achieve 100%	400000.00				
		maximum modified AASHO dry density, i/c carriage of	130000.00	Cft		% Cft	
		all materials to site of work.					
7	18/10	Providing & Laying plant premixed bituminous including					
	iv	compaction and finishing to required grade and density,					
			205000.00	04		o/ 0/	
		4.50% bitumen 2" thick	265000.00	Sft		% Sft	
8	18/6	Providing and laying bituminous priming coat, using 10					
		'lbs. kerosene oil and 10 lbs. binder per 100 Sft. or 0.5 Kg					
		kerosene and 0.5 Kg binder per square metre.	265000.00	Sft		% Sft	
				_		,	
9	10/43	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of					
3	10/40	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					
			70000.00	Sft		P/Sft	
			10000.00	Oit		F/SIL	
10		Operation finishing including placing approaching finishing and evolution					
10	6/5-f	Cement concrete plain including placing, compacting, finishing and curing					
		complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	3000.00	Cft		% Cft	
11	7/5	Pacca brick work in foundation & plinth with	0000.00	Oit		% CIL	
11	110		45000				
		cement, sand mortar:- Ratio 1:6	15800.00	Cft		% Cft	
12	11/9	Cement plaster 1:4 upto 20' (6.00 m) height:-					
		i) ½" (13 mm) thick	25000.00	Sft		% Sft	
	6/3	Cement concrete brick or stone ballast $1\frac{1}{2}$ " to 2" (40mm					
13	0,0						
13		•					1
13		to 50 mm) gauge, in foundation and plinth:-	20000.00	~~			
13		•	30000.00	Cft		% Cft	
13		to 50 mm) gauge, in foundation and plinth:- Ratio 1:6:12	30000.00	Cft		% Cft Total	
		to 50 mm) gauge, in foundation and plinth:-	30000.00	Cft			
13	N.S	to 50 mm) gauge, in foundation and plinth:- Ratio 1:6:12	30000.00	Cft			
	N.S	to 50 mm) gauge, in foundation and plinth:- Ratio 1:6:12 Civil Work (Non-Schedule)	30000.00	Cft			
	N.S	to 50 mm) gauge, in foundation and plinth:- Ratio 1:6:12 Civil Work (Non-Schedule) Providing & Fixing Pre-Cast Kerb stone size 12"x14"x6"	30000.00	Cft			
	N.S	to 50 mm) gauge, in foundation and plinth:- Ratio 1:6:12 Civil Work (Non-Schedule) Providing & Fixing Pre-Cast Kerb stone size 12"x14"x6" (300mmx350mmx150mm) and duly embedded on a bed of PCC 1:6:12 (4" thick), PCC 1:2:4 for hanuching, laid	30000.00	Cft			
	N.S	to 50 mm) gauge, in foundation and plinth:- Ratio 1:6:12 Civil Work (Non-Schedule) Providing & Fixing Pre-Cast Kerb stone size 12"x14"x6" (300mmx350mmx150mm) and duly embedded on a bed of PCC 1:6:12 (4" thick), PCC 1:2:4 for hanuching, laid with cement sand mortor 1:3, 3/4" thick i/c painting of 3	30000.00	Cft			
	N.S	to 50 mm) gauge, in foundation and plinth:- Ratio 1:6:12 Civil Work (Non-Schedule) Providing & Fixing Pre-Cast Kerb stone size 12"x14"x6" (300mmx350mmx150mm) and duly embedded on a bed of PCC 1:6:12 (4" thick), PCC 1:2:4 for hanuching, laid with cement sand mortor 1:3, 3/4" thick i/c painting of 3 coats complete in all respects as per design & as	30000.00	Cft			
	N.S	to 50 mm) gauge, in foundation and plinth:- Ratio 1:6:12 Civil Work (Non-Schedule) Providing & Fixing Pre-Cast Kerb stone size 12"x14"x6" (300mmx350mmx150mm) and duly embedded on a bed of PCC 1:6:12 (4" thick), PCC 1:2:4 for hanuching, laid with cement sand mortor 1:3, 3/4" thick i/c painting of 3 coats complete in all respects as per design & as approved by the engineer incharge made (Izhar/Banu				Total	
	N.S	to 50 mm) gauge, in foundation and plinth:- Ratio 1:6:12 Civil Work (Non-Schedule) Providing & Fixing Pre-Cast Kerb stone size 12"x14"x6" (300mmx350mmx150mm) and duly embedded on a bed of PCC 1:6:12 (4" thick), PCC 1:2:4 for hanuching, laid with cement sand mortor 1:3, 3/4" thick i/c painting of 3 coats complete in all respects as per design & as	30000.00	Cft		Total Per Rft	
1		to 50 mm) gauge, in foundation and plinth:- Ratio 1:6:12 Civil Work (Non-Schedule) Providing & Fixing Pre-Cast Kerb stone size 12"x14"x6" (300mmx350mmx150mm) and duly embedded on a bed of PCC 1:6:12 (4" thick), PCC 1:2:4 for hanuching, laid with cement sand mortor 1:3, 3/4" thick i/c painting of 3 coats complete in all respects as per design & as approved by the engineer incharge made (Izhar/Banu Mukhtar/ Mukhtar Sons)				Total	
1 fons		to 50 mm) gauge, in foundation and plinth:- Ratio 1:6:12 Civil Work (Non-Schedule) Providing & Fixing Pre-Cast Kerb stone size 12"x14"x6" (300mmx350mmx150mm) and duly embedded on a bed of PCC 1:6:12 (4" thick), PCC 1:2:4 for hanuching, laid with cement sand mortor 1:3, 3/4" thick i/c painting of 3 coats complete in all respects as per design & as approved by the engineer incharge made (Izhar/Banu Mukhtar/ Mukhtar Sons) A Nos Pipe Culverts 40' wide	28000.00			Total Per Rft Total	
1 5 0005	truction of	to 50 mm) gauge, in foundation and plinth:- Ratio 1:6:12 Civil Work (Non-Schedule) Providing & Fixing Pre-Cast Kerb stone size 12"x14"x6" (300mmx350mmx150mm) and duly embedded on a bed of PCC 1:6:12 (4" thick), PCC 1:2:4 for hanuching, laid with cement sand mortor 1:3, 3/4" thick i/c painting of 3 coats complete in all respects as per design & as approved by the engineer incharge made (Izhar/Banu Mukhtar/ Mukhtar Sons) A Nos Pipe Culverts 40' wide Description			Rate	Total Per Rft	Amount
1 0005		to 50 mm) gauge, in foundation and plinth:- Ratio 1:6:12 Civil Work (Non-Schedule) Providing & Fixing Pre-Cast Kerb stone size 12"x14"x6" (300mmx350mmx150mm) and duly embedded on a bed of PCC 1:6:12 (4" thick), PCC 1:2:4 for hanuching, laid with cement sand mortor 1:3, 3/4" thick i/c painting of 3 coats complete in all respects as per design & as approved by the engineer incharge made (Izhar/Banu Mukhtar/ Mukhtar Sons) A Nos Pipe Culverts 40' wide Description Excavation in foundation of building, bridges and other	28000.00		Rate	Total Per Rft Total	Amount
1	truction of	to 50 mm) gauge, in foundation and plinth:- Ratio 1:6:12 Civil Work (Non-Schedule) Providing & Fixing Pre-Cast Kerb stone size 12"x14"x6" (300mmx350mmx150mm) and duly embedded on a bed of PCC 1:6:12 (4" thick), PCC 1:2:4 for hanuching, laid with cement sand mortor 1:3, 3/4" thick i/c painting of 3 coats complete in all respects as per design & as approved by the engineer incharge made (Izhar/Banu Mukhtar/ Mukhtar Sons) A Nos Pipe Culverts 40' wide Description	28000.00		Rate	Total Per Rft Total	Amount
1 00005	truction of	to 50 mm) gauge, in foundation and plinth:- Ratio 1:6:12 Civil Work (Non-Schedule) Providing & Fixing Pre-Cast Kerb stone size 12"x14"x6" (300mmx350mmx150mm) and duly embedded on a bed of PCC 1:6:12 (4" thick), PCC 1:2:4 for hanuching, laid with cement sand mortor 1:3, 3/4" thick i/c painting of 3 coats complete in all respects as per design & as approved by the engineer incharge made (Izhar/Banu Mukhtar/ Mukhtar Sons) A Nos Pipe Culverts 40' wide Description Excavation in foundation of building, bridges and other structures including deg-belling, dressing, refilling around	28000.00		Rate	Total Per Rft Total	Amount
1 00005	truction of	to 50 mm) gauge, in foundation and plinth:- Ratio 1:6:12 Civil Work (Non-Schedule) Providing & Fixing Pre-Cast Kerb stone size 12"x14"x6" (300mmx350mmx150mm) and duly embedded on a bed of PCC 1:6:12 (4" thick), PCC 1:2:4 for hanuching, laid with cement sand mortor 1:3, 3/4" thick i/c painting of 3 coats complete in all respects as per design & as approved by the engineer incharge made (Izhar/Banu Mukhtar/ Mukhtar Sons) A Nos Pipe Culverts 40' wide Excavation in foundation of building, bridges and other structures including deg-belling, dressing, refilling around structure with excavated earth, watering and ramming lift	28000.00 Quantity	Rft	Rate	Total Per Rft Total Unit	Amount
1 0 0 1	truction of	to 50 mm) gauge, in foundation and plinth:- Ratio 1:6:12 Civil Work (Non-Schedule) Providing & Fixing Pre-Cast Kerb stone size 12"x14"x6" (300mmx350mmx150mm) and duly embedded on a bed of PCC 1:6:12 (4" thick), PCC 1:2:4 for hanuching, laid with cement sand mortor 1:3, 3/4" thick i/c painting of 3 coats complete in all respects as per design & as approved by the engineer incharge made (Izhar/Banu Mukhtar/ Mukhtar Sons) A Nos Pipe Culverts 40' wide Description Excavation in foundation of building, bridges and other structures including deg-belling, dressing, refilling around	28000.00		Rate	Total Per Rft Total	Amount
1 0 01S	truction of	to 50 mm) gauge, in foundation and plinth:- Ratio 1:6:12 Civil Work (Non-Schedule) Providing & Fixing Pre-Cast Kerb stone size 12"x14"x6" (300mmx350mmx150mm) and duly embedded on a bed of PCC 1:6:12 (4" thick), PCC 1:2:4 for hanuching, laid with cement sand mortor 1:3, 3/4" thick i/c painting of 3 coats complete in all respects as per design & as approved by the engineer incharge made (Izhar/Banu Mukhtar/ Mukhtar Sons) A Nos Pipe Culverts 40' wide Excavation in foundation of building, bridges and other structures including deg-belling, dressing, refilling around structure with excavated earth, watering and ramming lift	28000.00 Quantity	Rft	Rate	Total Per Rft Total Unit	Amount

					Total
8	6/5-f	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	200.00	Cft	% Cft
7	6/6	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in $5(a)$ (i) above not requiring form work (i.e. horizental shuttering) complete in all respects Type C (nominal mix 1: 2: 4)	800.00	Cft	Per Cft
6	6/9-b	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) Deformed Bar 40-Grade	1200.0	Kg	% Kg
5	21/3	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, i/c carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc., 18" i/d	160.00	Rft	Per Rft
4	11/9	Cement Plaster 1:4 upto 20' height 1/2" thick	3000.0	Sft	% Sft
3	7/4	Pacca brcik work in foundation and plinth in Cement Sand Mortar Ratio 1:6	2000.00	Cft	% Cft

Α		Electrical Work (Schedule)				
1	24/4-ii	Supply and erection of PVC pipe for wiring on surface including clamps inspection				
		boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials:-				
		20 mm i/d	400.00	Rft	Per Rft	
			100.00	T VIL		
2	24/10	Supply and erection of single core PVC insulated copper conductor cables, in				
	-а	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:.				
		7/0 7/ mm (7/0 000")	8800.00	D#	Dor D#	
		7/0.74 mm (7/0.029")	0000.00	RIL	Per Rft	
3	24/13	Supply and erection of copper conductor cables for service connection, in prelaid				
-		pipe/G.I. wire/trenches, etc. (rate for cable only):				
i		PVC insulated, PVC sheathed 3 core, 660/1100 volt cable:-7/0.74 mm (7/0.029")	3100.00	D4	Dee D#	
		PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable:- 7/1.63	3100.00	кπ	Per Rft	
ii		mm (7/0.064")	8800.00	Rft	Per Rft	
4	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.				
		complete in all respects.	58000.00	Cft	%o Cft	
		, company and a second s			,	
5	3/15-i	Filling, watering and ramming earth under floors:-				
		with surplus earth from foundation, etc.	58000.00	Cft	%o Cft	
6	7/23	Dry brick pitching	5500.00	Cft	% Cft	
7	24/18a-iii	Supply and erection of iron/aluminum clad, 500 volts main switches with kitkat				
		fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including bonding to earth with necessary flexible pipe and thimbles, etc. 60/65 Amp.				
			2.00	No	Each	
8	24/63	Supply and erection of street light pole bracket 30 mm (11/4") G.I. pipe 2 metre	10.00			
		long, complete with 2 No. pole clamp	10.00	No	Each	
9	24/62	Supply and erection of all aluminum stranded hard drawn bare conductor, of size				
5	24/02	7/3.099 mm (7/0.122").	2000.00	м	Per M	
10	24/57	Supply and erection of shackle insulator, medium size.	65.00	No	Each	
11	6/5-f	Cement concrete plain including placing, compacting, finishing and curing				
		complete (including screening and washing of stone aggregate):Ratio 1: 2: 4	300.00	Cft	%Cft	
					A	
	l				1 1	
в		Electrical Work (Non-Schedule)				
1	N.S	Supply & installation of Die-Cast Aluminum LED Street light 120W (220V~, 6500K)				
		i/c any accessories required at site. Complete in all respect as directed and				
		approved by the Engineer Incharge (Philips, BRP372 LED 144/CW or Equivalent) with 3 year warranty.	96.00	No	Each	
2	N.S	Supply & installation of Die-Cast Aluminum LED Street light 36W (220V~, 6500K)			<u> </u>	
		i/c any accessories required at site. Complete in all respect as directed and				
		approved by the Engineer Incharge (Philips, BRP390 LED 750/CW or Equivalent) with 3 year warranty.	10.00	No	Each	
			10.00	NU	Each	
3	N.S	Providing and Laying earthing for Electric Machines I/c boring up to moisture level		\vdash		
-		(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) and charcoal around copper strip I/c connecting with				
		Electric machine. Complete in all respects as approved and as directed by the				
		engineer incharge.				

10.00 No

Each

r r					
4	N.S	Supply, installation, connection & commissioning of Automatic Street Light Control Board, Open type Pole mounted design, made of M.S. Sheet 18 SWG with hinged door, handle, and 2 coats of Approved paint, (Size 24*x18") including Incoming Main Molded Case Circuit Breaker of 125 Amps T-p (15KA) 1.00 No, Magnetic Contactor AC3 of (1NC + 1NO) 65 Amps 1.00 Nos, Electronic Time relay 1.00 No, Kit kat Fuses 500V 200A, 3.00 No, Light activated relay 220V, 10A 1.00 No, No/Off LED phase light 2.00 Nos, 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 Hitachi, Schneider Electric, Legrand or equivalent).			
			4.00	No	Each
5	N.S	Horizontal boring underneath roads, walking path & ramps of houses for crossing of Electric power cables, PVC pipes or Water lines. Complete in all respects as approved and as directed by the engineer incharge.	400.00	Rft	Per Rft
6	N.S	Preparing surface and painting with Silver Enamel paint of grey shade 3 coats for tubular poles 30' height i/c scaffolding and labour complete in all respects as approved by the engineer incharge.	12.00	Job	Per Job
7	N.S N.S	Supply, installation, connection & commissioning of MS box 7"x 4"x 4" 16 SWG with 3/16" thick Bakelite sheet on top with 1 or 2-Amp S-p Circuit breaker and fixing arrangement on pole etc. i/c any accessories required at site. Complete in all respects as approved by the engineer incharge. Supply & Installation & commissioning of 200 KVA (11 KV/415V) 3-phase, 50 Hz step down Pole mounted / enclosed type distribution Transformer having	10.00	Job	Per Job
		connection group, DY-11 oil immersed natural cooled with off load tap changer +2.1/2 % - 5% and 7.5% (as per WAPDA standard) <i>i/c</i> any other accessories required at site. Complete in all respects as approved by the Engineer incharge. (with complete purchase and tax documents) (PEL, Transfopower or Equivalent)	1.00	Job	Per Job
9	N.S	Supply & Laying of 3-core, 240mm ² , 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)	620.00	м	Per M
10	N.S	Supply and installation of 240mm ² , 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)	6.00	Job	Per Job
11	N.S	Providing & Fixing Tubler Steet Light Poles 30' Height (Double Arm) with 5" dia G.I pipe heavy quality 10', 4" dia G.I pipe Heavy quality 10' & 2.5" dia G.i pipe Heavy quality 10' including 1.5" dia G.I pipe Light quality 2 Nos 5' Each with RCC foundation 2'x2'x5', MS plate 1" thick 1.5'x1.5' and MS plate 1/2" Thick 1.5'x1.5' including 1" dia Nut bolts 4' high 4 Nos imbeded in RCC foundation complete in all respects as approved by the engineer incharge.	00.00		
			26.00	No	Each
12	N.S	Providing & Fixing Tubler Steet Light Poles 30' Height (Single Arm) with 5" dia G.I pipe heavy quality 10', 4" dia G.I pipe Heavy quality 10' & 2.5" dia G.i pipe Heavy quality 10' including 1.5" dia G.I pipe Light quality 1 Nos 5' Each with RCC foundation 2'x2'x5', MS plate 1" thick 1.5'x1.5' and MS plate 1/2" Thick 1.5'x1.5' including 1" dia Nut bolts 4' high 4 Nos imbeded in RCC foundation complete in all respects as approved by the engineer incharge.	25.00	No	Each
13	N.S	Manufacturing and erection of galvanized angle iron lattice steel structure HT pole of size 34-8" 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 200±3%kg i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	10.00	No	Each
14	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.	18.00	No	Each
15	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.	33.00	No	Each
16 17	N.S	Supply & Installation of 11KV Disc Insulator i/c aluminum alloy Dead end clamp and any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. Supply & erection of ACSR Dog (118.5 mm ²) Conductor (Aluminum Conductor	15.00	No	Each
	N.3	Steel Reinforced) for overhead11 KV Lines i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	4000.00	Rft	Per Rft
18	N.S	Supply & Installation of Stay wire set i/c all accessories such as 'U' clamp, Rod & concrete block etc and any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	12.00	No	Each
19	N.S	Manufacturing and erection of galvanized angle iron lattice steel structure LT pole of size 30'-8" long using high tensile steel angle 11/x"x11/x"x3/16" with MS angle iron and 1"x1"x%" and flat iron 2"x1/x"bracing, weighing 130±3%kg i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	2.00	No	Each
20	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	No	Each
21	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	No	Each
22	N.S	Providing & laying of PVC/PVC 3-Core flexible 110/0.0076" copper conductor cable i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (KM, Eagle or Equivalent)	50.00	М	Per M

Total of В The Islamia University of Bahawalpur Extension of Main Arterial Road at Baghdad-ul-Jadeed Campus

	MRS	Civil work Description	0	I	Data		Jan to Jun, 20
lo 1	MRS 3/5-iii	Description Earthowrk in ordinary soil for embankments including	Quantity		Rate	Unit	Amount
I	3/5-III jij+	Earthowrk in ordinary soil for embankments including ploughing and mixing with blade grade or disc harrow or					
	17/a	other suitable equipment, and compaction by mechanical					
	IIIa	means at optimum moisture content and dressing to					
		designed section, complete 90% maximum modified					
		AASHO dry density.					
		i) Lead upto 100 ft.	240000.00	Cft		%o Cft	
		ii) Lead upto 1/4 mile	500000.00	Cft		%o Cft	
2	3/2	Earthwork excavation in ashes, sand and soft soil or silt					
		clearance, undressed lead upto 50 ft (15 metre).	150000.00	Cft		%o Cft	
3	3/25	Compaction of earthwork with power road roller including					
		ploughing, mixing, moistening earth to optimum moisture					
		content in layers, etc. complete: 90% maximum modified AASHO dry density.	150000.00	6 4		AL	
		50 /6 maximum modilied AASHO dry density.	150000.00	Cft		%o Cft	
4	18/19	Providing and laying dry brick pavement/soling in streets					
	10,10	or roads, etc. sand grounted, laid in proper camber,					
		including preparation, watering, compaction of bed to					
		proper camber, and sand cushion.	83500.00	Cft		% Cft	
4	18/5	Providing and laying road edging of 3" (75 mm) wide and					
		9" (225 mm) deep brick on end, complete in all respects.	25000.00	Rft		Per Rft	
5	18/4	Providing and laying base course of crushed stone					
		aggregate of approved quality and grade, and supply and					
		spreading of stone screening, including placing, mixing,					
		spreading and compaction of base course material to					
		required depth, camber and grade to achieve 100%	100050.00				
		maximum modified AASHO dry density, i/c carriage of	129250.00	Cft		% Cft	
		all materials to site of work.					
6	18/10	Providing & Laving plant promixed bituminous including					
0	iv	Providing & Laying plant premixed bituminous including compaction and finishing to required grade and density,					
		4.50% bitumen 2" thick	262500.0	Sft		% Sft	
			_0_00010	On			
7	18/6	Providing and laying bituminous priming coat, using 10					
		'lbs. kerosene oil and 10 lbs. binder per 100 Sft. or 0.5 Kg					
		kerosene and 0.5 Kg binder per square metre.	262500.0	Sft		% Sft	
8	10/43	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					
			65000.00	Sft		P/Sft	
9	6/5-f	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1:					
		2: 4	2500.00	Cft		% Cft	
10	7/5	Pacca brick work in foundation & plinth:					
		cement, sand mortar:- Ratio 1:6	15750.00	Cft		% Cft	
11	11/9	Cement plaster 1:4 upto 20' (6.00 m) height:-					
		i) ½" (13 mm) thick	21000.00	Sft		% Sft	
12	0/0						
12	6/3	Cement concrete brick or stone ballast 1 ¹ / ₂ " to 2" (40mm	28500.00	Cft		% Cft	
		to 50 mm) gauge, in foundation and plinth:- Ratio 1:6:12	20000.00	On		Total	
	Ļ	Civil Work (Non-Schedule)					
1	N.S	Providing & Fixing Pre-Cast Kerb stone size 12"x14"x6"					
		(300mmx350mmx150mm) and duly embedded on a bed					
		of PCC 1:6:12 (4" thick), PCC 1:2:4 for hanuching, laid					
		with cement sand mortor 1:3, 3/4" thick i/c painting of 3					
		coats complete in all respects as per design & as					
		approved by the engineer incharge made (Izhar/Banu Mukhtar/ Mukhtar Sons)	27500.00	Rft		Per Rft	
			21000.00			Total	
	truction of	2 Nos Pipe Culverts 40' wide					
) 1	3/21	Description	Quantity		Rate	Unit	Amount
'	5/21	Excavation in foundation of building, bridges and other structures including deg-belling, dressing, refilling around					
		structures including deg-beining, dressing, reming around structure with excavated earth, watering and ramming lift					
		upto 5 ft in ordinary soil	1200.00	Cft		%o Cft	
				-			
2	6/3	Cement concrete brick or stone ballast 11/2 " to 2" (40					
		mm to 50 mm) gauge, in foundation and plinth:-					
		Ratio 1:4:8	200.00	Cft		% Cft	
	7/4						
<u> </u>	7/4	Pacca brcik work in foundation and plinth in Cement Sand Mortar Ratio 1:6	1000.00	~		0/ 04	
3			1000.00	Cft		% Cft	
3				ļ			
3 4	11/9		1500.0	Sft		% Sft	
-	11/9	Cement Plaster 1:4 upto 20' height 1/2" thick	1500.0	Sft		% Sft	

		cement concrete 1:1½:3 conforming to ASTM Specification C-76-79, Class II. Wall B, i/c carriage of				
		pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc., 18" i/d	80.00	Rft	Per Rft	
6	6/9-b	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) Deformed Bar 40-Grade	600.0	Kg	% Кд	
7	6/6	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizental shuttering) complete in all respects Type C (nominal mix 1: 2: 4)	400.00	Cft	Per Cft	
8	6/5-f	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	100.00	Cft	% Cft	
		Sewer Line			Total	
1	3/42	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- i) 0 ft. to 7.0 ft. (0 to 2.10 m) depth	150000.00	Cft	%o Cft	
			200000.00	Cft	%o Cft	
2	6/2	ii) 7-01 ft. to 15.0 ft. (2.15 to 4.5 m) depthDry rammed brick or stone ballast, 1½" to 2"(40 mm	200000.00	Sit	/00 Git	
_		to 50 mm) gauge.	18000.00	Cft	% Cft	
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	1200.00	Cft	% Cft	
4	7/4	Pacca brcik work in foundation and plinth in Cement Sand Mortar Ratio 1:4	6500.00	Cft	% Cft	
5	11/9	Cement Plaster 1:4 upto 20' height 3/4" thick	8000.0	Sft	% Sft	
6	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	750.00	Cft	% Cft	
7	21/3	Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-79, Class II. Wall B, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing,				
		etc., complete. i) 12" i/d	1000.00	Rft	Per Rft	
		ii) 18" i/d	2000.00	Rft	Per Rft	
8	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.	30.00	No	Each	
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)	6500.0	Sft	% Sft	
10	26/37	Supplying and laying polythene sheet over D.P.C. under 'floors and on roofs, etc. 500 gauge (.005" thick)	6500.00	Sft	Per Sft	
11	3/13 -b	Rehandling of earthwork: Upto a lead of 50 ft. (15 m).	350000.00	Cft	%o Cft	
	~	Electrical Work (Schodula)			Total	
A 1	24/4-ii	Electrical Work (Schedule) Supply and erection of PVC pipe for wiring on surface including clamps inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials:-				
		20 mm i/d	100.00	Rft	Per Rft	
2	24/10-a	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:.				
		7/0.74 mm (7/0.029")	4500.00	Rft	Per Rft	
3	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 3 core, 660/1100 volt cable:-7/0.74 mm (7/0.029")				
i		PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable:- 7/1.63	2800.00		Per Rft	
ii		mm (7/0.064")	4500.00	Rft	Per Rft	

<u> </u>					
4	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.			
		complete in all respects.	20000.00	Cft	%o Cft
5	3/15-i	Filling, watering and ramming earth under floors:-			
		with surplus earth from foundation, etc.	20000.00	C#	%o Cft
			20000.00	GIL	760 Cit
	7/23	Dry brick pitching			
6	1125	bry brok pitoling	2500.00	Cft	% Cft
7	24/8a-iii	Supply and erection of iron/aluminum clad, 500 volts main switches with kitkat fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including			
		bonding to earth with necessary flexible pipe and thimbles, etc. 60/65 Amp.			
			2.00	No	Each
8	24/62	Supply and erection of all aluminum stranded hard drawn bare conductor, of size			
		7/3.099 mm (7/0.122").	2000.00	М	Per M
9	24/57	Supply and erection of shackle insulator, medium size.	85.00	No	Each
10	6/5-f	Cement concrete plain including placing, compacting, finishing and curing			
		complete (including screening and washing of stone aggregate):Ratio 1: 2: 4	100.00	C#	%Cft
			100.00	υı	
		Electrical Work (Nen Schedule)		\vdash	A
B	N.S	Electrical Work (Non-Schedule) Supply & installation of Die-Cast Aluminum LED Street light 120W (220V~, 6500K)		\vdash	
1	N.5	i/c any accessories required at site. Complete in all respect as directed and			
		approved by the Engineer Incharge (Philips, BRP372 LED 144/CW or Equivalent)			
		with 3 year warranty.	72.00	No	Each
2	N.S	Providing and Laying earthing for Electric Machines I/c boring up to moisture level			
		(up to 60' below ground level) 4" i/d including copper strip 14" x 2" x 1/4" (350 x 50 x 6 mm) connecting with 1 Nos.bare copper wire of No.8 SWG to be run in PVC			
		pipe 20mm i/d, 1 ¹ / ₄ " i/d GI pipe 5' long, GI tee & plug for watering also includs			
		common salt, Lime (slaked) and charcoal around copper strip I/c connecting with			
		Electric machine. Complete in all respects as approved and as directed by the			
		engineer incharge.	4.00		
			4.00	NO	Each
3	N.S	Supply, installation, connection & commissioning of Automatic Street Light Control			
Ũ	11.0	Board, Open type Pole mounted design, made of M.S. Sheet 18 SWG with hinged			
		door, handle, and 2 coats of Approved paint, (Size 24"x18") including Incoming			
		Main Molded Case Circuit Breaker of 125 Amps T-p (15KA) 1.00 No, Magnetic			
		Contactor AC3 of (1NC + 1NO) 65 Amps 1.00 Nos, Electronic Time relay 1.00 No, Kit kat Fuses 500V 200A, 3.00 No, Light activated relay 220V, 10A 1.00 No,			
		No/Off LED phase light 2.00 Nos, 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 Hitachi, Schneider Electric, Legrand or equivalent).			
			2.00	No	Each
-+			2.00		
4	N.S	Horizontal boring underneath roads, walking path & ramps of houses for crossing			
	-	of Electric power cables, PVC pipes or Water lines. Complete in all respects as			
		approved and as directed by the engineer incharge.	200.00	Rft	Per Rft
5	N.S	Providing & Fixing Tubler Street Light Poles 30' Height (Double Arm) with 5" dia G.I			
		pipe heavy quality 10', 4" dia G.I pipe Heavy quality 10' & 2.5" dia G.i pipe Heavy quality 10' including 1.5" dia G.I pipe Light quality 2 Nos 5' Each with RCC			
		foundation 2'x2'x5', MS plate 1" thick 1.5'x1.5' and MS plate 1/2" Thick 1.5'x1.5'			
		including 1" dia Nut bolts 4' high 4 Nos imbeded in RCC foundaton complete in all			
		respects as approved by the engineer incharge.	00.00	Nic	E t
			29.00	NO	Each
				\vdash	
6	NS	Supply & Installation of Stay wire set i/c all accessories such as 'L' clamp. Pod &			i 1
6	N.S	Supply & Installation of Stay wire set i/c all accessories such as 'U' clamp, Rod & concrete block etc and any accessories required at site. Complete in all respect as			
6	N.S				
6	N.S	concrete block etc and any accessories required at site. Complete in all respect as	4.00	No	Each
		concrete block etc and any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	4.00	No	Each
6 7	N.S N.S	concrete block etc and any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge Providing & laying of PVC/PVC 3-Core flexible 110/0.0076" copper conductor	4.00	No	Each
		concrete block etc and any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge Providing & laying of PVC/PVC 3-Core flexible 110/0.0076" copper conductor cable i/c any accessories required at site. Complete in all respect as directed and	4.00	No	Each
		concrete block etc and any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge Providing & laying of PVC/PVC 3-Core flexible 110/0.0076" copper conductor	4.00		Each Per M