

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

ENGINEER'S COST ESTIMATE

CIVIL WORKS

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
MRS, 1st BI-ANNUAL-2022 (1st JANUARY-2022 to 30th JUNE -2022) DISTRICT BAHAWALPUR						
		SCHEDULE ITEMS-A				
		Earth Work				
1	CH:3 item 17(b) P-30	Jungle clearance and removing within 100 ft. (30 m).a) thick	74,000.00		1000 Sft	
2	CH:3 item 21(b) P-30	Excavation in foundation of building and other sructures, including debelling,dressing,refilling around structure with excavated eart,watering and ramming lead upto one chain 100ft and lift upto 5 ft. in ordinary soil.				
		i) By manual	190,537.99		1000 Cft	
3	CH:3 item 20(b) P-	Dressing of earthwork (done by machinery or otherwise and left undressed) to designed section. (Excavation by Excavator)	13,000.00		100 Sft	
4	CH:3 item 15	Filling, watering and ramming earth under floors:				
	CH:3 item 15(i)	i) with surplus earth from foundation, etc.	211,708.88		1000 Cft	
5	CH:3 item 2+17	Earthwork excavation in ashes, sand and soft soil or silt clearance, undressed lead upto 2 km (2000 metre).	421,600.00		1000 Cft	
6	CH:3 item 25 (i) P-31	Compaction of earthwork with power road roller, including ploughing, mixing, moistening earth to optimum moisture) content in layers, etc. complete: i) 95% to 100% maximum modified AASHO dry density.	248,708.88		1000 Cft	
		Anti-Termite				
7	CH:26 item 43 P-213	Spraying anti termite proofing by using liquid FMC Biflex 2.5%EC Mixing Ratio 1:50=137-Sft or using liquid MIRAGE Ali Akbar /RANGERS Auriga 5% SC Mixing Ability-HEXTAR Ratio 1:110=205-Sft or any other equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge	200,410.44		Per Sft	
		Plain and Reinforement Concrete				
8	CH:6 item 5 P-42	Cement concrete plain including placing, compacting , finishing and curing complete (including screening and washing of stone aggregate):-				
	(i)	Ratio 1: 4: 8	25,680.65		100 Cft	
	(f)	Ratio 1: 2: 4	24,089.69		100 Cft	
9	CH:6 item 6 P-42	Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				
	(a)(iii) P-4	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-				
		Foundation				
	(2)	Type B (nominal mix 1: 1½: 3)	74,552.10		Per Cft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
10	(a)(ii) P-42	Reinforced cement concrete in retaining /Shear walls laid in situ or precast laid in position, or prestressed members cast in situ (Form work on both sides) , complete in all respects:				
		Type B (nominal mix 1:1-1/2:3)				
		Upto 9" thick (Avg)	3,000.00		Per Cft	
	(a)(i) P-42	Reinforced cement concrete slabs, beams, girders, Lintels and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects;-				
		GROUND FLOOR				
	(a)(i)(2)	Type B (nominal mix 1: 1½: 3)	96,725.46		Per Cft	
		FIRST FLOOR				
	(a)(i)(2)+(d)	Type B (nominal mix 1: 1½: 3)	64,500.00		Per Cft	
		MUMTY				
	(a)(i)(2)+(d)	Type B (nominal mix 1: 1½: 3)	6,914.72		Per Cft	
		Carriage				
11	CH:1 item 1 P-3	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. <b>(Lead 366 kms From Sargodha (or approved quarry) to site of work)</b>	240,070.00		% Cft	
		Steel Reinforcement				
12	CH:6 item 11 (c) P-45	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement ( also includes removal of rust from bars) (c) Deformed bar (Grade 60)	698,500.00		100Kg	
13	CH:6 item 35 (b)(i) P-49	Providing and laying damp proof course of cement concrete 1:2: 4(using cement, sand and shingle), b) with 2 coats of bitumen :- i) 1½" thick (40 mm)	189.20		100 Sft	
14	CH:6 item 27 P-48	Providing and fixing 1/8" (3 mm) thick 3" (75 mm) wide aluminium strip on horizontal and vertical expansion joints in walls, columns, ceilings and floors etc., including cost of clips/screws etc., complete in all respects:-				
	a)	On interior surface (without mastic strip)	722.40		Per/Rft	
	b)	On exterior surface (with mastic strip)	729.23		Per/Rft	
15	CH:6 item 34 (b)	Providing and fixing thermopore (foamed polythene) sheet in horizontal and vertical expansion joints:				
		b) 1½" (40 mm) thick thermopore sheet	9,941.40		Per/Sft	
16	CH:6 item 14	Providing and fixing ornamental cement jali 2" (50 mm) thick	3,402.00		Per Sft	
		Brick Work				
17	CH:7 item 4 (i)	Pacca brick work in foundation and plinth in:-Cement, sand mortar:-Ratio 1:6	18,162.00		100 Cft	
18	CH:7 item 4 (i)	Pacca brick work in foundation and plinth in:-Cement, sand mortar:-Ratio 1:4	2,175.76		100 Cft	
		GROUND FLOOR				
19	CH:7 item 5 (i)	Pacca brick work in ground floor :- Cement, sand mortar:-Ratio 1:6	65,374.00		100 Cft	
20	CH:7 item 5 (i)	Pacca brick work in ground floor :- Cement, sand mortar:-Ratio 1:4	2,049.86		100 Cft	
		FIRST FLOOR				
21	Ch-7 item 5 (i)	Pacca brick work in first floor:- Cement, sand mortar:-Ratio 1:6	64,428.00		100 Cft	
22	CH:7 item 5 (i) P-55	Pacca brick work in first floor :- Cement, sand mortar:-Ratio 1:4	2,049.86		100 Cft	
		MUMTY				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
23	Ch-7 item 5 (i)	Pacca brick work in second floor:- Cement, sand mortar:-Ratio 1:6	2,416.05		100 Cft	
24	Ch-7 item 9	Extra labour for arch work in brick masonry, including labour for centring and decentring.	140.96		100 Cft	
25	Ch-7 item 13	Extra for face work (half brick thick) using special bricks instead of first class bricks.	16,637.37		100 Cft	
		<b>Flooring</b>				
26	Ch-7 item 30	Supplying and filling sand under floor; or plugging in wells	25,727.39		100 Cft	
27	Ch-10 item 3 P-70	Providing, laying, watering and ramming brick ballast 1½ to 2"(40 mm to 50 mm) gauge mixed with 25 % sand, for floor foundation, complete in all respects	42,235.08		100 Cft	
28	Ch-10 item 40 (a) P-74	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels a) Size 1½" x 3/8" (40 x 10 mm)	1,873.37		Per Rft	
29	Ch-10 item 41 (b) P-74	Providing and laying Tuff pavers ,having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect.(50% Grey / 50% Coloured) b) 60-mm thick	7,875.00		P.Sft	
30	Ch-10 item 42 (a-1) P-75	Providing and laying superb quality <b>Porcelain glazed tiles flooring</b> of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. <b>Full body Glazed tiles</b>				
		(i) 400 mm x 400 mm	82,500.00		P.Sft	
		(ii) 600mmx 600 mm	35,500.00		P.Sft	
31	Ch-10 item 43 (a-1) P-75	Providing and laying superb quality <b>Porcelain glazed tiles</b> of Master brand, <b>skirting/dado</b> of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge.				
		(i) 400 mm x 400 mm	32,118.50		P.Sft	
		(ii) 600mmx 600 mm	2,770.85		P.Sft	
32	Ch-10 item 47 (i) P-76	Providing and laying 3/4" thick full width Prepolished <b>Marble slab for Vanities</b> / Shelves / Treads/ <b>Window Cills</b> , having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortor i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge.				
		China Verona	3,048.00		P.Sft	
33	Ch-10 item 48 P-76	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carborandam disc as approved and directed by the Engineer Incharge.	1,500.00		P.Rft	
34	Ch-10 item 49 P-76	Extra cost for making hole in Marble slab for fixtures, Sink,burners, basin Vanities i/c cost of bevelling of internal edge as approved and directed by the Engineer Incharge.	85.00		Each	
35	Ch-10 item 50 (i) P-76	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed , complete in all respect as approved and directed by the Engineer Incharge <b>(for podium, Stair steps, Risers)</b> (i) 3/4" thick	4,876.00		P.Sft	
36	Ch-10 item 24 (i)	Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge.				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
		12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	2,400.00		P.Sft	
37	Ch-10 item 25 (i)	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge.				
		12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	4,200.00		P.Sft	
		Surface Rending				
38	Ch-11 item 10 (b) P-78	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	
39	Ch-11 item 9 (b) P-78	Cement plaster 1:4 on internal walls upto 20' (6 m) height, 1/2" (13 mm ) thick.	349,822.91		100 Sft	
40	Ch-11 item 9 (c) P-78	Cement plaster 1:4 on external walls upto 20' (6 m) height, 3/4" (20 mm ) thick.	17,668.35		100 Sft	
41	Ch-11 item 9 (c) & 28	Cement plaster 1:4 on external walls upto 30' (9 m) height, 3/4" (20 mm ) thick.	3,788.40		100 Sft	
42	Ch-11 item 9 (c) &	Cement plaster 1:4 on external walls upto 40' (12 m) height, 3/4" (20 mm ) thick.	14,165.55		100 Sft	
		Wood Work & Door Chowkat				
43	Ch-12 item 61 (b-i) P-92	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by the Engineer Incharge. iii) brass sliding bolt, 10" (250 mm) long	416.00		Each	
44	Ch-12 item 50	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges, Painting charges, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.	12,175.00		Per Sft	
45	Ch-12 item 60- ii, iii P-92	Providing and fixing 2" wide MS Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock hole covered with MS Box,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge.				
		i) 10.50 " wide	2,785.00		Per Sft	
		ii) 5.5 " wide	975.00		Per Sft	
		Painting and Warnishing				
46	Ch-13 item 31 (c) P-98	Preparing surface and painting with emulsion paint:- 3 Coats New Surface	456,830.79		100 Sft	
47	Ch-13 item 32A (a)(i+ii) P-98	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:- 2 Coats New Surface	37,403.42		100 Sft	
48	Ch-13 item 7	French polishing complete:- on new work	24,351.60		100 Sft	
		Roofing & Water Proofing				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
49	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 absorption (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	
50	Ch-9 item 5 P-60 + Ch-26 item 37(iiix2) P-163	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded.i/c P/L double layer polythene sheet 500 gauge	82,692.88		100 Sft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
51	Ch-9 item 15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm).	52.00		Each	
52	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	
		Miscellenious				
53	Ch-25 item 59 (i) P-208	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge.				
		(i) 3/8" Squar Bars	9,800.00		Per Sft	
54	Ch-25 item 52	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 20 mm (4"x¾") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 2mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	9,800.00		Per Sft	
55	Ch-25 item 53 P-207	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1- 1/2"x1/2" and thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	5,000.00		Per Sft	
56	Ch-25 item 64 P-209	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c staines steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.	400.00		Per Sft	
57	Ch-12 item 62 P-92	Providing and fixing almirah shutter comprising of ¾" thick both side Laminated/Glossy MDF (Karachi) sheet with 1"x¾"deodar wood golla all around the leaf fixed on (3"x1") Kail wood frame i/c the cost of 1/2" full brass hinges, C.P.handles, catchers, screws, and rawal plugs, polishing/ paint ing 3 coat to gola & frame i/c the cost of locking arrangement complete in all respect as approved and directed by Engineer Incharge. <b>(for Floor Mounted Cabinet)</b>	184.00		Per Sft	
58	Ch-12 item 58 (ii) P-91	Providing and fixing Vin board cabinet ¾" thick with drawers 3"deep in 'Kitchen including termite proofing and polishing with synthetic enamel as specified, with handles hinges,screws etc., complete in all respects. <b>(for Wall Mounted Cabinet)</b>				
		1-1/2' deep,with back	120.00		Per Sft	
59	Ch-9 item 48 (iii) P-68	Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2'2'x3'/ 3'x3'of specified design and thickness i/c cost of fixtures i.e galvanized angle 1" x 1" at wall sides, galvanized tee 1¼" x 1"and 1 ½" x 1" both at 4' c/c ( made of Taiwan CKM or equivalent), hanging with G.I/Copper wire 16 SWG, G.I hook, Rawal Plug etc: complete in all respects as approved and directed by the Engineer Incharge.				
		9 mm thick	38,500.00		Per Sft	
60	Ch-25 item 66 P-209	Providing and fixing 2.00 ft deep M.Steel Lockers (Wardrobes) consisting of 1-1/4" x1-1/4" x3/16" angle Iron Frame & 1" x1" x1/8" MS Flat for center vertical bracing duly welded with MS sheet 24- SWG Sheet on all Sides, Back & Top and for partitions / Shelves and 1"x1"x1/8" Angle Iron for Leaf Frame duly welded with 18- SWG for Front Door and hinges and locking arragement ,handles duly painted with hammar paint 3-coats complete in all respect as approved by the Engineer Incharge.	200.00		Per Sft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
61	Ch-12 item 7-(b-iii) P-83	Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bolt,lock and chowkats (frame), etc.) as approved and directed by the Engineer Incharge Oak/Ash wood Door, 1.50" thikc (40mm)	120.00		Per Sft	
62	Ch-12 item 43	Preparing surface and Lacquar polish to reveal wooden grains by application of multiple coats of wood sealer , sand papering with different no of sandpapers and Lacquar to make glossy surface finish i/c the cost of cotton, thinner, wood sealer complete in all respects as approved and directed by the Engineer Incharge.	350.00		Per Sft	
		<b>Total "A"(Schedule items) C/o to Summary of Cost:</b>				
		<b>NON SCHEDULE ITEMS-B</b>				
		<b>Flooring</b>				
		<b>Excavation Upto any Depth</b>				
1	N.S	Structural excavation in any kind of soil above / below water level for levelling and grading of building, for raft / foundations and other structures upto any depth (bellow 5'), and disposal of unsuitable / surplus excavated material outside the project premises at any lead, including restoration of any damages during excavation is the responsibility of contractor complete in all respects as per Specifications and as per approval of The Engineer.	216,657.10		Per/Cft	
2	N.S	Providing and fixing 1½" (40mm) thick uPVC flush door & all hardware/ accessories chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect as approved by the engineer incharge.	1,176.00		Per/Sft	
3	N.S	Providing and fixing Handle lock (Hiluke/DAF/Khas or equivalent), complete in all respect as per specification and as approved by the Engineering Incharge.	350.00		Each	
4	N.S	Providing & Fixing Looking Glass 5-mm thick best quality,complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.	320.00		Per/Sft	
5	N.S	Providing and fixing Steel Floor trap Jali complete in all respect as per specification and as approved by the Engineering Incharge.	100.00		Each	
		<b>Total "B"(Schedule items) C/o to Summary of Cost:</b>				
		<b>Net Total (A+B)</b>				

INTERNAL PUBLIC HEALTH WORK

Item No.	REF. Nos	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
<b>MRS, 1st BI-ANNUAL-2022 DISTRICT BAHAWALPUR</b>						
		<b>Schedule Items (A)</b>				
		<b>Plumbing Fixtures</b>				
1	Ch 19 item 23/P-129	Providing and fixing BATHROOM ACCESSORIES (7-piece set) MASTER BRAND - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge.				
		i) Plastic soap dish	84		Each	
		ii) Plastic toilet paper holder	92		Each	
		iii) Plastic tower rail	44		Each	
		iiii) Plastic shelf 60x13 cm (24:x5") with bracket and railing	20		Each	
		iv) Looking glass with plastic frame	20		Each	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
2	Ch 19 item 1/P-127	Providing and fitting glazed earthen ware water closet European type, excluding seat and cover:-				
		coloured	20		Each	
3	Ch 19 item 2/P-127	Providing and fixing, double seat and cover only. Bakelite	20		Each	
4	Ch 19 item 4/P-127	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest.				
		coloured	32		Each	
5	Ch 19 item 7/P-127	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.				
		i) white, with pedestal	20		Each	
		ii) Under Counter Vanity Basin	64		Each	
6	Ch 19 item 8/P-128	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe and waste coupling.	8		Each	
7	Ch 19 item 52/P-134	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open wall shower, Muslim shower,waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge.				
		(i) 3 No Tee Stop Cock	46		Each	
		(ii) Lever Type Basin Mixer	84		Each	
		(iii) Double Bib Cock	16		Each	
		(iv) Muslim shower	92		Each	
8	Ch 23 item 47/P-160	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex /Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned).				
		<b>PN-20 pipe</b>				
		(i) (3/4") 25 mm	715		Per Rft	
		(ii) (1") 32 mm	902		Per Rft	
		(iii) (1-1/4") 40 mm	627		Per Rft	
		(iv) (1.5") 50 mm	500		Per Rft	
9	Ch 23 item 46/P-160	Providing and fixing CP heavy duty brass Ball valve with CP handle of specified diameter made of Faisal/Sonex / Master best quality or equivalent complete in all respect as approved and directed by the Engineer Incharge.				
		i) 1" dia	16		Each	
		ii) 1-1/4" dia	16		Each	
		ii) 1-1/2" dia	5		Each	
		iii) 2" dia	3		Each	
10	Ch 19 item 47/P-132	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized polyvinyl Chloride ) Nikasi/ waste pipe make of dadex /Popular/Beta/BBJ plain /socket ended conforming to code EN-1401 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.				
		<b>Type (SDR 41/SN-4)</b>				
		i) 3" (90 mm)	1500		Per Rft	
		ii) 4"(110 mm)	2000		Per Rft	
		iii) 6" (160 mm)	900		Per Rft	
		iv) 7.50" (200 mm)	500		Per Rft	
11	Ch 19 item 49/P-132	Providing, laying, testing and commissioning underground Yellow Polyethelene flexible gas pipe Tubing of required IPS(Iron Pipe Size) in the trenches , made of (Dadex/ Popular / Beta/ BBJ ) for Gas supply i/c the cost of solvent and specials complete as approved and directed by the Engineer Incharge.				
		<b>SDR-11</b>				
		(i) 1-1/4"	620		Per Rft	
		(ii) 1"	1288		Per Rft	
		<b>Sewerage System</b>				



Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
12	Ch 19 item 48/P-133	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized polyvinyl Chloride ) Nikasi/ waste pipe Fittings make of dadex /Popular/Beta/BBJ conforming to code EN-1401 ncluding the cost of Solvents complete in all respect as approved and directed by the Engineer Incharge.				
		(a) P-Trap				
		(i) 4" dia	175		Each	
		(b) Vent Cowel				
		(i) 3" dia	20		Each	
12	Ch 19 item 13	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete.	32		Each	
Total "A"(Schedule items) C/o to Summary of Cost:						

EXTERNAL PUBLIC HEALTH WORK

Item No.	REF. Nos	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
MRS, 1st BI-ANNUAL-2022 DISTRICT BAHAWALPUR						
		Schedule Items (A)				
		Water Supply System (For Pipe Line)				
1	Ch.3 Item 44/P-33	Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft. (1.5 m) depth 8.1 after laying of pipe line, which is from ground level, including trimming, dressing sides, payable separately. leveling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects.	8281		1000 Cft	
		Sewerage System (For Pipe Line)				
		Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- (FOR PIPES)				
2	Ch 3 item 42(i)/P-32	i) 0 ft. to 7.0 ft. (0 to 2.10 m) depth	5050		1000 Cft	
3	Ch 7 item 30/P-59	Supplying and filling sand under floor; or plugging in wells	1011		100 Cft	
4	Ch 23 item 47/P-160	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex /Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned).				
		PN-20 pipe				
		(2") 63 mm	2070		Per Rft	
5	Ch 23 item 46/P-160	Providing and fixing CP heavy duty brass Ball valve with CP handle of specified diameter made of Faisal/Sonex / Master best quality or equivalent complete in all respect as approved and directed by the Engineer Incharge.				
		ii) 2-1/2" dia	1		Each	
6	Ch 19 item 47/P-132	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized polyvinyl Chloride ) Nikasi/ waste pipe make of dadex /Popular/Beta/BBJ plain /socket ended conforming to code EN-1401 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.				
		Type (SDR 41/SN-4)				
		iii) 6" (160 mm)	949		Per Rft	
		iv) 7.50" (200 mm)	583		Per Rft	
Total "A"(Schedule items) C/o to Summary of Cost:						

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

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
2	24/6 ii	i) 3/4" i/d (20 mm)	13704.00		Per M	
		ii) 1" i/d (25 mm)	6669.00		Per M	
3	24/10	iii) 1.50" i/d (40 mm)	1800.00		Per M	
		iv) 2" i/d (50 mm)	2000.00		Per M	
		Supply and erection of PVC pipe for recessed wiring main and submain) purpose, i/c bends, specials etc in floor, walls or trenches: 3" i/d (80 mm)	2500.00		Per M	
3	24/13	Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only). 250/440 volts, PVC insulated:				
		i) 3/0.74 mm (3/0.029")	41112.00		Per M	
3	24/30	ii) 7/0.74 mm (7/0.029")	10864.00		Per M	
		iii) 7/0.91 mm (7/0.036")	16816.00		Per M	
3	24/103	iv) 7/1.12 mm (7/0.044")	480.00		Per M	
		v) 7/1.63 mm (7/0.064")	400.00		Per M	
3	24/13	vi) 19/1.32 mm (19/0.052")	4500.00		Per M	
		vii) 19/1.63 mm (19/0.064")	4000.00		Per M	
		Supply and erection of copper conductor cables for service connection, in prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable:-				
		i) 7/1.63 mm (7/0.064")	480.00		Per M	
		ii) 19/1.32 mm (19/0.052")	400.00		Per M	
3	24/30	Supply and erection of ceiling rose, bakelite.	2320.00		Each	
4	24/103	P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge <b>a) One way Gange Switch Small</b> i) 02 Gange ii) 03 Gange iii) Three pin Light Plug 10/13 Amp iv) Fan Dimmer v) Three Pin Power Plug 15-32 Amp <b>Large</b> i) 04 Gange ii) 05 Gange iii) 06 Gange	20.00 20.00 700.00 200.00 320.00  142.00 50.00 220.00		Each Each Each Each Each  Each Each Each	
5	24/102	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. <b>a) Plastic body</b> i) 12" dia	100.00		Each	
6	24/95	Suplying,Installation,testing and commissioning of 415-Volt ,4 Pole (TP+N) compact Copper Busway (Bus Tie Duct B.T.D) of specified size/rating comprising of 10 mm thick sandwich copper Bus bars,insulated with non- flammable/flame resistant resin applied at 130 OC by Automatic Electro- static application with Mayler Class-B, housed in Aluminium Housing i/c the cost of hangers, accessories,enclosures				
1	N.S	IP55, IEC 61439-1, complete in all respect,spaced to a minimum reducing reactance as approved & directed by the Engineer Incharge (i) 400 Amp (ii) 630 Amp (iii) 1250 Amp (iv) 1600 Amp	7.00 7.00 6.00 8.00		Per Rft Per Rft Per Rft Per Rft	
		<b>Electrical Work (Non-Schedule)</b> Supply & installation of LED 24W Down Light (Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Meson or Equivalent)	1250.00		Total  Each	
2	N.S	Supply & installation of LED 600 x 600mm Ceilling Panel Light 36W (220V~, CW or WW) i/c any accessories required at				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
3	N.S	site. Complete in all respect as directed and approved by the Engineer Incharge (Philips RC0488 or Equivalent)	1900.00		Each	
		Supply & installation of LED search light 100W (220V~, CW or WW) with fitting arrangement for installation on walls, parapet, pole or etc. i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips BVP 151 or Equivalent)	30.00		Each	
4	N.S	Providing & Fixing of LED Wall Light 15 Watt i/c any accessories (i.e. screw. Rawl plug or steel nail, etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge. (WL008C OVAL Philips)	80.00		Each	
5	N.S	Supply & installation of Wall Mounted LED Batten Light 20W (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Slimline or Equivalent)	90.00		Each	
6	N.S	Supply & installation of PVC Fan Box with iron bar i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (GM, Bitra or equivalent)	197.00		Each	
7	N.S	Supply & installation of Ceiling Fans, 56" sweep (As per "Pakistan Energy Lable" certified manufacturers). i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	197.00		Each	
8	N.S	Supply & installation of 2' x 2' False Ceiling Fan 18" swipe (99.99% Copper), remote controlled i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Royal, Super-asia or Equivalent)	150.00		Each	
9	N.S	Supply & installation of Wall Bracket Fan 24" (99.99% Copper) i/c any accessories (i.e. mounting screws & etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Younis, Tamoor, Pakfan or Equivalent)	14.00		Each	
10	N.S	Supply, installation, connection & commissioning of Main distribution boards, (DBs), Floor Standing design, made of M.S. Sheet 14 SWG with hinged door, handle, catchers and 2 coats of Approved paint, (Size 7'x6'x18") including Incoming				
11	N.S	Main MCCB (Adjustable Thermal-Magnetic/Electronic Trip 60/100%) 3-P, 1250 A (70KA) 1.00 No, For DB-N (Main MCCB Adjustable Thermal-Magnetic/Electronic Trip 60/100%) 3-P, 630A (70KA) 1.00 No and distribution MCCB 3-P, 100A (36KA) 16.00 Nos) & for DB-E (Main MCCB Adjustable Thermal-Magnetic/Electronic Trip 60/100%) 3-P, 400A (50KA) 1.00 No and distribution MCCB 3-P, 63A (7.5KA) 16.00 Nos) respectively, Digital Volt, Selector switches, LED Phase lights, Earthing bar and any accessories required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Legrand, GE,Schneider, Siemens, Terasaki, ABB or equivalent)(Copper Busbar TP-N will be paid separately via MRS item as per measurement at site)	2.00		Each	
		Supply, installation, connection & commissioning of distribution boards, (Sub Main DB-E), Recessed type Wall mounted design, made of M.S. Sheet 18 SWG with hinged glass door, handle, and 2 coats of Approved paint, (Size 18"x24") including Incoming Main Molded Case Circuit Breaker of 3-P, 63 A (7.5 KA) 1.00 No, Distribution Miniature Circuit Breaker of 1-P, 6~40 A (6KA) 18.00 Nos, LED phase light volt meter type (RYB), Earthling bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Legrand, GE,Schneider, Siemens, Terasaki, ABB or equivalent).	26.00		Each	
12	N.S	Supply, installation, connection & commissioning of				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
13	N.S	distribution boards, (Sub Main DB-N), Recessed type Wall mounted design, made of M.S. Sheet 18 SWG with hinged glass door, handle, and 2 coats of Approved paint, (Size 18"x24") including Incoming Main Molded Case Circuit Breaker of 3-P, 100A (25 KA) 1.00 No, Distribution Miniature Circuit Breaker of 1-P, 6~40A (6KA) 24.00 Nos, LED phase light volt meter type (RYB), Earthling bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Legrand, GE,Schneider, Siemens, Terasaki, ABB or equivalent).	26.00		Each	
		Providing and Laying earthing for Electric Machines I/c boring up to moisture level (up to 60' below ground level) 4" i/d including copper strip 14" x 2" x 1/4" (350 x 50 x 6 mm) connecting with 1 Nos.bare copper wire of No.8 SWG to be run in PVC pipe 20mm i/d, 1¼" i/d GI pipe 5' long, GI tee & plug for watering also includes common salt, Lime (slaked) & charcoal around copper strip I/c connecting with Electric machine. Complete in all respects as approved and as directed by the engineer incharge.	8.00		Each	
23	N.S	<b>FIRE ALARM SYSTEM</b> <b>FIRE ALARM CABLE</b> Supply, Installation and commissioning of wiring for FACP Power from respective DB to Fire Alarm FACP with 3C, 2.5 Sq.mm with drain wire, Fire Resistant Shielded Cable (Fire Rating for 2 hours) in prelaid conduit from preliad Conduit. Make Delpro (UK), B Belden as approved by consultants, Complete in all respect	150.00		Per Rft	
24	N.S	Supply, Installation and commissioining of wiring for FACP to Fire Alarm System as per drawing wired with 2C, 1.5 Sq.mm with drain wire, Fire Resistant Shielded Cable (Fire Rating for 1 hours) in prelaid conduit from fire Alarm Control Panel to all Smoke Detector/ Heat Detector / Sounder & Maunal Devices, Devices upto 180 units in one Loop, including all installation accessories.Make Delpro (UK) / Belden/ Covican (Italy) or approved equilvent approved by consultants, Complete in all respect	7580.00		Per Rft	
25	N.S	Supply, installation and connecting of non-addressable manual call stations press glass type with test dey, suitable for surface or flush mounting Model DL-MCP-1010 make Delpro (UK), or Honeywell (Esser) including cost of all other accessories as required All equipped as per specifications, complete in all respects.	20.00		Each	
26	N.S	Supply, installation and connections of Non- Addressable Type Indoor Loop Powered electronic Sounder/ Buzzer Model DL-BZ-1121 and minimum sound output 100dB at 1 meter with frequencies for variety of sounds as required. make Delpro (UK) or Honeywell (Esser) including cost of all other accessories as required. All equipped as per specifications, complete in all respects.	20.00		Each	
27	N.S	Supply, installation and connections of Supply, installation and connections of Non- Addressable Optical Smoke Detectors Model DL-SM-1221 incorporating an LED indication located in labyrinth with in the housing of the detector. Sensing unit. make Delpro (UK), or Honeywell (Esser) including cost of all other accessories as required. All equipped as per specifications, complete in all respects.	170.00		Each	
28	N.S	Supply, installation and connections of Non-Addressable Heat Detectors Model DL-HD-1225 incorporating an LED indication located in labyrinth with in the housing of the detector. Sensing unit. make Delpro (UK), or Honeywell (Esser) including cost of all other accessories as required. All equipped as per specifications, complete in all respects.	8.00		Each	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
29	N.S	Supply, installation and connecting of non-addressable fire alarm of following mentioned channel / zone. Separate bell alarming in each zone indication of point 48 to 72 hours power backup. Short/open circuit indications LED display / power fault, zone isolated test make Model DL-FAP-2414 or Honeywell (Esser) including cost of all other accessories as required. All equipped as per specifications, complete in all respects. as per NFPA-72/EN-54 12 Zone	1.00		Each	
30	N.S	Supply, installation, testing and factory fabricated of PVC / MS junction box 16 SWG duly painted with antirust paint and further two coats of enamelled paint of approved colour including cost of earth terminal making holes of all sides to pull Fire Alarm cables complete. 4"x7". manufactured by PEL, Technobuild, Ibbad Switchgear or Eqv.	1.00		Each	
					<b>Total</b>	

1	3/1-b	<b>External Electrical Work</b> Earthwork excavation underessed lead upto a single throw of Kassi, phaorah or shovel:- In ordinary soil.	9752.00		%o Cft	
2		Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG. 240 mm sq (37/0.114)	450.00		Per M	
3	24/105	Supply, insatllation, commissioning and testing of oil cooled type, Step down Power Transformer of specified rating,11/0.415 kV, i/c the cost of lifting hooks, thermometers, LT & HT bushing 5-steps, tap changer, imported double float buchholz relay, 2 earthing terminals, roller wheels, connecting terminals for cables M.S box on transformer in order to cover complete L.T side, all necessary materials required for connections on H.T & L.T side, rated voltage 11000/415/240 V impedance 6.25% or as specified by WAPDA/IEC system earth: Delta / Star, neutral solidly earthed, i/c Wapda testing charges,complete in all respects made of PEL, Siemens, as approved and directed by the Engineer Incharge <b>400 KVA</b>	2.00		Each	
					<b>Total</b>	
		<b>External Electrical (Non-Schedule)</b>				
1	N.S	Supply & Laying of 3-core, 120mm², XLPE/PVC/SWA/PVC, 8.7/15Kv Aluminum conductor cable i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Fast Cable or Equivalent)	350.00		Per M	
2	N.S	Supply and installation of 120mm², 3-core, 11-KV Termination Kit i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.(Raychem or Equavalent)	4.00		Each	
3	N.S	Supply & installation of 11-KV Dropout Fuse assemblies Set i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	2.00		Each	
4	N.S	Supply & Installation of 11KV Pin Insulator i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	6.00		Each	
5	N.S	Supply & installation of Creosoted Wooden cross arm on steel structure pole with galvanized steel bracing & bolts i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	4.00		Each	
					<b>Total</b>	

Work No.02

The Islamia University of Bahawalpur

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

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

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
2	26/43	structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in ordinary soil	77444.00		%o Cft	
		Spraying anti termite proofing by using liquid FMC Biflex 2.5%EC Mixing Ratio 1:50=137-Sft or using liquid MIRAGE Ali Akbar /RANGERS Auriga 5% SC Mixing Ability-HEXTAR Ratio 1:110=205-Sft or any other equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge	45998.00		Per Sft	
3	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1:4:8	3750.00		% Cft	
4	6/11	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars)				
		i) Deformed bars (Grade-60)	205000.00		% Kg	
5	6/6	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- using harrow sand				
		i) Type B (nominal mix 1: 1½: 3)	18580.00		Per Cft	
6	6/6 a-i	Reinforced cement concrete in roof slab, beams,columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ complete in all respects:using harrow sand				
		i) Type B (nominal mix 1: 1½: 3)	34101.00		Per Cft	
7	3/15	Filling, watering & ramming earth under floors:- with surplus earth from foundation, etc.	26496.00		%o Cft	
		ii) with new earth excavated from outside,lead upto 1/4 mile	408000.00		%o Cft	
8	7/5	Pacca brick work in ground floor:- cement, sand mortar:-				
		i) Ratio 1:5	28640.00		% Cft	
9	7/4	ii) Ratio 1:3	2078.00		% Cft	
		iii) First Floor Ratio 1:5 cement sand mortor	25473.00		% Cft	
10	6/35	iv) First Floor Ratio 1:3 cement sand mortor	2073.00		% Cft	
		v) Second Floor Ratio 1:5 cement sand mortor	4019.00		% Cft	
11	11/10	Pacca brick work in foundation and plinth in:- cement sand mortor Ratio 1:6	6000.00		% Cft	
		Providing and laying damp proof course of cement concrete 1:2: 4 (using cement, sand and shingle), including bitumen coating:- with 2 coats of bitumen: 1½" thick (40 mm)	300.00		% Sft	
12	11/11	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only,				
		i) upto 20' height. 1:3	35363.00		% Sft	
13	7/30	ii) Above 20' height	35363.00		% Sft	
		Cement plaster 1:5 upto 20' (6.00 mm) height:-				
14	6/2	i) ½" (13 mm) thick	80720.00		% Sft	
		ii) Above 20' height 1/2" thick 1:5	32887.00		% Sft	
15	9/5	iii) 3/4" (20 mm) thick upto 20' height	61268.00		% Sft	
		iv) Above 20' height 3/4" thick 1:5	20433.00		% Sft	
16	7/30	Supplying and filling sand under floor; or plugging in wells.	12405.00		% Cft	
		Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.	18039.00		% Cft	
17	9/5	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof 'slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.mbitumen coating sand blinded. 2nd floor				
			31053.00		% Sft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
16	9/45	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation/ Foam Board on roof or walls, Density 32-38Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water obsorbtion (1% by volume, cell structure clored cell) i/c cutting and placing in position complete in all respect 2" Thick .....	31053.00		% Sft	
17	26/37	Supplying and laying polythene sheet over D.P.C. under 'floors and on roofs, etc. 500 gauge (.005" thick)	31053.00		Per Sft	
18	6/16	Providing and fixing ornamental cement jali 2" (50 mm) thick (1: 2: 4), without steel.	2046.00		Per Sft	
19	10/40	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels. 1.5x3/8	7763.00		Per Rft	
20	10/15	Providing and laying topping of cement concrete 1:2:4,including surface finishing and dividing in panels:- 1½"(40 mm) thick	10398.00		% Sft	
21	25/52	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 20 mm (4"x¾") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 2mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	5280.00		Per Sft	
22	25/53	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1- 1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	2850.00		Per Sft	
23	6/34	Providing and fixing theremopore (foamed polythene) sheet in horizontal and vertical expansion joints: 1½" thick thermopore sheet	3752.00		Per Sft	
24	13/31	Preparing surface and painting with emulsion paint:- 3 coats	198653.00		% Sft	
25	6/5	Cement concrete plain including placing, compacting finishing and curing complete (including screening and washing of stone aggregate): i) Ratio 1:2:4 ii) Ratio 1:4:8	225.00 7426.00		% Cft % Cft	

26	12/61	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by the Engineer Incharge. brass sliding bolt, 10" (250 mm) long	120.00		Each	
27	6/26	Providing and fixing 6 in(150 mm). wide curved sheet of required shape fixed on face of the construction joint with G.I.screw,1.5 in (40 mm) long to cover construction joints vertically:- G.I. sheet, 18 SWG	290.00		Per Rft	
28	12/50	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges, Painting charges, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.	3300.00		Per Sft	
29	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. (Lead 366 kms From Sargodaha (or approved quarry) to site of work)	55500.00		% Cft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
30	12/7	Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bolt,lock and chowkats (frame), etc.) as approved and directed by the Engineer Incharge- <b>Deodar Wood 2" thick (50 mm)</b> (for Main Door)	120.00		Per Sft	
31	25/36	Providing and fixing collapsible gate made of 2"x2"x¼" tee iron at top and bottom, channel iron 'verticals ¾"x¼"x¼"x1/8" (20x6x6x3 mm) at 3" (75 mm) to 5" (125 mm) centre to centre (approximate) and flat iron crosses 3"x3/16" (75x5 mm), and best quality rollers at bottom of 3" (75 mm) diameter including holdfasts, handles 12" (300 mm) long of ¾"x¼"x¼"x1/8" channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled, complete in working order.	75.00		Per Sft	
32	10/42	Providing and laying superb quality <b>Porcelain glazed tiles flooring</b> of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. <b>Full body Glazed tiles</b>  (ii) 600mmx 600 mm	57550.00		Per Sft	
33	10/43	Providing and laying superb quality <b>Porcelain glazed tiles</b> of Master brand, <b>skirting/dado</b> of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. (ii) 600mmx 600 mm	8500.00		Per Sft	
34	10/47	Providing and laying 3/4" thick full width Prepolished <b>Marble slab for Vanities</b> / Shelves / Treads/ <b>Window Cills</b> , having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortor i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge. China Verona	3500.00		Per Sft	
35	10/48	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carborandam disc as approved and directed by the Engineer Incharge.	1700.00		Per Rft	
36	10/49	Extra cost for making hole in Marble slab for fixtures, Sink,burners, basin Vanities i/c cost of bevelling of internal edge as approved and directed by the Engineer Incharge.	50.00		Each	
37	10/50	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed , complete in all respect as approved and directed by the Engineer Incharge ( <b>for podium, Stair steps, Risers</b> ) (i) 3/4" thick	1000.00		Per Sft	
38	10/24	Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	1958.00		Per Sft	
39	10/25	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge.  12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	7300.00		Per Sft	



Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
40	25/59	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (i) 3/8" Squar Bars	4600.00		Per Sft	
41	11/39	Preparing surface and applying Graffiato Weather Coating ( Co-polymer emulsion) of approved colour & shade with weather resistant pigment, highly water repellant with Metallic Spatula having top class finish by smoothing with a plastic Spatula, on a base coat (Primer) over well cleaned plastered surface complete in all respect as approved and directed by the Engineer Incharge.	52529.49		Per Sft	
42	25/64	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.	300.00		Per Sft	
43	12/62	Providing and fixing almirah shutter comprising of 3/4" thick both side Laminated/Glossy MDF (Karachi) sheet with 1"x3/4"deodar wood golla all around the leaf fixed on (3"x1") Kail wood frame i/c the cost of 1/2" full brass hinges, C.P.handles, catchers, screws, and rawal plugs, polishing/ paint ing 3 coat to gola & frame i/c the cost of locking arrangement complete in all respect as approved and directed by Engineer Incharge. <b>(for Floor Mounted Cabinet)</b>	1800.00		Per Sft	
44	12/58	Providing and fixing Vin board cabinet 3/4" thick with drawers 3"deep in 'Kitchen including termite proofing and polishing with synthetic enamel as specified, with handles hinges,screws etc., complete in all respects. <b>(for Wall Mounted Cabinet)</b>  1-1/2' deep,with back	200.00		Per Sft	
45	9/48	Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2'/2'x3'/ 3'x3'of specified design and thickness i/c cost of fixtures i.e galvanized angle 1" x 1" at wall sides, galvanized tee 1¼" x 1"and 1 ½" x 1" both at 4' c/c ( made of Taiwan CKM or equivalent), hanging with G.I/Copper wire 16 SWG, G.I hook, Rawal Plug etc: complete in all respects as approved and directed by the Engineer Incharge.  9 mm thick	20000.00		Per Sft	
46	12/60	Providing and fixing 2" wide MS Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock hole covered with MS Box,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge.  i) 10.50 " wide ii) 5.5 " wide	4000.00 420.00		Per Sft Per Sft	
47	12/67	Providing and fixing autotomatic hydraulic operated door closer imported heavy duty complete in all respect as approved and directed by the Engineer Incharge.	66.00		Each	
48	25/62	P/F Iron door comprising of specified leaves made of 1-1/4" x1-1/4" x3/16" MS angle iron for leaf frame, diagonal and horizontal braces duly welded with MS. sheet 18-SWG i/c the cost of sliding bolt, tower bolt and painting 3-coats but excluding the cost of Chowkat complete in all respect as approved and directed by the Engineer incharge. Double Leaf	120.00		Per Sft	
49	18/23	Providing and fixing M.S Grating comprising of Angle Iron frame size 1.50" x 1.50" x 3/16" and 1/2" square bars				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
50	12/43	duly welded @ 4" c/c, including painting charges etc complete in all respect.	60.00		Per Sft	
		Preparing surface and Lacquar polish to reveal wooden grains by application of multiple coats of wood sealer , sand papering with different no of sandpapers and Lacquar to make glossy surface finish i/c the cost of cotton, thinner, wood sealer complete in all respects as approved and directed by the Engineer Incharge. Matt Finish	250.00		Per Sft	
					<b>Total</b>	
1	N.S	<b>Civil Work (Non-Schedule)</b> P/F Handle Lock (Hiluke/DAF/Khas or equivalent) complete in all respect as approved by Engineer Incharge.	30.00		Each	
2	N.S	Providing & Fixing 1.50" thick uPVC flush door i/c PVC Chowkat of approved design and make, all hardware/ accessories chromium plated fitting, iron hinges with aluminum kick plate 22 SWG on both sides including chowkat and finger plate complete in all respect	735.00		P/Sft	
3	N.S	Providing & Fixing Looking Glass 5-mm thick best quality,complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.	120.00		P/Sft	
4	N.S	Providing and fixing Steel Floor Jali complete in all respect as per specification and as approved by the Engineering Incharge.	60.00		Each	
					<b>Total</b>	
1	24/3	<b>Electrical Work</b> Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries,and repairing surface, etc., complete with all specials. i) 3/4" i/d (20 mm) ii) 1" i/d (25 mm) iii) 1.50" i/d (40 mm) iv) 2" i/d (50 mm)	4500.00 6000.00 650.00 950.00		Per M Per M Per M Per M	
2	24/6 ii	Supply and erection of PVC pipe for recessed wiring main and submain) purpose, i/c bends, specials etc in floor, walls or trenches: 3" i/d (80 mm)	1000.00		Per M	
3	24/10	Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only). 250/440 volts, PVC insulated: i) 3/0.74 mm (3/0.029") ii) 7/0.74 mm (7/0.029") iii) 7/0.91 mm (7/0.036") iv) 7/1.12 mm (7/0.044") v) 7/1.63 mm (7/0.064") vi) 19/1.32 mm (19/0.052") vii) 19/1.63 mm (19/0.064")	24000.00 9000.00 5500.00 9000.00 1200.00 5600.00 5600.00		Per M Per M Per M Per M Per M Per M Per M	
4	24/13	Supply and erection of copper conductor cables for service connection, in prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable:- i) 7/1.63 mm (7/0.064") ii) 19/1.32 mm (19/0.052")	480.00 400.00		Per M Per M	
5	24/30	Supply and erection of ceiling rose, bakelite.	1500.00		Each	
6	24/103	P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge <b>a) One way Gange Switch</b> <b>Small</b> i) 02 Gange ii) 03 Gange iii) Three pin Light Plug 10/13 Amp iv) Fan Dimmer	10.00 10.00 400.00 120.00		Each Each Each Each	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
7	24/102	v) Three Pin Power Plug 15-32 Amp	180.00		Each	
		<b>Large</b>				
		i) 04 Gange	85.00		Each	
		ii) 05 Gange	50.00		Each	
8	24/96	iii) 06 Gange	140.00		Each	
		Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge.				
		<b>a) Plastic body</b>				
		i) 12" dia	55.00		Each	
		Supplying,Installation,testing and commissioning of 415-Volt ,4 Pole (TP+N) compact Copper Busway (Bus Tie Duct B.T.D) of specified size/rating comprising of 10 mm thick sandwich copper Bus bars,insulated with non- flammable/flame resistant resin applied at 130 OC by Automatic Electro- static				
1	N.S	application with Mayler Class-B, housed in Aluminium Housing i/c the cost of hangers, accessories,enclosures IP55, IEC 61439-1, complete in all respect,spaced to a minimum reducing reactance as approved & directed by the Engineer Incharge				
		(i) 400 Amp	3.00		Per Rft	
		(ii) 630 Amp	3.00		Per Rft	
		(iii) 1250 Amp	4.00		Per Rft	
2	N.S	(iv) 1600 Amp	5.00		Per Rft	
		<b>Electrical Work (Non-Schedule)</b>			<b>Total</b>	
		Supply & installation of LED 24W Down Light (Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Meson or Equivalent)	990.00		Each	
3	N.S	Supply & installation of LED 600 x 600mm Ceilling Panel Light 36W (220V~, CW or WW) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips RC0488 or Equivalent)	1350.00		Each	
4	N.S	Supply & installation of LED search light 100W (220V~, CW or WW) with fitting arrangement for installation on walls, parapet, pole or etc. i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips BVP 151 or Equivalent)	25.00		Each	
5	N.S	Providing & Fixing of LED Wall Light 15 Watt i/c any accessories (i.e. screw. Rawl plug or steel nail, etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge. (WL008C OVAL Philips)	60.00		Each	
6	N.S	Supply & installation of Wall Mounted LED Batten Light 20W (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Slimline or Equivalent)	80.00		Each	
7	N.S	Supply & installation of PVC Fan Box with iron bar i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (GM, Bita or equivalent)	120.00		Each	
8	N.S	Supply & installation of Ceiling Fans, 56" sweep (As per "Pakistan Energy Lable" certified manufacturers). i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	120.00		Each	
		Supply & installation of 2' x 2' False Ceiling Fan 18" swipe (99.99% Copper), remote controlled i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Royal, Super-asia or Equivalent)	150.00		Each	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
9	N.S	Supply & installation of Wall Bracket Fan 24" (99.99% Copper) i/c any accessories (i.e. mounting screws & etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Younis, Tamoor, Pakfan or Equivalent)	9.00		Each	
10	N.S	Supply, installation, connection & commissioning of Main distribution boards, (DBs), Floor Standing design, made of M.S. Sheet 14 SWG with hinged door, handle, catchers and 2 coats of Approved paint, (Size 7'x6'x18") including Incoming Main MCCB (Adjustable Thermal-Magnetic/Electronic Trip 60/100%) 3-P, 1250 A (70KA) 1.00 No, For DB-N (Main MCCB Adjustable Thermal-Magnetic/Electronic Trip 60/100%) 3-P, 630A (70KA) 1.00 No and distribution MCCB 3-P, 100A (36KA) 16.00 Nos) & for DB-E (Main MCCB Adjustable Thermal-Magnetic/Electronic Trip 60/100%) 3-P, 400A (50KA) 1.00 No and distribution MCCB 3-P, 63A (7.5KA) 16.00 Nos) respectively, Digital Volt, Selector switches, LED Phase lights, Earthing bar and any accessories required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Legrand, GE,Schneider, Siemens, Terasaki, ABB or equivalent)(Copper Busbar TP-N will be paid separately via MRS item as per measurement at site)	1.00		Each	
11	N.S	Supply, installation, connection & commissioning of distribution boards, (Sub Main DB-E), Recessed type Wall mounted design, made of M.S. Sheet 18 SWG with hinged glass door, handle, and 2 coats of Approved paint, (Size 18"x24") including Incoming Main Molded Case Circuit Breaker of 3-P, 63 A (7.5 KA) 1.00 No, Distribution Miniature Circuit Breaker of 1-P, 6~40 A (6KA) 18.00 Nos, LED phase light volt meter type (RYB), Earthling bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Legrand, GE,Schneider, Siemens, Terasaki, ABB or equivalent).	16.00		Each	
12	N.S	Supply, installation, connection & commissioning of distribution boards, (Sub Main DB-N), Recessed type Wall mounted design, made of M.S. Sheet 18 SWG with hinged glass door, handle, and 2 coats of Approved paint, (Size 18"x24") including Incoming Main Molded Case Circuit Breaker of 3-P, 100A (25 KA) 1.00 No, Distribution Miniature Circuit Breaker of 1-P, 6~40A (6KA) 24.00 Nos, LED phase light volt meter type (RYB), Earthling bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Legrand, GE,Schneider, Siemens, Terasaki, ABB or equivalent).	16.00		Each	
13	N.S	Providing and Laying earthing for Electric Machines I/c boring up to moisture level (up to 60' below ground level) 4" i/d including copper strip 14" x 2" x 1/4" (350 x 50 x 6 mm) connecting with 1 Nos.bare copper wire of No.8 SWG to be run in PVC pipe 20mm i/d, 1¼" i/d GI pipe 5' long, GI tee & plug for watering also includs common salt, Lime (slaked) & charcoal around copper strip I/c connecting with Electric machine. Complete in all respects as approved and as directed by the engineer incharge.	6.00		Each	
					Total	
1	19/23	<b>Plumbing Work</b> Providing and fixing BATHROOM ACCESSORIES (7-piece set) MASTER BRAND - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge. i) Plastic soap dish ii) Plastic toilet paper holder	68.00 30.00		Each Each	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
		iii) Plastic tower rail	10.00		Each	
		iii) Plastic shelf 60x13 cm (24:x5") with bracket and railing	15.00		Each	
		iv) Looking glass with plastic frame	14.00		Each	
2	19/1	Providing and fitting glazed earthen ware water closet European type, excluding seat and cover:- coloured	17.00		Each	
3	19/2	Providing and fixing, double seat and cover only. Bakelite	17.00		Each	
4	19/4	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. coloured	36.00		Each	
5	19/7	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.				
		i) white, with pedestal	6.00		Each	
		ii) Under Counter Vanity Basin	42.00		Each	
6	19/8	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe and waste coupling.	15.00		Each	
7	19/52	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open wall shower, Muslim shower,waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge.				
8	23/47	(i) 3 No Tee Stop Cock	40.00		Each	
		(ii) Lever Type Basin Mixer	42.00		Each	
		(iii) Double Bib Cock	17.00		Each	
		(iv) Muslim shower	17.00		Each	
		Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex /Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned).				
		<b>PN-20 pipe</b>				
		(i) (3/4") 25 mm	4000.00		Per Rft	
9	23/46	(ii) (1") 32 mm	3500.00		Per Rft	
		(iii) (1-1/4") 40 mm	1000.00		Per Rft	
		Providing and fixing <b>CP heavy duty brass Ball valve</b> with CP handle of specified diameter made of Faisal/Sonex / Master best quality or equivalent complete in all respect as approved and directed by the Engineer Incharge.				
10	19/47	i) 1" dia	40.00		Each	
		ii) 1-1/4" dia	30.00		Each	
		Providing, fixing, testing and commissioning of µ-PVC (Unplasticized polyvinyl Chloride ) Nikasi/ waste pipe make of dadex /Popular/Beta/BBJ plain /socket ended conforming to code EN-1401 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.				
11	19/49	<b>Type (SDR 41/SN-4)</b>				
		i) 3"(90 mm)	500.00		Per Rft	
		ii) 4"(110 mm)	5250.00		Per Rft	
		iii) 6" (160 mm)	2000.00		Per Rft	
		Providing, laying, testing and commissioning underground Yellow Polyethelene flexible gas pipe Tubing of required IPS(Iron Pipe Size) in the trenches , made of (Dadex/ Popular / Beta/ BBJ ) for Gas supply i/c the cost of solvent and specials complete as approved and directed by the Engineer Incharge.				
		<b>SDR-11</b>				
		(i) 1-1/4"	1000.00		Per Rft	
		(ii) 1"	800.00		Per Rft	
		(ii) 2"	500.00		Per Rft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
12	19/48	(ii) 1.50" Providing, fixing, testing and commissioning of µ-PVC (Unplasticized polyvinyl Chloride ) Nikasi/ waste pipe Fittings make of dadex /Popular/Beta/BBJ conforming to code EN-1401 ncluding the cost of Solvents complete in all respect as approved and directed by the Engineer Incharge.	700.00		Per Rft	
		(a) P-Trap				
		(i) 4" dia	150.00		Each	
		(b) Vent Cowel				
		(i) 3" dia	10.00		Each	
13	19/13	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete.	36.00		Each	
14	21/1	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete.				
		iii) 225 mm (9:) i/d	500.00		Rft	
15	19/27	Providing and fixing chromium plated bib cock:- 1.5 cm (½")	17.00		Each	
16	19/42	Providing and fitting chromium plated or oxidised, gas cock 6mm (1/4") Two way	5.00		Each	
					<b>Total</b>	
1	3/42	<b>External Plumbing Work</b> Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- 0 ft. to 7.0 ft. (0 to 2.10 m) depth	19340.00		%o Cft	
2	21/1	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete.				
		i) 225 mm (9") i/d	750.00		Per Rft	
		ii) 6" i/d	75.00		Per Rft	
3	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1:4:8	600.00		% Cft	
4	7/4	Pacca brick work in foundation & plinth:- cement, sand mortar:- Ratio 1:4	2250.00		% Cft	
5	11/9	Cement plaster 1:3 upto 20' (6.00 mm) height:- i) ¾" thick ii) ½" thick	2400.00 2427.00		% Sft % Sft	
6	3/44	Excavation of trenches in all kinds of soil, except cutting 'rock, for water supply pipe lines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, levelling the beds of trenches to correct grade and cutting pits for joints, etc	7650.00		%o Cft	
7	21/15A	Providing and fixing 6" thick R.C.C. manhole cover with tee shaped C.I. frame of 22" l/d (frame weighing 37.324 Kg. or one maund as per Standard Drawing STD/PD No. 6, of 1977, complete in all respect.	41.00		Each	
8	6/51A	Providing and fixing precast Edge Kerb Stone (4"to 6" thick), of 3500 PSI Compressive Strength, embeded in PCC 1:2:4 over lean concrete 1:4:8 etc complete in all respect. A) Without Painting (i) 14" high	3000.00		Rft	
9	24/42	Making connection for new watersupply lines with the running main, including excavation of trench and refilling, complete,				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
10	23/43	but excluding cost of pipe and specials, etc. Diameter of running main: i) upto 6" i/d (150 mm) ii) upto 8" i/d (200 mm)	2.00 5.00		P.Con P.Con	
		Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working presure pipe in trenches. complete in all respects PN-10 (SDR-17) 3" (90mm)	500.00		Per Rft	
		<b>External Civil Work</b>			<b>Total</b>	
1	7/30	Supplying and filling sand under floor; or plugging in wells.	2400.00		% Cft	
2	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1:4:8	3336.00		% Cft	
3	10/3	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects. ....MRS 10/3	899.00		% Cft	
4	10/41	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope. Complete in all respect. (50% Grey / 50% Coloured) 60mm thick	21000.00		Per Sft	
5	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	225.00		% Cft	
6	6/6	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Type C (nominal mix 1: 2: 4)	188.00		Per Cft	
					<b>Total</b>	
		<b>External Electrical Work</b>				
1	3/1-b	Earthwork excavation underessed lead upto a single throw of Kassi, phaorah or shovel:- In ordinary soil.	4500.00		%o Cft	
2		Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG. 240 mm sq (37/0.114)	200.00		Per M	
3	24/105	Supply, insatllation, commissioning and testing of oil cooled type, Step down Power Transformer of specified rating,11/0.415 kV, i/c the cost of lifting hooks, thermometers, LT & HT bushing 5-steps, tap changer, imported double float buchholz relay, 2 earthing terminals, roller wheels, connecting terminals for cables M.S box on transformer in order to cover complete L.T side, all necessary materials required for connections on H.T & L.T side, rated voltage 11000/415/240 V impedance 6.25% or as specified by WAPDA/IEC system earth: Delta / Star, neutral solidly earthed, i/c Wapda testing charges,complete in all respects made of PEL, Siemens, as approved and directed by the Engineer Incharge <b>400 KVA</b>	1.00		Each	
					<b>Total</b>	
		<b>External Electrical (Non-Schedule)</b>				
1	N.S	Supply & Laying of 3-core, 120mm², XLPE/PVC/SWA/PVC, 8.7/15Kv Aluminum conductor cable i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Fast Cable or Equivalent)	160.00		Per M	
2	N.S	Supply and installation of 120mm², 3-core, 11-KV Termination Kit i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.(Raychem or Equavalent)	2.00		Each	
3	N.S	Supply & installation of 11-KV Dropout Fuse assemblies Set i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	1.00		Each	
4	N.S	Supply & Installation of 11KV Pin Insulator i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	3.00		Each	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
5	N.S	Supply & installation of Creosoted Wooden cross arm on steel structure pole with galvanized steel bracing & bolts i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	2.00		Each	
					Total	

Work No.03

The Islamia University of Bahawalpur

Construction of New Academic Block at Bahawalnagar Campus

Estimate

MRS January 2022 to June, 2022 BWN

Sr. No.	Ref.	Description	Quantity	Rate	Unit	Amount
1	3/21.A ii	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead 'upto one chain (30 m) and lift upto 5 ft. (1.5 m) By Manual. In ordinary soil.	61202.17 Cft		% Cft	
2	26/42	Spraying anti termite proofing by using liquid FMC Biflex 2.5%EC Mixing Ratio 1:50=137-Sft or using liquid MIRAGE Ali Akbar /RANGERS Auriga 5% SC Mixing Ability-HEXTAR Ratio 1:110=205-Sft or any other equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge.	76466.96 Sft		P/ Sft	
3	26/37-ii	Supplying and laying polythene sheet over D.P.C. under 'floors and on roofs, etc. 500 gauge (.005" thick)	117465.10 Sft		Per Sft	
4	6/2	Dry rammed brick or stone ballast 1.5" to 2"guage	26233.37 Cft		% Cft	
5	6/5-i	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1:4:8	8181.67 Cft		% Cft	
	6/5-f	ii) Ratio 1:2:4	12482.61 Cft		% Cft	
6	6/11-c	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) i) 60-Grade	230529.87 Kg		% Kg	
	6/11-b	ii) 40-Grade	16500.00 Kg		% Kg	
7	6/6-aiii-2b	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects i) Type B (nominal mix 1: 1½: 3)	24888.00 Cft		Per Cft	
	6/6-aiii-3c	ii) Type C (nominal mix 1: 2: 4)	379.88 Cft		Per Cft	
8	9/12	Two coats of bitumen laid hot using 34 lbs. per %Sft, or 1.72 Kg per square meter over roof and blinded with sand at one Cft. per %Sft. (0.003	35879.00		% Sft	



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

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
19	11/9c+11/28	ii) Upto 20' to 30' heights	Sft			
		3/8" thick cement plaster under soffit of RCC roof slabs Ratio 1:3 upto 20' height	11417.58 Sft		% Sft	
20	11/10-b	i) Ground Floor	31455.29 Sft		% Sft	
	11/10-b +11/28	ii) First Floor	31675.15 Sft		% Sft	
21	7/21-ii	First class brick walling laid in 1:3 cement sand mortar, reinforced with 1" (25 mm) wide 18 gauge hoop iron:- 4½" (113 mm) thick walling with hoop iron, bonding 12" (300 mm) apart. i) Ground Floor +1st Floor	10719.21 Sft		% Sft	
22	9/45c	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation/Foam Board on roof or walls,Density32-38Kg/M,compressive strength250-400kpa,R-value 5 per inch thickness and water absorption (1% by volume, cell structure colored cell) i/c cutting and placing in position. complete in all respect. 2" thick	27779.84		% Sft	
23	9/5.	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof 'slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.mbitumen coating sand blinded.	27779.84		% Sft	
24	6/3b	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1: 4: 8	2670.13 Cft		% Cft	
25	25/35	Providing and fixing terrace railing of 2" (50 mm) i/d conduit pipe 16 SWG, welded with 5/8"x5/8" (16x16 mm) square bar 2.75 ft. (838 mm) high fixed at 5" (125 mm) centre to centre, in reinforced cement concrete slab with suitable arrangement, complete in all respects, as per design and drawing.	701.00 Rft		P/Rft	
26	25/39	Providing and fixing stair railing of 2½" (63 mm) i/d G.I. pipe, welded with 5/8"x5/8" (16x16 mm) square M.S. bars 2'-9" (838 mm) high, fixed in each step, complete in all respects, including painting, polishing three coats.	350.22 Rft		P/Rft	
27	3/42-i	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- 0 ft. to 7.0 ft. (0 to 2.10 m) depth	16518.84 Cft		%o Cft	
28	10/40-a	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels. Size 1½" x 3/8" (40 x 10 mm)	2622.00 Rft		P/Rft	
29	10/15-c	Providing and laying topping of cement concrete 1:2:4,including surface finishing and dividing in panels:- 1½"(40 mm) thick	9573.00 Sft		% Sft	
30	13/31	Preparing surface and painting with emulsion paint:- new surface 3 coats	179344.09 Sft		% Sft	
30	7/4-i	Pacca brick work in foundation and plinth in:- cement, sand mortar:-Ratio 1:3	8011.55 Sft		% Sft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
31	21/9	Extra for making and finishing benching floor manhole chamber, with 1/8" thick work in cement finish	108.42 Sft		% Sft	
32		Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including erection in position.				
	25/10+25/11		16381.50 Kg		% Kg	
33	13/5-ci+ii+ii	Preparing surface and painting of doors and windows any type (including edges):- new surface 3 coats	310.94 Sft		% Sft	
34	12/61-B-ii	P/F3/4"dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by the Engineer Incharge. i) Brass ,12" (300 mm) long	111.00 No		Each	
	12/61-B-i	ii) 10" (250 mm) long	103.00 No		Each	
35		Second class tile roofing consisting of 4" (100 mm) earth and 1" (25 mm) mud plaster with Gobri leaping over ½" (13 mm) thick cement plaster 1:6 with 34 lbs. per %Sft or 1.72 Kg/sq.m of hot bitumen coating sand blinded, provided over one layer of 12"x6"x2" (300x150x50 mm) tiles laid in 1:6 cement mortar, including 1:2 cement pointing underneath of tiles complete including curing, etc.				
	9/2		930.06 Sft		% Sft	
36	9/15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	35.00 No		Each	
37	6/34.a	Providing and fixing thermopore (foamed polythene) sheet in horizontal and vertical expansion joints: 1" (25 mm) thick thermopore sheet	1536.00 Sft		Per Sft	
38	6/26-ii	Providing and fixing 6 in(150 mm). wide curved sheet of required shape fixed on face of the construction joint with G.I.screw,1.5 in (40 mm) long to cover construction joints vertically:- G.I. sheet, 18 SWG	1212.68 Rft		Per Rft	
39	10/41.b	Providing and laying Tuffpavers, 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	11423.00 Sft		Per Sft	
40	13/32.A,i+ii	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: new surface, 3 coats	46004.83 Sft		% Sft	
41	10/42.a.ii	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed tiles. 600mm x 600 mm	57512.97 Sft		Per Sft	
42	25/59.i	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. ( a) 3/8" Squar Bars	4473.92 Sft		Per Sft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
43	25/56.	Providing and fixing 2 mm thick Double glazed aluminium windows of anodized bronze colour partly fixed and party sliding using deluxe section of 100mm x 40mm x2 mm using frame (70501) at bottom, (70502) at Top & Side made of Pakistan Cables/Alcop having Leaf Frame size 31mm x 60mm x2 mm (70506) at Top & Bottom, 35mm x 60mm x2 mm (70505) at center and 35mm x 60mm x2 mm(70503) at sides , fixing 5 mm thick imported tinted double glass and air tight using double tape, chemical strips, Silicon using approved latches, wheels for channel, stopper, brush channel angle joint and hardware etc. ( excluding the cost of Fly Proofing). Complete in all respect as approved and directed by the Engineer Incharge.	4473.92 Sft		Per Sft	
44	25/53.	Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour/powder coated of size 1- 1/2"x1/2" and 1.6 mm thick with rubber gasket i /c cost of Hardwares as approved and directed by the engineer incharge complete in all respect.	2236.96		Per Sft	
45	12/8.ii	P/F1½" (40mm) thick semi solid panelled or panelled and glazed doors comprising of solid wood styles and rails of specfied width and panels of 2.5mm thick veneer ply mtching with wood used with grooves,pasted on both sides of 1"thick Lasani wood panel with tapered edges i/c the cost of tower bolt,handles complete in all respect (Excluding the cost of chowkat frame ,sliding bolt and lock) as approved and directed by Engineer Incharge.Oak/Ash Wood	4306.00 Sft		Per Sft	
46	10/24.i	Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as perapproved design with adhesive bond, over 3/4" thick(1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge.12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	2804.00 Sft		Per Sft	
47	10/25.i	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy/Matt/Texture skirting / dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cemen tplaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge.12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	8620.00 Sft		Per Sft	
48	6/30.	Providing embedding 10" (250 mm) wide ¼" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.	350.00 P/Rft		Per Rft	
49	10/50.i	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed ,complete in all respect as approved and directed by the Engineer Incharge.3/4" thick	1742.00 Sft		Per Sft	
50	10/48.	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carbor and amdisc as approved and directed by the Engineer Incharge.	450.00 Rft		Per Rft	
51	9/48.ii	Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2'/2'x3'/3'x3' of specified designand thickness i/c cost of fixtures i.egalvanized angle1"x1"at wall sides,galvanized tee 1¼"x1" and 1½"x1" both at 4' c/c (made of Taiwan CKM or equivalent) ,hanging with G.I /Copper wire16SWG ,G.I hook, Rawal Plug etc:complete in all respects as approved and directed by the Engineer Incharge.7.5mm thick	2500.00 Sft		Per Sft	
		<b>Civil Work (Non Shedule Item)</b>			<b>Total</b>	
1	NS	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.	350.00 Sft		Per Sft	
2	NS	Construction of Fiber Glass 3/4" thick Dom on already prepared rigid circular base of 1st Floor as per drawing & approved by the Engineer Incharge.	1350.00 Sft		Per Sft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
3	NS	Extra labour & cost for Preparation of cemented pastered surface for emulsion paint with application of wall putty (Berger,Master, ICI) after rubbing and finishing of surface complete in all respects as approved by the Engineer Incharge.	179344.09 Sft		P/Sft	
4	NS	Providing & Fixing Cabinet consisting of lamination board 3/4" thick for leaves, kail wood frame 2.50" x 1", Gola for 'leaf 3/4" x 3/4" including sprit polish for gola complete in all respects as per design, drawing & pattern as approved by the 'engineer Incharge (Down portion)	150.00 Sft		Per Sft	
5	NS	Providing & Fixing Cabinet upper portion consisting of lamination board 3/4" thick box and leaves, Partal wood frame 3" x 1", Gola for 'leaf 3/4" x 3/4" including siprit polish for gola complete in all respects as per design, drawing & pattern as approved by the Engineer Incharge	150.00 Sft		Per Sft	
6	NS	Providing and using Sulphate Resistant Cement (S.R.C) instead of Ordinary Portland cement (O.P.C). Difference of S.R.C and O.P.C in bags	7890.86 Bags		P/Bag	
7	NS	Providing & Fixing uPVC door 1.25" thick wooden colour i/c hinges kik plate, door handle with locking arrangement complete in all respects.	1067.50 Sft		Per Sft	
8		Subsequent carriage of crushed stone aggregate total distance from Sargodha to Bahawalnagar IUB Campus at site of work average 278 KM	110912.56 Cft		%Cft	
					Total	
1		<b>Electrical Work (Schedule Items)</b> Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries,and repairing surface, etc., complete with all specials.				
	24/3-i	i) 3/4" i/d (20 mm)	24509.57 Rft		Per Rft	
	24/3-ii	ii) 1" i/d (25 mm)	37547.33 Rft		Per Rft	
	24/3-v	iii) 1.5" i/d (40 mm)	10500.00 Rft		Per Rft	
	24/3-vi	iv) 2" i/d (50 mm)	1550.00 Rft		Per Rft	
2		Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only). 250/440 volts, PVC insulated:				
	24/10-ii	i) 3/0.91 mm (3/0.036")	79851.00 Rft		Per Rft	
	24/10-iii	ii) 7/0.74 mm (7/0.029")	38314.00 Rft		Per Rft	
	24/10-iv	iii) 7/0.91 mm (7/0.036")	18649.00 Rft		Per Rft	
	24/10-v	iv) 7/1.12 mm (7/0.044")	11800.00 Rft		Per Rft	
3		Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 660/1100 volts grade cable, in prelaid G.I. pipe/M.S. conduits/ PVC pipe/G.I. wire/trenches, etc (rate for cable only)				
	24/12-iii	i) 35 mm sq (19/0.064")	5280.00 Rft		Per Rft	
	24/12-i	ii) 16 mm (7/0.064")	14750.00 Rft		Per Rft	
	24/12-iv	iii) 70 mm (19/0.083")	3008.00 Rft		Per Rft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
4	24/13-d	Supply and erection of copper conductor cablesfor service connection, in prelaid pipe/G.I.wire/trenches, etc. (rate for cable only):- PVCinsulated, PVC sheathed 4 core 660/1100 voltgrade cable, armoured with G.I. wire 16 SWG.120 mm (37/0.083")	200.00 Meter		Per M	
5	24/13-c.vii	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core, 660/1100 volt non armored cable:- 7/1.63 mm (7/0.064")	1250.00 Rft		Per Rft	
6	24/39-i	Supply and erection of button holder.bakelite large size	1092.00 No		Each	
7	24/30	Supply and erection of ceiling rose, bakelite.	36.00 No		Each	
8	24/91.i,b,iv	P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity ,Door Earthing, Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).3.00 Ft deep 2500~3200A (2.5'x7'x3')	1.00 No		Each	
9		P/F ACB (Air Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/ABB SWITZERLAND in prelaid Panels i/c the cost of screws,necessary wire complete in all respect as approved and directed by the Engineer InchargeTripple Pole.				
10	24/89.a,iii	i-1600 Amp(65 KA) Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. There Pole	1.00		Each	
	24/87.a.x	i-300-630 Amp(36 KA)	1.00		Each	
11	24/87.a.vi	ii-125-250Amp(25KA) Providing and fixing DB/Panel accessories of required rating and size i/c copper screws of approved brand Complete in all respect as approved and directed by the Engineer Incharge.	18.00		Each	
	24/94 i	Selector Switch	1.00		Each	
	ii	Current Transformer Coil (Make: Metelx/Fico)	1.00		Each	
	iii	Digital Voltmeter (0-600 Volt)	1.00		Each	
	iv	Digital Ammeter (0-9999 Amp)	1.00		Each	
	v	LED Phase Indicator	1.00		Each	
	vi	Push Button ON/OFF (Make: Schneider/Himal/Eqv.)	1.00		Each	
	vii	Auxiliary Contactor. (Make: Schneider/ Terasaki/ABB)	1.00		Each	
	viii	Control MCB S/P 6A (Make: Schneider/ Terasaki/ABB)	1.00		Each	
	xi	Exhaust Fan with Louvers (Make: Imported/Plastim)	1.00		Each	
	xii	Temperature Regulator 0~60C	1.00		Each	
	No					
12	24/90-a.ii	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).75~100A (30"x22"x6")	12.00 No		Each	
13	24/87-a-ii	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. There Pole 15-100 Amp (10 KA,15KA)	12.00		Each	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
14	24/86-a-ii	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.6-40 Amp (6 KA)	288.00 No		Each	
15	24/103.a	P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge <b>One way Gange Switch</b> <b>Small</b> 03 Gange Three pin Light Plug 10/13 Amp Fan Dimmer Three Pin Power Plug 15-32 Amp <b>Large</b> 04 Gange 05 Gange 06 Gange <b>Two way Gange Switch small</b> 03 Gange 04 Gange	56.00 65.00 360.00 128.00  56.00 56.00 56.00  12.00 12.00		Each Each Each Each  Each Each Each  Each Each	
16	24/102.a.ii	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. <b>Plastic body 12 " dia</b> <b>Steel body</b> <b>18" sweep</b>	12.00  8.00		Each  Each	
					<b>Total</b>	
1	N.S	<b>Electrical Work (Non-Schedule)</b> Providing & Fixing Fan hook popular or equilant quality with PVC fan hook cover sheet 8" dia	360.00 No		Each	
2	NS	Supply & installation of LED 2'x 2' Ceiling Panel Light 40W (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips RC09led 40S/865 or Equivalent)	126.00 No		Each	
3	NS	Supply & installation LED flood light 100 watt Philips quality including casing bracket, hanging arrangement complete in all respects as approved by the Engineer Incharge.	24.00 No		Each	
4	NS	Supply & installation of LED 24 W Down Light (Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Essential or Equivalent)	600.00 No		Each	
5	NS	Supply & installation of Strip (Patti) with 20W Led tube rod (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips or Equivalent)	600.00 No		Each	
6	NS	Supply & installation of Metal Body Wall Bracket Fan 24" (99.99% Copper) i/c any accessories (i.e. widing of mounting holes and 4.00nos of rawl bolts ¼" etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (SK mega or Equivalent)	48.00 No		Each	
7	NS	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)	64.00 No		Each	
8	NS	Supply & installation of Ceiling Fan 56" (99.99% Copper) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Younis-Deluxe, Tamoor-Deluxe, Pakfan-Deluxe , SK or Equivalent)	360.00 No		Each	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
9	NS	Providing and Laying ear thing for Electric Machines I/c boring up to moisture level (up to 60' below ground level) 4" i/d including copper strip 14" x 2" x 1/4" (350 x 50 x 6 mm) connecting with 1 Nos.bare copper wire of No.8 SWG to be run in PVC pipe 20mm i/d, 1¼" i/d GI pipe 5' long, GI tee & plug for watering also includes common salt, Lime (slaked) and charcoal around copper strip I/c connecting with Electric machine. Complete in all respects as approved and as directed by the Engineer Incharge.	20.00 No		Each	
					<b>Total</b>	
<b><u>Plumbing Work (Schedule Items)</u></b>						
1	19/4.ii	Providing and fitting glazed earthen ware water closet, squatter type (Orissa pattern), combined with foot rest. <b>Colored</b>	40.00 No.		Each	
2	19/7.i	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. ii) colored, with pedestal	56.00 No.		Each	
3	19/27ii	Providing and fixing chromium plated bib cock:- ii) '1.5 cm (½")	52.00 No.		Each	
4	19/13.i	Providing and fitting plastic made low down flushing cistern 13.63 liter (3 gallons) capacity, including bracket set, copper connection, etc. complete. ii) colored	40.00 No.		Each	
5	19/8.	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe and waste coupling.	4.00 No.		Each	
6	19/28.	Providing and fixing chromium plated tee stop cock '15mm (½").	144.00 No.		Each	
7	19/11.	Providing and fixing glazed earthen ware flat back urinal.	24.00 No.		Each	
8	19/24.ii	Providing and fixing chromium plated pillar-cock, heavy:- ii) '1.5 cm (1/2")	56.00 No.		Each	
9	19/30.	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	4.00 No.		Each	
10	23/47.bii	Providing, laying, testing and commissioning of POLY PROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex/Popular/Beta/BBJ) with specified pressurerating PN (PRESSURE NOMINAL) and conforming to DIN 8077-8078 code i/c cost of solvent, specials ,making jharries complete in all respectas approved and directedby Engineer Incharge.(Internal/External Diameters mentioned).  <b>PN-20 pipe</b> ii)(3/4") 25 mm iii)(1") 32 mm vi)(2") 63 mm	950.00 2650.00 1050.00 Rft		P/Rft P/Rft P/Rft	
11	19/18.	Providing and fixing, chromium plated toilet paper holder.	4.00		Each	
12	19/23.	Providing and fixing BATHROOM ACCESSORIES (7-piece set) MASTER BRAND - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge  Plastic soap dish Plastic toilet paper holder Plastic tower rail Looking glass with plastic frame	16.00 16.00 16.00 16.00		Each Each Each Each	
13	21/1.iii	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete. 9" i/d	2300.00		P/Rft	



Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
14	19/47.	Providing ,fixing testing and commissioning of μ-PVC (Unplasticized polyvinyl Chloride) Nikasi /waste pipe make of dadex /Popular /Beta/BBJ plain/ socket ended conforming to code EN-1401 of specified SDR (Standard Dimension Ratio) including thecost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.Type (SDR 32.5/SN-8) 4"(110 mm)	Rft			
15	19/3.	Providing and fitting European Coupled set of Water Closet (WC) and flushing Cistern of PORT Abr and (full size) i/c thecost of CP /rubber connection ,thimble ,seat cover and rawal bolts complete in all respects asapproved and directed by the Engineer Incharge.	2758.00 Rft		P/Rft	
16	19/50.	Providing and fixing 1/2" dia Muslim Shower of Fasial /Master comprising of 1/2 "diaone-meter long rubber /CP felexible pipe and hand showers etc omplete in all respects as approved and directed by the Engineer Incharge.	22.00		Each	
17	19/48.	Providing, fixing, testing and commissioning of μ-PVC (Unplasticized polyvinyl Chloride) Nikasi /wastepipe Fittings make of dadex /Popular /Beta/ BBJ conformingto code EN-1401 including thecost of Solvents complete in all respect as approved and directed by the Engineer .Incharge.	22.00		Each	
		P-Trap 4" dia	176.00		Each	
		Multi-Trap 4" dia	22.00		Each	
		Vent Cowel 4" dia	28.00		Each	
					<b>Total</b>	
1	N.S	<b><u>Plumbing Work (Non Schedule)</u></b> Providing & Fixing looking glass 5 mm thick best quality including aluminum frame 2'x1' complete in all respects	150.00 Sft		Per Sft	
2	N.S	Providing & fixing floor trap Jali Stainlessteel complete in all respect and as approved by the Engineer Incharge.	52.00 No		Each	
3	N.S	Providing & Fixing Floor trap jali plastic colored complete in all respects	40.00 No		Each	
					<b>Total</b>	

Work No.04

The Islamia University of Bahawalpur

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

Civil Work

MRS Jan to Jun, 2022

No	Reff	Description	Quantity	Rate	Unit	Amount
1	3/21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in ordinary soil	44500.00		%o Cft	
2	26/43	Spraying anti termite proofing by using liquid FMC Biflex 2.5%EC Mixing Ratio 1:50=137-Sft or using liquid MIRAGE Ali Akbar /RANGERS Auriga 5% SC Mixing Ability-HEXTAR Ratio 1:110=205-Sft or any other equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge	27950.00		Per Sft	
3	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1:4:8	3750.00		% Cft	
4	6/11	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) i) Deformed bars (Grade-60) ii) Deformed bars (Grade-40)	104200.27 16876.21		% Kg % Kg	
5	6/6	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i)				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
		above not requiring form work (i.e. horizontal shuttering) complete in all respects:- using harrow sand i) Type B (nominal mix 1: 1½: 3) ii) Type C (nominal mix 1: 2: 4)	10585.00 975.00		Per Cft Per Cft	
6	6/6 a-i	Reinforced cement concrete in roof slab, beams,columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ complete in all respects:using harrow sand i) Type B (nominal mix 1: 1½: 3) ii) Type B (nominal mix 1: 1½: 3) (First Floor)	21115.00 2000.00		Per Cft Per Cft	
7	3/15	Filling, watering & ramming earth under floors:-				
i)		with surplus earth from foundation, etc.	16496.00		%o Cft	
ii)		with new earth excavated from outside,lead upto 1/4 mile	168000.00		%o Cft	
8	7/5	Pacca brick work in ground floor:- cement, sand mortar:- i) Ratio 1:5 ii) Ratio 1:3 iii) First Floor Ratio 1:5 cement sand mortor	16640.00 2078.00 2500.00		% Cft % Cft % Cft	
9	7/4	Pacca brick work in foundation and plinth in:- cement sand mortor Ratio 1:6	4000.00		% Cft	
10	6/35	Providing and laying damp proof course of cement concrete 1:2: 4 (using cement, sand and shingle), including bitumen coating:- with 2 coats of bitumen: 1½" thick (40 mm)	300.00		% Sft	
11	11/10	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, i) upto 20' height. 1:3	35663.00		% Sft	
12	11/11	Cement plaster 1:5 upto 20' (6.00 mm) height:- i) ½" (13 mm) thick ii) Above 20' height 1/2" thick 1:5	48500.00 7500.00		% Sft % Sft	
		iii) 3/4" (20 mm) thick upto 20' height iv) Above 20' height 3/4" thick 1:5	33260.00 8500.00		% Sft % Sft	
13	7/30	Supplying and filling sand under floor; or plugging in wells.	8950.00		% Cft	
14	6/2	Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.	9500.00		% Cft	
15	9/5	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof 'slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.mbitumen coating sand blinded. 2nd floor	32550.00		% Sft	
16	9/45	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation/ Foam Board on roof or walls, Density 32-38Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water obsorbtion (1% by volume, cell structure clored cell) i/c cutting and placing in position complete in all respect 2" Thick .....	32550.00		% Sft	
17	26/37	Supplying and laying polythene sheet over D.P.C. under 'floors and on roofs, etc. 500 gauge (.005" thick)	32550.00		Per Sft	
18	6/16	Providing and fixing ornamental cement jali 2" (50 mm) thick (1: 2: 4), without steel.	1950.00		Per Sft	
19	10/40	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels. 1.5x3/8	5500.00		Per Rft	
20	10/15	Providing and laying topping of cement concrete 1:2:4,including surface finishing and dividing in panels:- 1½"(40 mm) thick	10398.00		% Sft	
21	25/52	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 20 mm (4"x¾") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 2mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	4550.00		Per Sft	
22	25/53	Providing and fixing Aluminum Fly screen comprising of Fiber				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
23	6/34	/ Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1- 1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	2250.00		Per Sft	
24	13/31	Providing and fixing theremopore (foamed polythene) sheet in horizontal and vertical expansion joints: 1½" thick thermopore sheet	900.00		Per Sft	
25	6/5	Preparing surface and painting with emulsion paint:- 3 coats	138653.00		% Sft	
		Cement concrete plain including placing, compacting finishing and curing complete (including screening and washing of stone aggregate): i) Ratio 1:2:4 ii) Ratio 1:4:8	225.00 5500.00		% Cft % Cft	
26	12/61	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by the Engineer Incharge. brass sliding bolt, 10" (250 mm) long	100.00		Each	
27	6/26	Providing and fixing 6 in(150 mm). wide curved sheet of required shape fixed on face of the construction joint with G.I.screw,1.5 in (40 mm) long to cover construction joints vertically:- G.I. sheet, 18 SWG	150.00		Per Rft	
28	12/50	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges, Painting charges, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.	3300.00		Per Sft	
29	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. (Lead 366 kms From Sargodaha (or approved quarry) to site of work)	25500.00		% Cft	
30	12/7	Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bolt,lock and chowkats (frame), etc.) as approved and directed by the Engineer Incharge- <b>Deodar Wood 2" thick (50 mm)</b> (for Main Door)	120.00		Per Sft	
31	25/36	Providing and fixing collapsible gate made of 2"x2"x¼" tee iron at top and bottom, channel iron 'verticals ¾"x¼"x¼"x1/8" (20x6x6x3 mm) at 3" (75 mm) to 5" (125 mm) centre to centre (approximate) and flat iron crosses 3"x3/16" (75x5 mm), and best quality rollers at bottom of 3" (75 mm) diameter including holdfasts, handles 12" (300 mm) long of ¾"x¼"x¼"x1/8" channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled, complete in working order.	75.00		Per Sft	
32	10/42	Providing and laying superb quality <b>Porcelain glazed tiles flooring</b> of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. <b>Full body Glazed tiles</b>  (ii) 600mmx 600 mm	34500.00		Per Sft	
33	10/43	Providing and laying superb quality <b>Porcelain glazed tiles</b> of Master brand, <b>skirting/dado</b> of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharae. (ii) 600mmx 600 mm	6950.00		Per Sft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
34	10/47	Providing and laying 3/4" thick full width Prepolished <b>Marble slab for Vanities</b> / Shelves / Treads/ <b>Window Cills</b> , having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortar i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge. China Verona	2950.00		Per Sft	
35	10/48	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carborandam disc as approved and directed by the Engineer Incharge.	1050.00		Per Rft	
36	10/49	Extra cost for making hole in Marble slab for fixtures, Sink,burners, basin Vanities i/c cost of bevelling of internal edge as approved and directed by the Engineer Incharge.	40.00		Each	
37	10/50	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortar bed , complete in all respect as approved and directed by the Engineer Incharge <b>(for podium, Stair steps, Risers)</b> (i) 3/4" thick	650.00		Per Sft	
38	10/24	Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	1250.00		Per Sft	
39	10/25	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge.  12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	5500.00		Per Sft	
40	25/59	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (i) 3/8" Squar Bars	4550.00		Per Sft	
41	11/39	Preparing surface and applying Graffiato Weather Coating ( Co-polymer emulsion) of approved colour & shade with weather resistant pigment, highly water repellant with Metalic Spatula having top class finish by smoothing with a plastic Spatula, on a base coat (Primer) over well cleaned plastered surface complete in all respect as approved and directed by the Engineer Incharge.	45000.00		Per Sft	
42	25/64	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c staines steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.	300.00		Per Sft	
43	12/62	Providing and fixing almirah shutter comprising of 3/4" thick both side Laminated/Glossy MDF (Karachi) sheet with 1"x3/4"deodar wood golla all around the leaf fixed on (3"x1") Kail wood frame i/c the cost of 1/2" full brass hinges, C.P.handles, catchers, screws, and rawal plugs, polishing/ paint ing 3 coat to gola & frame i/c the cost of locking arrangement complete in all respect as approved and directed by Engineer Incharge. <b>(for Floor Mounted Cabinet)</b>	1000.00		Per Sft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
44	12/58	Providing and fixing Vin board cabinet 3/4" thick with drawers 3"deep in 'Kitchen including termite proofing and polishing with synthetic enamel as specified, with handles hinges,screws etc., complete in all respects. <b>(for Wall Mounted Cabinet)</b>  1-1/2' deep,with back	200.00		Per Sft	
45	9/48	Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2'/2'x3'/ 3'x3'of specified design and thickness i/c cost of fixtures i.e galvanized angle 1" x 1" at wall sides, galvanized tee 1¼" x 1"and 1 ½" x 1" both at 4' c/c ( made of Taiwan CKM or equivalent), hanging with G.I/Copper wire 16 SWG, G.I hook, Rawal Plug etc: complete in all respects as approved and directed by the Engineer Incharge. 9 mm thick	14500.00		Per Sft	
46	12/60	Providing and fixing 2" wide MS Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock hole covered with MS Box,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge.  i) 10.50 " wide ii) 5.5 " wide	3550.00 420.00		Per Sft Per Sft	
47	12/67	Providing and fixing autotomatic hydraulic operated door closer imported heavy duty complete in all respect as approved and directed by the Engineer Incharge.	60.00		Each	
48	25/62	P/F Iron door comprising of specified leaves made of 1-1/4" x1-1/4" x3/16" MS angle iron for leaf frame, diagonal and horizontal braces duly welded with MS. sheet 18-SWG i/c the cost of sliding bolt, tower bolt and painting 3-coats but excluding the cost of Chowkat complete in all respect as approved and directed by the Engineer incharge. Double Leaf	120.00		Per Sft	
49	18/23	Providing and fixing M.S Grating comprising of Angle Iron frame size 1.50" x 1.50" x 3/16" and 1/2" square bars duly welded @ 4" c/c, including painting charges etc complete in all respect.	60.00		Per Sft	
50	12/43	Preparing surface and Lacquar polish to reveal wooden grains by application of multiple coats of wood sealer , sand papering with different no of sandpapers and Lacquar to make glossy surface finish i/c the cost of cotton, thinner, wood sealer complete in all respects as approved and directed by the Engineer Incharge. Matt Finish	150.00		Per Sft	
					<b>Total</b>	
1	N.S	<b>Civil Work (Non-Schedule)</b> P/F Handle Lock (Hiluke/DAF/Khas or equivalent) complete in all respect as approved by Engineer Incharge.	30.00		Each	
2	N.S	Providing & Fixing 1.50" thick uPVC flush door i/c PVC Chowkat of approved design and make, all hardwares/ accessories chromium plated fitting, iron hinges with aluminum kick plate 22 SWG on both sides including chowkat and finger plate complete in all respect	650.00		P/Sft	
3	N.S	Providing & Fixing Looking Glass 5-mm thick best quality,complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.	120.00		P/Sft	
4	N.S	Providing and fixing Steel Floor Jali complete in all respect as per specification and as approved by the Engineering Incharge.	50.00		Each	
					<b>Total</b>	
1	24/3	<b>Electrical Work</b> Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
		jharries,and repairing surface, etc., complete with all specials. i) 3/4" i/d (20 mm) ii) 1" i/d (25 mm) iii) 1.50" i/d (40 mm) iv) 2" i/d (50 mm)	4500.00 6000.00 650.00 950.00		Per M Per M Per M Per M	
2	24/6 ii	Supply and erection of PVC pipe for recessed wiring main and submain) purpose, i/c bends, specials etc in floor, walls or trenches: 3" i/d (80 mm)	1000.00		Per M	
3	24/10	Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only). 250/440 volts, PVC insulated: i) 3/0.74 mm (3/0.029") ii) 7/0.74 mm (7/0.029") iii) 7/0.91 mm (7/0.036") iv) 7/1.12 mm (7/0.044") v) 7/1.63 mm (7/0.064") vi) 19/1.32 mm (19/0.052") vii) 19/1.63 mm (19/0.064")	24000.00 9000.00 5500.00 9000.00 1200.00 5250.00 5250.00		Per M Per M Per M Per M Per M Per M Per M	
4	24/13	Supply and erection of copper conductor cables for service connection, in prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable:- i) 7/1.63 mm (7/0.064") ii) 19/1.32 mm (19/0.052")	450.00 380.00		Per M Per M	
5	24/30	Supply and erection of ceiling rose, bakelite.	1500.00		Each	
6	24/103	P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge <b>a) One way Gange Switch</b> <b>Small</b> i) 02 Gange ii) 03 Gange iii) Three pin Light Plug 10/13 Amp iv) Fan Dimmer v) Three Pin Power Plug 15-32 Amp <b>Large</b> i) 04 Gange ii) 05 Gange iii) 06 Gange	10.00 10.00 400.00 120.00 180.00  85.00 50.00 140.00		Each Each Each Each Each  Each Each Each	
7	24/102	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. <b>a) Plastic body</b> i) 12" dia	55.00		Each	
8	24/96	Suplying,Installation,testing and commissioning of 415-Volt ,4 Pole (TP+N) compact Copper Busway (Bus Tie Duct B.T.D) of specified size/rating comprising of 10 mm thick sandwich copper Bus bars,insulated with non- flammable/flame resistant resin applied at 130 OC by Automatic Electro- static				
		application with Mayler Class-B, housed in Aluminium Housing i/c the cost of hangers, accessories,enclosures IP55, IEC 61439-1, complete in all respect,spaced to a minimum reducing reactance as approved & directed by the Engineer Incharge (i) 400 Amp (ii) 630 Amp (iii) 1250 Amp (iv) 1600 Amp	3.00 3.00 4.00 5.00		Per Rft Per Rft Per Rft Per Rft	
		<b>Electrical Work (Non-Schedule)</b>			<b>Total</b>	
1	N.S	Supply & installation of LED 24W Down Light (Surface				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
2	N.S	Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Meson or Equivalent)	950.00		Each	
3	N.S	Supply & installation of LED 600 x 600mm Ceilling Panel Light 36W (220V~, CW or WW) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips RC0488 or Equivalent)	1325.00		Each	
4	N.S	Supply & installation of LED search light 100W (220V~, CW or WW) with fitting arrangement for installation on walls, parapet, pole or etc. i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips BVP 151 or Equivalent)	25.00		Each	
5	N.S	Providing & Fixing of LED Wall Light 15 Watt i/c any accessories (i.e. screw. Rawl plug or steel nail, etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge. (WL008C OVAL Philips)	60.00		Each	
6	N.S	Supply & installation of Wall Mounted LED Batten Light 20W (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Slimline or Equivalent)	80.00		Each	
7	N.S	Supply & installation of PVC Fan Box with iron bar i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (GM, Bita or equivalent)	120.00		Each	
8	N.S	Supply & installation of Ceiling Fans, 56" sweep (As per "Pakistan Energy Lable" certified manufacturers). i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	120.00		Each	
9	N.S	Supply & installation of 2' x 2' False Ceiling Fan 18" swipe (99.99% Copper), remote controlled i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Royal, Super-asia or Equivalent)	150.00		Each	
10	N.S	Supply & installation of Wall Bracket Fan 24" (99.99% Copper) i/c any accessories (i.e. mounting screws & etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Younis, Tamoor, Pakfan or Equivalent)	9.00		Each	
11	N.S	Supply, installation, connection & commissioning of Main distribution boards, (DBs), Floor Standing design, made of M.S. Sheet 14 SWG with hinged door, handle, catchers and 2 coats of Approved paint, (Size 7'x6'x18") including Incoming Main MCCB (Adjustable Thermal-Magnetic/Electronic Trip 60/100%) 3-P, 1250 A (70KA) 1.00 No, For DB-N (Main MCCB Adjustable Thermal-Magnetic/Electronic Trip 60/100%) 3-P, 630A (70KA) 1.00 No and distribution MCCB 3-P, 100A (36KA) 16.00 Nos) & for DB-E (Main MCCB Adjustable Thermal-Magnetic/Electronic Trip 60/100%) 3-P, 400A (50KA) 1.00 No and distribution MCCB 3-P, 63A (7.5KA) 16.00 Nos) respectively, Digital Volt, Selector switches, LED Phase lights, Earthing bar and any accessories required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Legrand, GE,Schneider, Siemens, Terasaki, ABB or equivalent)(Copper Busbar TP-N will be paid separately via MRS item as per measurement at site)	1.00		Each	
		Supply, installation, connection & commissioning of distribution boards, (Sub Main DB-E), Recessed type Wall mounted design, made of M.S. Sheet 18 SWG with hinged glass door, handle, and 2 coats of Approved paint, (Size 18"x24") including Incoming Main Molded Case Circuit				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
12	N.S	Breaker of 3-P, 63 A (7.5 KA) 1.00 No, Distribution Miniature Circuit Breaker of 1-P, 6~40 A (6KA) 18.00 Nos, LED phase light volt meter type (RYB), Earthling bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Legrand, GE,Schneider, Siemens, Terasaki, ABB or equivalent).	16.00		Each	
		Supply, installation, connection & commissioning of distribution boards, (Sub Main DB-N), Recessed type Wall mounted design, made of M.S. Sheet 18 SWG with hinged glass door, handle, and 2 coats of Approved paint, (Size 18"x24") including Incoming Main Molded Case Circuit Breaker of 3-P, 100A (25 KA) 1.00 No, Distribution Miniature Circuit Breaker of 1-P, 6~40A (6KA) 24.00 Nos, LED phase light volt meter type (RYB), Earthling bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Legrand, GE,Schneider, Siemens, Terasaki, ABB or equivalent).	16.00		Each	
13	N.S	Providing and Laying earthing for Electric Machines I/c boring up to moisture level (up to 60' below ground level) 4" i/d including copper strip 14" x 2" x 1/4" (350 x 50 x 6 mm) connecting with 1 Nos.bare copper wire of No.8 SWG to be run in PVC pipe 20mm i/d, 1¼" i/d GI pipe 5' long, GI tee & plug for watering also includes common salt, Lime (slaked) & charcoal around copper strip I/c connecting with Electric machine. Complete in all respects as approved and as directed by the engineer incharge.	6.00		Each	
					<b>Total</b>	
1	19/23	<b>Plumbing Work</b> Providing and fixing BATHROOM ACCESSORIES (7-piece set) MASTER BRAND - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge. i) Plastic soap dish ii) Plastic toilet paper holder iii) Plastic tower rail iiii) Plastic shelf 60x13 cm (24:x5") with bracket and railing iv) Looking glass with plastic frame	68.00 30.00 10.00 15.00 14.00		Each Each Each Each Each	
2	19/1	Providing and fitting glazed earthen ware water closet European type, excluding seat and cover:- coloured	17.00		Each	
3	19/2	Providing and fixing, double seat and cover only. Bakelite	17.00		Each	
4	19/4	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. coloured	36.00		Each	
5	19/7	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. i) white, with pedestal ii) Under Counter Vanity Basin	6.00 42.00		Each Each	
6	19/8	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe and waste coupling.	15.00		Each	
7	19/52	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open wall shower, Muslim shower,waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge.				
		(i) 3 No Tee Stop Cock	40.00		Each	
		(ii) Lever Type Basin Mixer	42.00		Each	
		(iii) Double Bib Cock	17.00		Each	



Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
8	23/47	(iv) Muslim shower  Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex /Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned).  <b>PN-20 pipe</b> (i) (3/4") 25 mm (ii) (1") 32 mm (iii) (1-1/4") 40 mm	17.00      4000.00 3500.00 1000.00		Each      Per Rft Per Rft Per Rft	
9	23/46	Providing and fixing <b>CP heavy duty brass Ball valve</b> with CP handle of specified diameter made of Faisal/Sonex / Master best quality or equivalent complete in all respect as approved and directed by the Engineer Incharge.  i) 1" dia ii) 1-1/4" dia	   40.00 30.00		   Each Each	
10	19/47	Providing, fixing, testing and commissioning of μ-PVC (Unplasticized polyvinyl Chloride ) Nikasi/ waste pipe make of dadex /Popular/Beta/BBJ plain /socket ended conforming to code EN-1401 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.				
11	19/49	<b>Type (SDR 41/SN-4)</b> i) 3"(90 mm) ii) 4"(110 mm) iii) 6" (160 mm)  Providing, laying, testing and commissioning underground Yellow Polyethelene flexible gas pipe Tubing of required IPS(Iron Pipe Size) in the trenches , made of (Dadex/ Popular / Beta/ BBJ ) for Gas supply i/c the cost of solvent and specials complete as approved and directed by the Engineer Incharge.  <b>SDR-11</b> (i) 1-1/4" (ii) 1" (ii) 2" (ii) 1.50"	500.00 5250.00 2000.00      1000.00 800.00 500.00 700.00		Per Rft Per Rft Per Rft      Per Rft Per Rft Per Rft Per Rft	
12	19/48	Providing, fixing, testing and commissioning of μ-PVC (Unplasticized polyvinyl Chloride ) Nikasi/ waste pipe Fittings make of dadex /Popular/Beta/BBJ conforming to code EN-1401 ncluding the cost of Solvents complete in all respect as approved and directed by the Engineer Incharge.  (a) P-Trap (i) 4" dia (b) Vent Cowel (i) 3" dia	   150.00 10.00		   Each Each	
13	19/13	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete.	36.00		Each	
14	21/1	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete. iii) 225 mm (9:) i/d	500.00		Rft	
15	19/27	Providing and fixing chromium plated bib cock:- 1.5 cm (½")	17.00		Each	
16	19/42	Providing and fitting chromium plated or oxidised, gas cock 6mm (1/4") Two way	5.00		Each	
					<b>Total</b>	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
1	3/42	<b>External Plumbing Work</b> Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- 0 ft. to 7.0 ft. (0 to 2.10 m) depth	19340.00		%o Cft	
2	21/1	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete. i) 225 mm (9") i/d ii) 6" i/d	750.00 75.00		Per Rft Per Rft	
3	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1:4:8	600.00		% Cft	
4	7/4	Pacca brick work in foundation & plinth:- cement, sand mortar:- Ratio 1:4	2250.00		% Cft	
5	11/9	Cement plaster 1:3 upto 20' (6.00 mm) height:- i) ¾" thick ii) ½" thick	2400.00 2427.00		% Sft % Sft	
6	3/44	Excavation of trenches in all kinds of soil, except cutting 'rock, for water supply pipe lines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, levelling the beds of trenches to correct grade and cutting pits for joints, etc	7650.00		%o Cft	
7	21/15A	Providing and fixing 6" thick R.C.C. manhole cover with tee shaped C.I. frame of 22" I/d (frame weighing 37.324 Kg. or one maund as per Standard Drawing STD/PD No. 6, of 1977, complete in all respect.	41.00		Each	
8	6/51A	Providing and fixing precast Edge Kerb Stone (4"to 6" thick), of 3500 PSI Compressive Strength, embeded in PCC 1:2:4 over lean concrete 1:4:8 etc complete in all respect. A) Without Painting (i) 14" high	3000.00		Rft	
9	24/42	Making connection for new watersupply lines with the running main, including excavation of trench and refilling, complete, but excluding cost of pipe and specials, etc. Diameter of running main: i) upto 6" i/d (150 mm) ii) upto 8" i/d (200 mm)	2.00 5.00		P.Con P.Con	
10	23/43	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working presure pipe in trenches. complete in all respects PN-10 (SDR-17) 3" (90mm)	500.00		Per Rft	
		<b>External Civil Work</b>			<b>Total</b>	
1	7/30	Supplying and filling sand under floor; or plugging in wells.	2400.00		% Cft	
2	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1:4:8	3336.00		% Cft	
3	10/3	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects. ....MRS 10/3	899.00		% Cft	
4	10/41	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope. Complete in all respect. (50% Grey / 50% Coloured) 60mm thick	30000.00		Per Sft	
5	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	225.00		% Cft	
6	6/6	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
		precast laid in position, or prestressed members cast in situ, complete in all respects:- Type C (nominal mix 1: 2: 4)	188.00		Per Cft	
					<b>Total</b>	
1	3/1-b	<b>External Electrical Work</b> Earthwork excavation underressed lead upto a single throw of Kassi, phaorah or shovel:- In ordinary soil.	4500.00		%o Cft	
2		Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG. 240 mm sq (37/0.114)	200.00		Per M	
3	24/105	Supply, insatllation, commissioning and testing of oil cooled type, Step down Power Transformer of specified rating,11/0.415 kV, i/c the cost of lifting hooks, thermometers, LT & HT bushing 5-steps, tap changer, imported double float buchholz relay, 2 earthing terminals, roller wheels, connecting terminals for cables M.S box on transformer in order to cover complete L.T side, all necessary materials required for connections on H.T & L.T side, rated voltage 11000/415/240 V impedance 6.25% or as specified by WAPDA/IEC system earth: Delta / Star, neutral solidly earthed, i/c Wapda testing charges,complete in all respects made of PEL, Siemens, as approved and directed by the Engineer Incharge <b>400 KVA</b>	1.00		Each	
					<b>Total</b>	
1	N.S	<b>External Electrical (Non-Schedule)</b> Supply & Laying of 3-core, 120mm², XLPE/PVC/SWA/PVC, 8.7/15Kv Aluminum conductor cable i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Fast Cable or Equivalent)	180.00		Per M	
2	N.S	Supply and installation of 120mm², 3-core, 11-KV Termination Kit i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.(Raychem or Equavalent)	2.00		Each	
3	N.S	Supply & installation of 11-KV Dropout Fuse assemblies Set i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	1.00		Each	
4	N.S	Supply & Installation of 11KV Pin Insulator i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	3.00		Each	
5	N.S	Supply & installation of Creosoted Wooden cross arm on steel structure pole with galvanized steel bracing & bolts i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	2.00		Each	
					<b>Total</b>	

Work No.05

The Islamia University of Bahawalpur

Construction of New Girls Hostel No 01 at Bahawalnagar Campus

Estimate

No.	Ref.	Description	Quantity	Rate	Unit	Amount
		<b>Civil Work (Schedule Items)</b>				
1	3/47.a	Jungle clearance and removing within 100 ft. (30 m).light	46714.13 Sft		%Sft	
2	3/21-A-ii	Excavation in foundation of building, bridges and other structures including dag-belling, dressing, refilling around structure with the excavated earth. i) In ordinary Soil	58486.15 Cft		%oCft	
3	26/42	Spraying anti termite proofing by using liquid FMC Biflex 2.5%EC Mixing Ratio 1:50=137-Sft or using liquid MIRAGE Ali Akbar /RANGERS Auriga 5% SC Mixing Ability-HEXTAR Ratio 1:110=205-Sft or any other equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge.	62868.25 Sft		Per Sft	
4	26/37-ii	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc 500 gauge (.005" thick)	66260.84		Per Sft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
5	6/5-i 6/5.f	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): i) Ratio 1:4:8 ii)'Ratio ( 1 : 2 : 4 )	Sft  12668.64 5728.86 Cft		% Cft % Cft	
6	6/11-c 6/11-b	Fabrication of M.S. Reinforcement for cement concrete including bending, laying in position, making joints and fastening i/c cast of binding wire and labour charges for bending of steel reinforcement also includes removal of rust from bars -  Deformed Bar Grade 60 Deformed Bar Grade 40	  145615.90 15488.18 Kg		% Kg % Kg	
7	6/6-aiii-2b 6/6-aiii-3c	Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design,including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.): - Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- (2) Type B (nominal mix 1: 1½: 3)  ii)'Ratio ( 1 : 2 : 4 )	  19878.00 250.00 Cft		Per Cft Per Cft	
8	6/6-ai-2c  i) ii)  i) ii)	Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design,including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.): - Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects.  Ground Floor      Ratio ( 1:1½:3 ) First Floor        Ratio ( 1:1½:3 )  Ground Floor      Ratio 1:2:4 First Floor        Ratio 1:2:4	  26090.29 1590.63  727.59 26.81 Cft		Per Cft Per Cft  Per Cft Per Cft	
9	9/12	Two coats of bitumen laid hot using 34 lbs. per %Sft, or 1.72 Kg per square metre over roof and blinded with sand at one Cft. per %Sft. (0.003 cu.m per sq.m)	37330.70 Sft		%Sft	
10	6/32-a	Providing and fixing theremopore (foamed polythene) sheet in horizontal and vertical expansion joints: a) 1" (25 mm) thick thermopore sheet	1852.00 Sft		Per Sft	
11	3/15i.	Filling, watering and ramming earth under floors:- i) with surplus earth from foundation, etc.	19495.38 Cft		%oCft	
12	3/15-ii+17a,b,c	Filling, watering and ramming earth under floors:- ii) with new earth excavated from outside,lead upto one chain (30 m). Transportation of earth all types when the total distance,including the lead covered in the item of work,is more than 1000 ft.(300 m) lead upto 5 mile.	195000.00 Cft		%oCft	
13	7/4-i	Pacca brick work in foundation and plinth in:- i) cement, sand mortar:- Ratio 1:5	14499.78 Cft		% Cft	
14	6/35ai	Providing and laying damp proof course of cement concrete 1:2:4 (using cement, sand and shingle), including bitumen coating :- (a) with one coat bitumen and one coat polythene sheet 500 gauge. ii) 1-1/2" thick (40 mm)	2518.85 Sft		%Sft	
15	7/5-i i) ii)	Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:5 Ground Floor First Floor	26024.82 6543.94 Cft		% Cft % Cft	
16	7/21-ii i)	First class brick walling laid in 1:3 cement sand mortar, reinforced with 1" (25 mm) wide 18 gauge hoop iron:- ii) 4½" (113 mm) thick walling with hoop iron, bonding 12" (300 mm) apart. Ground Floor	6932.50 Sft		% Sft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
17	7/30.	Supplying and filling sand under floor; or plugging in wells.	12373.35 Cft		% Cft	
18	6/2	Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.	12905.11 Cft		% Cft	
19	6/3.b	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- (1:4:8)	3375.35 Cft		% Cft	
20		Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. Ratio 1:3				
i)	11/10-b	Ground Floor up to 20' height	37619.67		% Sft	
ii)	11/10-b+11/28	First Floor up to 30' height	2286.81 Sft		% Sft	
21		Cement plaster 1:4 upto 20' (6.00 m) height:- b) '½" (13 mm) thick				
i)		Upto 20' heights				
ii)	11/9-b	a) '½" (13 mm) thick	106932.90		% Sft	
	11/9-c	b) ¾" (20 mm) thick	40883.01		% Sft	
22		Providing & Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation /Foam Board on roof or wall ,Density 32-38 Kg/M, Compressive Strenght 250-400 kpa,R-Value 5 per inch thickness & water obsorbtion (1% by volume, cell structure clored cell) i/c cutting & placing in position complete in all respect . b)1.5" Thick	29846.72 Sft		%Sft	
23	9/45.b	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof 'slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.mbitumen coating sand blinded.				
	9/5.		29846.72 Sft		%Sft	
24	9/15.	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	27.00 No		Each	
25		Providing and fixing mild steel chowkat of doors, windows, C.window, etc. including holdfast, making and threading holes for hinges, etc. complete:-				
	12/15-a	a) M.S. angle iron 1½"x 1½"x ¼" (40x40x6 mm) welded with M.S. flat 2"x ¼" (50 mm x 6 mm)	2765.00 Sft		Per Sft	
26		P/F1-1/2" thick solid flush door comprising of 2.5mm thick Commercial ply compressed over 2.5mm thick commercial ply over1" thick packing wood in styleand rail sun derproper pressure i/c the cost of nails, tower bolt ,handles ,glue, sawing charges, Painting charges ,sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.	1925.00 Sft		P/Sft	
27		Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels. 'Size 1½" x 3/8" (40 x 10 mm)	2,566.36 Rft		Per Rft	
28	10/40.a					
	10/15-c	Providing and laying topping of cement concrete 1:2:4,including surface finishing and dividing in panels: 1.5"(32 mm) thick	8,576.97 Sft		% Sft	
29	13/31. i+ii+ii	Preparing surface and painting with emulsion paint:- New surface 3-coats	106932.91 Sft		%Sft	
30	13/5-c i+ii+ii	Painting new surface:- Preparing surface and painting of doors and windows any type (including edges):- 3-Coats	1925.00 Sft		%Sft	
31	11/22.	Priming coat of chalk under distemper.	39906.48 Sft		%Sft	
32	11/23.a.i ii	Distempering:- a) new surface:- iii) three coats	39906.48 Sft		%Sft	
33	6/26-ii	Providing and fixing 6 in(150 mm). wide curved sheet of required shape fixed on face of the construction joint with G.I.screw,1.5 in (40 mm) long to cover construction joints vertically:-G.I sheet 18 SWG	1450.00 Rft		P/Rft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
34	13/32A-a-i+ii	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: new surface: 2-Coats upto 20' height	40883.01 Sft		% Sft	
35	12/61-B-i	P/F3/4"dia heavy duty sliding bolt of specified material i/c thecost of hardware complete in all respect as approved and directed by the Engineer Incharge. (B)Brass sliding bolt, 10" (250 mm) long	172.00 Nos		Each	
36	12/61-A.i 12/61-Ai.i	P/F3/4"dia heavy duty sliding bolt of specified material i/c thecost of hardware complete in all respect as approved and directed by the Engineer Incharge.(A) Iron i) Iron sliding bolt, 10" (250 mm) long ii) Iron sliding bolt, 12" (300 mm) long	91.00 95.00 Nos		Each Each	
37	10/41.b	Providing and layingTuff pavers,having 7000 PSI,crushing strength of approved manufacturer,over 2" to 3"sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect. (50% Grey / 50% Coloured 60 mm thick	6306.83 Sft		Per Sft	
38	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"x3¼") and 'leaf frame sections of 50 x 20 mm (2"x3¼"), all of 1.6 mm 'thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	2720.00 Sft		Per Sft	
39	25/53.	Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour/powder coated of size 1-1/2"x1/2" and 1.6 mm thick with rubber gasket i /c cost of Hardwares as approved and directed by the engineer incharge complete in all respect.	1360.00 Sft		Per Sft	
40	12/54.	Providing and fixing G.I. wire gauze 22 SWG, 12x12 'meshes per square inch, (5x5 meshes in cm2) fixed to steel window, complete with flat iron patti ½"x 1/8" (13 mmx3 mm) and machine made screws.	707.04 Sft		P/Sft	
41	12/44.b	Glazing with panes (16 oz. to 18 oz.,) including cost of putty.	65.90 Sft		P/Sft	
42	10/42-a-i	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick(1:3)cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge.Full body Glazed tiles  i) 400 mm x 400 mm	26672.69 Sft		Per Sft	
43	25/59.i	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. a) 3/8" Squar Bars	2720.00 Sft		Per Sft	
44	12/60i	Providing and fixing 2" wide M S Chowkats in gel / double rebate made of 16 SWG MS sheet pressed /welded /supported with M.S.flat 1-1/4"x1/8"i/c6" long M.S. Flat 1"x1/8" hold fasts (6-Nos) welded /screwed, punching of lock hole covered with MS Box, coating with anti rust paint including filling with cement sand mortar (1:8) and embedding hold fastin cement concrete (1:2:4), complete in all respect as approved and directed by Engineer Incharge. (i) 15 " wide	548.00 Sft		Per Sft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
45	12/51i	Providing and fixing panelled door of M.S. Sheet with for ged door leaves of M.S.Sheet 22SWG fitted in hollow frame chowkhat 3"x4½"(76x114mm) made of M.S.sheet 18SWG ,filled with plain cement concrete1:3:6 etc.complete, with all fitting sand hammer painting,including carriage to site and fixing in position.	182.00 Sft		Per Sft	
46	10/24.i	Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as perapproved design with adhesive bond, over 3/4" thick(1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge.12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	2377.16 Sft		P/Sft	
47	10/25.i	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy/Matt/Texture skirting / dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cemen tplaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge.12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	9001.76 Sft		Per Sft	
48	.10/44	Providing and laying 3/8 inch thick superb class Multani tiles of specified size and design of approved Colorand Shade with adhesive bond ,over1/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge.	238.20 Sft		P/Sft	
49	10/50.i	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed ,complete in all respect as approved and directed by the Engineer Incharge.3/4" thick	2398.84 Sft		Per Sft	
50	10/48.	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carbor and amdisc as approved and directed by the Engineer Incharge.	980.00 Rft		Per Rft	
51	10/48.	Extra cost for making hole in Marble slab for fixtures,Sink,burners,basin Vanities i/c cost of bevelling of internal edge as approved and directed by the Engineer Incharge.	24.00 Nos		Each	
52	6/30.	Providing embedding 10" (250 mm) wide ¼" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.	350.00 P/Rft		Per Rft	
53	24/64	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c staines steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.	516.64 Rft		P/Rft	
					Total	
		Civil Work (Non-Schedule Items)				
1	NS	Making and erecting in position MS Grill Door with M.S box pipe 1.5"x1.5" main frame and M.S Box pipe 1/2"x1/2" , 18 SWG for grill, complete in all respects and duly painted as approved by the Engineer Incharge.(Fly/Mosquito Proof Grill Doors for Fixing at Gallaries openings)	1190.25 Sft		Per Sft	
2	NS	Providing and fixing 3/4" thick laminated Board shutter with 3/4" x 3/4" deodar wood beading wardrobe frame of 3"x1.5" M.S Box pipe 18 SWG including catchers, lock, CP hanger rod with hooks, hinges, french polish on beading complete in all respects including hanger rod etc. as approved by the Engineer Incharge.	8316.00 Sft		Per Sft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
3	NS	Extra labour & cost for Preparation of cemented pastered surface for emulsion paint with application of wall putty (Berger,Master, ICI) after rubbing and finishing of surface complete in all respects as approved by the Engineer Incharge.	106932.91 Sft		Per Sft	
4	NS	Providing & Fixing uPVC door 1.25" thick wooden colour i/c hinges, door handle with locking arrangement complete in all respects.	857.50 Sft		Per Sft	
5	NS	Providing & Fixing Magnet stopper for doors with screws best quality complete in all respects as approved by the Engineer Incharge.	160.00 Nos		Each	
6	NS	Preparing surface & applying siprit polish best quality complete in all respects as approved by the Engineer Incharge.	144.00 Sft		P/Sft	
7	NS	Providing and fixing 1½" (40mm) thick Oak wood panelled and glazed in special design main door , best quality, with Tower bolt 3' Length, Tower bolt 12" Length in Bottom, Handle 12" (150mm) special, Sliding Bolt brass 18" Special Quality italian design and vax polishing etc ,complete in all respects as design, drawing and as approved by the Engineer Incharge.	72.00 Sft		P/Sft	
8	NS	Providing & Fixing kitchen cabinet consisting of lamination board 3/4" thick for leaves,MS Box frame size 3" x 3/4" Gola for leaf size 3/4" * 3/4 ", including sprit polish for gola and to other wood work of the cabinet, with all requisite hard ware fittings complete as per drawing, & in all as approved by the Engineer In-Charge. a) For Kitchen cabinet down portion b) For Kitchen cabinet Upper portion	46.20 67.90 Sft		P/Sft P/Sft	
9	NS	Providing, applying and filling expansion joint with 2"x ¾" thick elastomeric sealant of approved manufacture over backing rod complete in all respect according to manufactures recommendations and to the entire satisfaction of the engineer incharge	650.00 Rft		P/Rft	
10	NS	Providing/Using Sulphate Resistat Cement instead of Ordinary portland Cement up to plinth level and flooring. (Difference in cost of OPC & SRC) to protect effect of dampness and salts.	6787.00 Bag		Each	
11		Subsequent carriage of crushed stone aggregate total distance from Sargodha to Bahawalnagar IUB Campus at site of work average 278 KM	75119.74 Cft		% Cft	
					Total	
1		<b>Electric Work (Schedule Items)</b> Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries,and repairing surface, etc., complete with all specials.				
	24/3-i	i) 20 mm i/d	8514.91		Per Rft	
	24/3-ii	ii) 25 mm i/d	13277.60		Per Rft	
	24/3-v	iii) 1.5" i/d (40 mm)	150.00 Rft		Per Rft	
2		Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only). a) 250/440 volts, PVC insulated:				
i)	24/10-i	3/0.74 mm (3/0.029")	12668.00		Per Rft	
ii)	24/10-ii	3/0.91 mm (3/0.036")	34248.00		Per Rft	
iii)	24/10-iii	7/0.74 mm (7/0.029")	20125.00		Per Rft	
iv)	24/10-iv	7/0.91 mm (7/0.036")	10553.00		Per Rft	
v)	24/10-v	7/1.12 mm (7/0.044")	2208.00		Per Rft	
vi)	24/10-vi	7/1.63 mm (7/0.064")	6677.00 Rft		Per Rft	



Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
3	24/13-d	Supply and erection of copper conductor cablesfor service connection, in prelaid pipe/G.I.wire/trenches, etc. (rate for cable only):- PVCinsulated, PVC sheathed 4 core 660/1100 voltgrade cable, armoured with G.I. wire 16 SWG.120 mm (37/0.083")	79.27 Per M		Per M	
4	24/102.a.ii	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge.				
i		.Plastic body 12 " dia	10.00		Each	
ii		Steel body 18" sweep	3.00 No		Each	
5	24/103.a	P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge <b>One way Gange Switch</b> <b>Small</b> 03 Gange Three pin Light Plug 10/13 Amp Fan Dimmer Three Pin Power Plug 15-32 Amp <b>Large</b> 04 Gange 05 Gange 06 Gange <b>Two way Gange Switch small</b> 03 Gange 04 Gange	108.00 110.00 103.00 96.00  57.00 24.00 32.00  108.00 11.00 No		Each Each Each Each  Each Each Each  Each Each	
6	24/91.i,b,iv.	P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity ,Door Earthing, Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).3.00 Ft deep 2500~3200A (2.5'x7"x3')	1.00		Each	
7	24/87.a.x	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. There Pole 300-630 Amp(36 KA)	2.00		Each	
i	24/87.a.vi	125-250 Amp(25KA)	1.00		Each	
ii	24/87.a.ii	15-100 Amp (10 KA,15KA)	20.00 No		Each	
8	24/90-a.ii	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessdded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).75~100A (30"x22"x6")	9.00 No		Each	
9	24/87-a-ii	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. There Pole 15-100 Amp (10 KA,15KA)	9.00 No		Each	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
10	24/86-a-ii	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screws,necessary wire complete in all respect as approved and directed by the Engineer Incharge.6-40 Amp (6 KA)	216.00 No		Each	
					Total	
1	NS	<u>Electric Work (Non-Schedule Items)</u> Supply & installation of PVC Fan Box with iron bar i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (GM, Bita or equivalent)	103.00 No		Each	
2	NS	Supply & installation of Ceiling Fans, 56" sweep (As per "Pakistan Energy Lable" certified manufacturers). i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	103.00 No		Each	
3	NS	Supply & installation of Metal Body Wall Bracket Fan 24" (99.99% Copper) i/c any accessories (i.e. widing of mounting holes and 4.00nos of rawl bolts ¼" etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (SK mega or Equivalent)	8.00		Each	
4	NS	Supply & installation of LED 24 W Down Light 6500 K ,2000 Lumen (Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Essential or Equivalent)	128.00 Nos		Each	
5	NS	Supply & installation of Strip (patti) with 20W Led tube rod (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips or Equivalent)	340.00 No.		Each	
6	NS	Supply & installation LED flood light 100 watt Philips quality including casing bracket, hanging arrangement complete in all respects as approved by the Engineer Incharge.	16.00 No		Each	
7	NS	Supply and Installation of Stainless Steel/Aluminum Exhaust Hood with exhaust fan (170W) and 4 x20W halogen lamp i/c any other accessories required at site. Complete in all respects as approved by Engineer Incharge. (Canon-HD-GL9011 or Equivalent)	1.00 No		Each	
8	NS	Providing and Laying earthing for Electric Machines I/c boring up to moisture level (up to 60' below ground level) 4" i/d including copper strip 14" x 2" x 1/4" (350 x 50 x 6 mm) connecting with 1 Nos.bare copper wire of No.8 SWG to be run in PVC pipe 20mm i/d, 1¼" i/d GI pipe 5' long, GI tee & plug for watering also includes common salt, Lime (slaked) and charcoal around copper strip i/c connecting with Electric machine. Complete in all respects as approved and as directed by the engineer incharge.	2.00 No		Each	
		<u>Plumbing Work (Schedule Items)</u>			Total	
1	19/4ii.	Providing and fitting glazed earthen ware water closet squatter type (Orissa pattern) combined with foot rest. (Coloured).	21.00 No		Each	
2	19/7.i 19/7.v	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. i. coloured, with pedestal ii. Under Counter Vanity Basin	6.00 20.00 No		Each Each	
3	19/27.ii	Providing and Fixing Crommium plated bib cock 1/2" dia with plastic head.	38.00 Nos		Each	
4	19/24.ii	Providing and fixing chromium plated pillar-cock, heavy:- ii) (1/2")	6.00 No.		Each	
5	19/28	Providing and fixing chromium plated tee stop cock '15mm (½").	34.00		Each	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
6	19/23.	Providing and fixing BATHROOM ACCESSORIES (7-piece set) MASTER BRAND - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge	No.			
		i) plastic soap dish	12.00		Each	
		ii) plastic toilet paper holder	12.00		Each	
		iii) plastic towel rail	12.00		Each	
			No.			
7	19/13.i	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. ii) coloured	25.00		Each	
			No.			
8	19/30.	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower, as approved by the engineer in charge	26.00		Each	
9	3/42-i	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:-'0 ft. to 7.0 ft. (0 to 2.10 m) depth	8848.48 Cft		%0 Cft	
10		Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-79, Class II. Wall B, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing				
i)	21/3 i	310 mm (12") i/d	1,215.00 Rft		P/Rft	
11	7/4.i	Pacca brick work in foundation and plinth in:- i) cement, sand mortar:- Ratio 1:3	2056.58 Cft		% Cft	
12	11/8.b	Cement plaster 1:3 upto 20' (6.00 m) height:- b) '½" (13 mm) thick	5676.00 Sft		% Sft	
13	21/8.	Constructing standard gully grating chamber, 3'x2½' '(900x750 mm), with chinaware trap as per PHED Drawing STD/PD No. 3 of 1977, complete in all respects.	6.00 No		Each	
14	21/9.	Extra for making and finishing benching floor work in manhole chamber, with 1/8" (3 mm) thick cement finish.	150.00 Sft		% Sft	
15	19/48.	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized polyvinyl Chloride) Nikasi /wastepipe Fittings make of dadex /Popular /Beta/ BBJ conformingto code EN-1401 including thecost of Solvents complete in all respect as approved and directed by the Engineer Incharge.				
		P-Trap 4" dia	69.00		Each	
		Multi-Trap 4" dia	22.00		Each	
		Vent Cowel 4" dia	20.00		Each	
			Nos			
16	19/47.	Providing ,fixing testing and commissioning of µ-PVC (Unplasticized polyvinyl Chloride) Nikasi /waste pipe make of dadex /Popular /Beta/BBJ plain/ socket ended conforming to code EN-1401 of specified SDR (Standard Dimension Ratio) including thecost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.Type (SDR 32.5/SN-8) 4"(110 mm)	1905.07 Rft		P/Rft	
17	23/47.bii	Providing, laying, testing and commissioning of POLY PROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex/Popular/Beta/BBJ) with specified pressurerating PN (PRESSURE NOMINAL) and conforming to DIN 8077-8078 code i/c cost of solvent, specials ,making jharries complete in all respectas approved and directedby Engineer Incharge.(Internal/External Diameters mentioned).				
		<b>PN-20 pipe</b>				
		ii)(3/4") 25 mm	523.00		P/Rft	
		iii)(1") 32 mm	1211.00		P/Rft	
		vi)(2") 63 mm	1050.00		P/Rft	
			Rft			

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
18	19/50.	Providing and fixing 1/2" dia Muslim Shower of Fasal /Master comprising of 1/2 "diaone-meter long rubber /CP fexible pipe and hand showers etc omplete in all respects as approved and directed by the Engineer Incharge.	25.00 No		Each	
19	19/8.	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe and waste coupling.	6.00 No.		Each	
20	19/3.	Providing and fitting Europeon Coupled set of Water Closet (WC) and flushing Cistern of PORT Abr and (full size) i/c thecost of CP /rubber connection ,thimble ,seat cover and rawal bolts complete in all respects asapproved and directed by the Engineer Incharge.	4.00 No		Each	
21	.19/52-iv	Providing and fixing CP bath Room Set made of Sonex /Master /Faisal comprising of 3-NoTee stop cocks, lever type Basin Mixer ,double Bib Cock ,open wall shower ,Muslim shower ,waste coupling and bottle tap etc.complete in all respect as approved and directed by the Engineer incharge.  (iv) Open Type Wall Shower	30.00 No		Each	
		<u>Plumbing Work (Non-Schedule Items)</u>			Total	
7	NS	P/F Looking glass imported quality complete in all respect and as approved by the Engineer Incharge.	111.00 Sft		P/ Sft	
8	NS	Providing & fixing floor trap Jali plastic complete in all respect and as approved by the Engineer Incharge.	33.00 No		Each	
9	NS	Providing & fixing floor trap Jali Stainlessteel complete in all respect and as approved by the Engineer Incharge.	37.00 No		Each	
					Total	

Work No.6

The Islamia University of Bahawalpur

Construction of New Girls Hostel No 02 at Bahawalnagar Campus

Estimate

No.	Ref.	Description	Quantity	Rate	Unit	Amount
		<b>Civil Work (Schedule Items)</b>				
1	3/47.a	Jungle clearance and removing within 100 ft. (30 m).light	46714.13 Sft		%Sft	
2	3/21-A-ii	Excavation in foundation of building, bridges and other structures including dag-belling, dressing, refilling around structure with the excavated earth. i) In ordinary Soil	58486.15 Cft		%oCft	
3	26/42	Spraying anti termite proofing by using liquid FMC Biflex 2.5%EC Mixing Ratio 1:50=137-Sft or using liquid MIRAGE Ali Akbar /RANGERS Auriga 5% SC Mixing Ability-HEXTAR Ratio 1:110=205-Sft or any other equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge.	62868.25 Sft		Per Sft	
4	26/37-ii	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc 500 gauge (.005" thick)	66260.84 Sft		Per Sft	
5	6/5-i 6/5.f	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): i) Ratio 1:4:8 ii)'Ratio ( 1 : 2 : 4 )	12668.64 5728.86 Cft		% Cft % Cft	
6	6/11-c 6/11-b	Fabrication of M.S. Reinforcement for cement concrete including bending, laying in position, making joints and fastening i/c cast of binding wire and labour charges for bending of steel reinforcement also includes removal of rust from bars -  Deformed Bar Grade 60 Deformed Bar Grade 40	145615.90 15488.18 Kg		% Kg % Kg	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
7	6/6-aiii-2b 6/6-aiii-3c	Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design,including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- (2) Type B (nominal mix 1: 1½: 3)  ii)'Ratio ( 1 : 2 : 4 )	19878.00 250.00 Cft		Per Cft Per Cft	
8	6/6-ai-2c  i) ii)  i) ii)	Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design,including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects.  Ground Floor      Ratio ( 1:1½:3 ) First Floor        Ratio ( 1:1½:3 )  Ground Floor      Ratio 1:2:4 First Floor        Ratio 1:2:4	26090.29 1590.63  727.59 26.81 Cft		Per Cft Per Cft  Per Cft Per Cft	
9	9/12	Two coats of bitumen laid hot using 34 lbs. per %Sft, or 1.72 Kg per square metre over roof and blinded with sand at one Cft. per %Sft. (0.003 cu.m per sq.m)	37330.70 Sft		%Sft	
10	6/32-a	Providing and fixing theremopore (foamed polythene) sheet in horizontal and vertical expansion joints: a) 1" (25 mm) thick thermopore sheet	1852.00 Sft		Per Sft	
11	3/15i.	Filling, watering and ramming earth under floors:- i) with surplus earth from foundation, etc.	19495.38 Cft		%oCft	
12	3/15-ii+17a,b,c	Filling, watering and ramming earth under floors:- ii) with new earth excavated from outside,lead upto one chain (30 m). Transportation of earth all types when the total distance,including the lead covered in the item of work,is more than 1000 ft.(300 m) lead upto 5 mile.	195000.00 Cft		%oCft	
13	7/4-i	Pacca brick work in foundation and plinth in:- i) cement, sand mortar:- Ratio 1:5	14499.78 Cft		% Cft	
14	6/35ai	Providing and laying damp proof course of cement concrete 1:2:4 (using cement, sand and shingle), including bitumen coating :- (a) with one coat bitumen and one coat polythene sheet 500 gauge. ii) 1-1/2" thick (40 mm)	2518.85 Sft		%Sft	
15	7/5-i i) ii)	Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:5 Ground Floor First Floor	26024.82 6543.94 Cft		% Cft % Cft	
16	7/21-ii i)	First class brick walling laid in 1:3 cement sand mortar, reinforced with 1" (25 mm) wide 18 gauge hoop iron:- ii) 4½" (113 mm) thick walling with hoop iron, bonding 12" (300 mm) apart. Ground Floor	6932.50 Sft		% Sft	
17	7/30.	Supplying and filling sand under floor; or plugging in wells.	12373.35 Cft		% Cft	
18	6/2	Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.	12905.11 Cft		% Cft	
19	6/3.b	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- (1:4:8)	3375.35 Cft		% Cft	
20	11/10-b i) ii) 11/10-b+11/28	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. Ratio 1:3 Ground Floor up to 20' height First Floor up to 30' height	37619.67 2286.81 Sft		% Sft % Sft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
21		Cement plaster 1:4 upto 20' (6.00 m) height:- b) '½" (13 mm) thick				
i)		Upto 20' heights				
ii)	11/9-b	a) "½" (13 mm) thick	106932.90		% Sft	
	11/9-c	b) ¾" (20 mm) thick	40883.01		% Sft	
22		Providing & Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation /Foam Board on roof or wall ,Density 32-38 Kg/M, Compressive Strenght 250-400 kpa,R-Value 5 per inch thickness & water obsorbtion (1% by volume, cell structure clored cell) i/c cutting & placing in position complete in all respect . b)1.5" Thick	29846.72 Sft		%Sft	
23		Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof 'slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.mbitumen coating sand blinded.				
	9/5.		29846.72 Sft		%Sft	
24	9/15.	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	27.00 No		Each	
25		Providing and fixing mild steel chowkat of doors, windows, C.window, etc. including holdfast, making and threading holes for hinges, etc. complete:-				
	12/15-a	a) M.S. angle iron 1½"x 1½"x ¼" (40x40x6 mm) welded with M.S. flat 2"x ¼" (50 mm x 6 mm)	2765.00 Sft		Per Sft	
26		P/F1-1/2" thick solid flush door comprising of 2.5mm thick Commercial ply compressed over 2.5mm thick commercial ply over1" thick packing wood in styleand rail sun derproper pressure i/c the cost of nails, tower bolt ,handles ,glue, sawing charges, Painting charges ,sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.	1925.00 Sft		P/Sft	
27		Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels. 'Size 1½" x 3/8" (40 x 10 mm)	2,566.36 Rft		Per Rft	
28		Providing and laying topping of cement concrete 1:2:4,including surface finishing and dividing in panels: 1.5"(32 mm) thick	8,576.97 Sft		% Sft	
29	13/31. i+ii+ii	Preparing surface and painting with emulsion paint:- New surface 3-coats	106932.91 Sft		%Sft	
30	13/5-c i+ii+ii	Painting new surface:- Preparing surface and painting of doors and windows any type (including edges):- 3-Coats	1925.00 Sft		%Sft	
31	11/22.	Priming coat of chalk under distemper.	39906.48 Sft		%Sft	
32	11/23.a.i ii	Distempering:- a) new surface:- iii) three coats	39906.48 Sft		%Sft	
33		Providing and fixing 6 in(150 mm). wide curved sheet of required shape fixed on face of the construction joint with G.I.screw,1.5 in (40 mm) long to cover construction joints vertically:-G.I sheet 18 SWG	1450.00 Rft		P/Rft	
34		Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: new surface: 2- Coats				
i)	13/32A-a-i+ii	upto 20' height	40883.01 Sft		% Sft	
35		P/F3/4"dia heavy duty sliding bolt of specified material i/c thecost of hardware complete in all respect as approved and directed by the Engineer Incharge.				
	12/61-B-i	(B)Brass sliding bolt, 10" (250 mm) long	172.00 Nos		Each	
36		P/F3/4"dia heavy duty sliding bolt of specified material i/c thecost of hardware complete in all respect as approved and directed by the Engineer Incharge.(A) Iron				
	12/61-A.i	i) Iron sliding bolt, 10" (250 mm) long	91.00		Each	
	12/61-Ai.i	ii) Iron sliding bolt, 12" (300 mm) long	95.00 Nos		Each	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
37	10/41.b	Providing and layingTuff pavers,having 7000 PSI,crushing strength of approved manufacturer,over 2" to 3"sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect. (50% Grey / 50% Coloured 60 mm thick	6306.83 Sft		Per Sft	
38	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 1.6 mm 'thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	2720.00 Sft		Per Sft	
39	25/53.	Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour/powder coated of size 1- 1/2"x1/2" and 1.6 mm thick with rubber gasket i /c cost of Hardwares as approved and directed by the engineer incharge complete in all respect.	1360.00 Sft		Per Sft	
40	12/54.	Providing and fixing G.I. wire gauze 22 SWG, 12x12 'meshes per square inch, (5x5 meshes in cm2) fixed to steel window, complete with flat iron patti ½"x 1/8" (13 mmx3 mm) and machine made screws.	707.04 Sft		P/Sft	
41	12/44.b	Glazing with panes (16 oz. to 18 oz.,) including cost of putty.	65.90 Sft		P/Sft	
42	10/42-a-i	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick(1:3)cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge.Full body Glazed tiles  i) 400 mm x 400 mm	26672.69 Sft		Per Sft	
43	25/59.i	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. a) 3/8" Squar Bars	2720.00 Sft		Per Sft	
44	12/60i	Providing and fixing 2" wide M S Chowkats in gel / double rebate made of 16 SWG MS sheet pressed /welded /supported with M.S.flat 1-1/4"x1/8"i/c6" long M.S. Flat 1"x1/8" hold fasts (6-Nos) welded /screwed, punching of lock hole covered with MS Box, coating with anti rust paint including filling with cement sand mortar (1:8) and embedding hold fastin cement concrete (1:2:4), complete in all respect as approved and directed by Engineer Incharge. (i) 15 " wide	548.00 Sft		Per Sft	
45	12/51i	Providing and fixing panelled door of M.S. Sheet with for ged door leaves of M.S.Sheet 22SWG fitted in hollow frame chowkhat 3"x4½"(76x114mm) made of M.S.sheet 18SWG ,filled with plain cement concrete1:3:6 etc.complete, with all fitting sand hammer painting,including carriage to site and fixing in position.	182.00 Sft		Per Sft	
46	10/24.i	Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as perapproved design with adhesive bond, over 3/4" thick(1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge.12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	2377.16 Sft		P/Sft	



Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
47	10/25.i	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy/Matt/Texture skirting / dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cemen tplaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge.12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	9001.76 Sft		Per Sft	
48	.10/44	Providing and laying 3/8 inch thick superb class Multani tiles of specified size and design of approved Colorand Shade with adhesive bond ,over1/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge.	238.20 Sft		P/Sft	
49	10/50.i	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed ,complete in all respect as approved and directed by the Engineer Incharge.3/4" thick	2398.84 Sft		Per Sft	
50	10/48.	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carbor and amdisc as approved and directed by the Engineer Incharge.	980.00 Rft		Per Rft	
51	10/48.	Extra cost for making hole in Marble slab for fixtures,Sink,burners,basin Vanities i/c cost of bevelling of internal edge as approved and directed by the Engineer Incharge.	24.00 Nos		Each	
52	6/30.	Providing embedding 10" (250 mm) wide ¼" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.	350.00 P/Rft		Per Rft	
53	24/64	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.	516.64 Rft		P/Rft	
					Total	
		Civil Work (Non-Schedule Items)				
1	NS	Making and erectting in position MS Grill Door with M.S box pipe 1.5"x1.5" main frame and M.S Box pipe 1/2"x1/2" , 18 SWG for grill, complete in all respects and duly painted as approved by the Engineer Incharge.(Fly/Mosquito Proof Grill Doors for Fixing at Gallaries openings)	1190.25 Sft		Per Sft	
2	NS	Providing and fixing 3/4" thick laminated Board shutter with 3/4" x 3/4" deodar wood beading wardrobe frame of 3"x1.5" M.S Box pipe 18 SWG including catchers, lock, CP hanger rod with hooks, hinges, french polish on beading complete in all respects including hanger rod etc. as approved by the Engineer Incharge.	8316.00 Sft		Per Sft	
3	NS	Extra labour & cost for Preparation of cemented pastered surface for emulsion paint with application of wall putty (Berger,Master, ICI) after rubbing and finishing of surface complete in all respects as approved by the Engineer Incharge.	106932.91 Sft		Per Sft	
4	NS	Providing & Fixing uPVC door 1.25" thick wooden colour i/c hinges, door handle with locking arrangement complete in all respects.	857.50 Sft		Per Sft	
5	NS	Providing & Fixing Magnet stopper for doors with screws best quality complete in all respects as approved by the Engineer Incharge.	160.00 Nos		Each	
6	NS	Preparing surface & applying siprit polish best quality complete in all respects as approved by the Engineer Incharge.	144.00		P/Sft	



Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
7	NS	Providing and fixing 1½" (40mm) thick Oak wood panelled and glazed in special design main door , best quality, with Tower bolt 3' Length, Tower bolt 12" Length in Bottom, Handle 12" (150mm) special, Sliding Bolt brass 18" Special Quality italian design and vax polishing etc ,complete in all respects as design, drawing and as approved by the Engineer Incharge.	Sft			
8		Providing & Fixing kitchen cabinet consisting of lamination board 3/4" thick for leaves,MS Box frame size 3" x 3/4" Gola for leaf size 3/4" * 3/4 ", including sprit polish for gola and to other wood work of the cabinet, with all requisite hard ware fittings complete as per drawing, & in all as approved by the Engineer In-Charge.	72.00 Sft		P/Sft	
		a) For Kitchen cabinet down portion b) For Kitchen cabinet Upper portion	46.20 67.90 Sft		P/Sft P/Sft	
9	NS	Providing, applying and filling expansion joint with 2"x ¾" thick elastomeric sealant of approved manufacture over backing rod complete in all respect according to manufactures recommendations and to the entire satisfaction of the engineer incharge	650.00 Rft		P/Rft	
10		Providing/Using Sulphate Resistat Cement instead of Ordinary portland Cement up to plinth level and flooring. (Difference in cost of OPC & SRC) to protect effect of dampness and salts.	6787.00 Bag		Each	
11		Subsequent carriage of crushed stone aggregate total distance from Sargodha to Bahawalnagar IUB Campus at site of work average 278 KM	75119.74 Cft		% Cft	
					Total	
1		<b>Electric Work (Schedule Items)</b> Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries,and repairing surface, etc., complete with all specials.				
	24/3-i	i) 20 mm i/d	8514.91		Per Rft	
	24/3-ii	ii) 25 mm i/d	13277.60		Per Rft	
	24/3-v	iii) 1.5" i/d (40 mm)	150.00 Rft		Per Rft	
2		Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only). a) 250/440 volts, PVC insulated:				
i)	24/10-i	3/0.74 mm (3/0.029")	12668.00		Per Rft	
ii)	24/10-ii	3/0.91 mm (3/0.036")	34248.00		Per Rft	
iii)	24/10-iii	7/0.74 mm (7/0.029")	20125.00		Per Rft	
iv)	24/10-iv	7/0.91 mm (7/0.036")	10553.00		Per Rft	
v)	24/10-v	7/1.12 mm (7/0.044")	2208.00		Per Rft	
vi)	24/10-vi	7/1.63 mm (7/0.064")	6677.00 Rft		Per Rft	
3		Supply and erection of copper conductor cablesfor service connection, in prelaidd pipe/G.I.wire/trenches, etc. (rate for cable only):- PVCinsulated, PVC sheathed 4 core 660/1100 voltgrade cable, armoured with G.I. wire 16 SWG.120 mm (37/0.083")	79.27 Per M		Per M	
4		Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge.				
	24/102.a.ii					
i		.Plastic body 12 " dia	10.00		Each	
ii		Steel body 18" sweep	3.00 No		Each	
5		P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge				
	24/103.a	One way Gange Switch				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
6		Small				
		03 Gange	108.00		Each	
		Three pin Light Plug 10/13 Amp	110.00		Each	
		Fan Dimmer	103.00		Each	
		Three Pin Power Plug 15-32 Amp	96.00		Each	
		Large				
		04 Gange	57.00		Each	
		05 Gange	24.00		Each	
		06 Gange	32.00		Each	
		Two way Gange Switch small				
7	24/91.i,b,iv.	03 Gange	108.00		Each	
		04 Gange	11.00		Each	
		No				
		P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity ,Door Earthing, Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).3.00 Ft deep 2500~3200A (2.5'x7'x3')				
		Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. There Pole	1.00		Each	
		300-630 Amp(36 KA)				
		24/87.a.x	2.00		Each	
		125-250 Amp(25KA)				
		24/87.a.vi	1.00		Each	
8	24/87.a.ii	15-100 Amp (10 KA,15KA)				
		24/87.a.ii	20.00		Each	
		No				
		P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).75~100A (30"x22"x6")				
		24/90.a.ii	9.00		Each	
		No				
		Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. There Pole 15-100 Amp (10 KA,15KA)				
		24/87-a-ii	9.00		Each	
		No				
		Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.6-40 Amp (6 KA)				
10	24/86-a-ii		216.00		Each	
		No				
Total						
1	NS	Electric Work (Non-Schedule Items) Supply & installation of PVC Fan Box with iron bar i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (GM, Bit or equivalent)	103.00		Each	
			No			
2	NS	Supply & installation of Ceiling Fans, 56" sweep (As per "Pakistan Energy Lable" certified manufacturers). i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	103.00		Each	
			No			

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
3	NS	Supply & installation of Metal Body Wall Bracket Fan 24" (99.99% Copper) i/c any accessories (i.e. widening of mounting holes and 4.00nos of rawl bolts ¼" etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (SK mega or Equivalent)	8.00		Each	
4	NS	Supply & installation of LED 24 W Down Light 6500 K ,2000 Lumen (Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Essential or Equivalent)	128.00 Nos		Each	
5	NS	Supply & installation of Strip (patti) with 20W Led tube rod (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips or Equivalent)	340.00 No.		Each	
6	NS	Supply & installation LED flood light 100 watt Philips quality including casing bracket, hanging arrangement complete in all respects as approved by the Engineer Incharge.	16.00 No		Each	
7	NS	Supply and Installation of Stainless Steel/Aluminum Exhaust Hood with exhaust fan (170W) and 4 x20W halogen lamp i/c any other accessories required at site. Complete in all respects as approved by Engineer Incharge. (Canon-HD-GL9011 or Equivalent)	1.00 No		Each	
8	NS	Providing and Laying earthing for Electric Machines I/c boring up to moisture level (up to 60' below ground level) 4" i/d including copper strip 14" x 2" x 1/4" (350 x 50 x 6 mm) connecting with 1 Nos.bare copper wire of No.8 SWG to be run in PVC pipe 20mm i/d, 1¼" i/d GI pipe 5' long, GI tee & plug for watering also includes common salt, Lime (slaked) and charcoal around copper strip i/c connecting with Electric machine. Complete in all respects as approved and as directed by the engineer incharge.	2.00 No		Each	
		<u>Plumbing Work (Schedule Items)</u>			Total	
1	19/4.ii.	Providing and fitting glazed earthen ware water closet squatter type (Orissa pattern) combined with foot rest. (Coloured).	21.00 No		Each	
2	19/7.i 19/7.v	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. i. coloured, with pedestal ii. Under Counter Vanity Basin	6.00 20.00 No		Each Each	
3	19/27.ii	Providing and Fixing Crommium plated bib cock 1/2" dia with plastic head.	38.00 Nos		Each	
4	19/24.ii	Providing and fixing chromium plated pillar-cock, heavy:- ii) (1/2")	6.00 No.		Each	
5	19/28	Providing and fixing chromium plated tee stop cock '15mm (½").	34.00 No.		Each	
6	19/23.	Providing and fixing BATHROOM ACCESSORIES (7-piece set) MASTER BRAND - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge i) plastic soap dish ii) plastic toilet paper holder iii) plastic towel rail	12.00 12.00 12.00 No.		Each Each Each	
7	19/13.i	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. ii) coloured	25.00 No.		Each	
8	19/30.	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower, as approved by the engineer in charge	26.00		Each	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
9	3/42-i	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:-'0 ft. to 7.0 ft. (0 to 2.10 m) depth	8848.48 Cft		%0 Cft	
10	i) 21/3 i	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 310 mm (12") i/d	1,215.00 Rft		P/Rft	
11	7/4.i	Pacca brick work in foundation and plinth in:- i) cement, sand mortar:- Ratio 1:3	2056.58 Cft		% Cft	
12	11/8.b	Cement plaster 1:3 upto 20' (6.00 m) height:- b) '½" (13 mm) thick	5676.00 Sft		% Sft	
13	21/8.	Constructing standard gully grating chamber, 3'x2½' '(900x750 mm), with chinaware trap as per PHED Drawing STD/PD No. 3 of 1977, complete in all respects.	6.00 No		Each	
14	21/9.	Extra for making and finishing benching floor work in manhole chamber, with 1/8" (3 mm) thick cement finish.	150.00 Sft		% Sft	
15	19/48.	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized polyvinyl Chloride) Nikasi /wastepipe Fittings make of dadex /Popular /Beta/ BBJ conformingto code EN-1401 including thecost of Solvents complete in all respect as approved and directed by the Engineer Incharge. P-Trap 4" dia Multi-Trap 4" dia Vent Cowel 4" dia	69.00 22.00 20.00 Nos		Each Each Each	
16	19/47.	Providing ,fixing testing and commissioning of µ-PVC (Unplasticized polyvinyl Chloride) Nikasi /waste pipe make of dadex /Popular /Beta/BBJ plain/ socket ended conforming to code EN-1401 of specified SDR (Standard Dimension Ratio) including thecost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.Type (SDR 32.5/SN-8) 4"(110 mm)	1905.07 Rft		P/Rft	
17	23/47.bii	Providing, laying, testing and commissioning of POLY PROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex/Popular/Beta/BBJ) with specified pressurerating PN (PRESSURE NOMINAL) and conforming to DIN 8077-8078 code i/c cost of solvent, specials ,making jharries complete in all respectas approved and directedby Engineer Incharge.(Internal/External Diameters mentioned).  <b>PN-20 pipe</b> ii)(3/4") 25 mm iii)(1") 32 mm vi)(2") 63 mm	523.00 1211.00 1050.00 Rft		P/Rft P/Rft P/Rft	
18	19/50.	Providing and fixing 1/2" dia Muslim Shower of Fasial /Master comprising of 1/2 "diaone-meter long rubber /CP flexible pipe and hand showers etc omplete in all respects as approved and directed by the Engineer Incharge.	25.00 No		Each	
19	19/8.	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe and waste coupling.	6.00 No.		Each	
20	19/3.	Providing and fitting Europeon Coupled set of Water Closet (WC) and flushing Cistern of PORT Abr and (full size) i/c thecost of CP /rubber connection ,thimble ,seat cover and rawal bolts complete in all respects asapproved and directed by the Engineer Incharge.	4.00 No		Each	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
21		Providing and fixing CP bath Room Set made of Sonex /Master /Faisal comprising of 3-NoTee stop cocks, lever type Basin Mixer ,double Bib Cock ,open wall shower ,Muslim shower ,waste coupling and bottle tap etc.complete in all respect as approved and directed by the Engineer incharge.				
	.19/52-iv	(iv) Open Type Wall Shower	30.00 No		Each	
		<a href="#">Plumbing Work (Non-Schedule Items)</a>			Total	
7	NS	P/F Looking glass imported quality complete in all respect and as approved by the Engineer Incharge.	111.00 Sft		P/ Sft	
8	NS	Providing & fixing floor trap Jali plastic complete in all respect and as approved by the Engineer Incharge.	33.00 No		Each	
9	NS	Providing & fixing floor trap Jali Stainlesssteel complete in all respect and as approved by the Engineer Incharge.	37.00 No		Each	
					Total	

Work No.7

The Islamia University of Bahawalpur

Construction of Girls Hostel No.1 at Baghdad-ul-Jadeed Campus

MRS Jul to Dec, 2021						
No.	Reff.	Description	Quantity	Rate	Unit	Amount
1	3/21	<b>Civil Work</b>  Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead 'upto one chain (30 m) and lift upto 5 ft. (1.5 m). b) In ordinary soil.	80500.00		%o Cft	
2	3/13	Rehandling of earthwork: Upto a lead of 50 ft. (15 m).	18500.00		%o Cft	
3	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4 ii) Ratio 1:4:8	3700.00 6850.00		% Cft % Cft	
4	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1: 4:8	4500.00		% Cft	
5	26/43	Spraying anti termite proofing by using liquid FMC Biflex 2.5%EC Mixing Ratio 1:50=137-Sft or using liquid MIRAGE Ali Akbar /RANGERS Auriga 5% SC Mixing Ability-HEXTAR Ratio 1:110=205-Sft or any other equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge	40796.00		Per Sft	
6	6/6	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects Type C (nominal mix 1: 2: 4)	500.00		Per Cft	
7	7/4	Pacca brick work in foundation and plinth in:- Cement, sand mortar: Ratio 1:6	31500.00		% Cft	
8	6/35	Providing and laying damp proof course of cement concrete 1:2: 4 (using cement, sand and shingle), including bitumen coating:- with one coat bitumen and one coat polythene sheet 500 gauge. 2" thick (50 mm)	4700.00		% Sft	
9	6/35	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- with one coat of bitumen and one coat of polythene sheet 500 gauge: Ratio 1:3 ¾ " thick (20 mm)	3150.00		% Sft	
10	3/15	Filling, watering and ramming earth under floors:- i) with surplus earth from foundation, etc. ii) with new earth excavated from outside,lead upto 1/4 mile	97500.00 1500.00		%o Cft %o Cft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
11	3/17	Transportation of earth all types when the total distance, including the lead covered in the item of work,is more than 1000 ft.(300 m) 'upto ¼ mile (400 m). for every 330 ft. (100 m) additional lead or part thereof, beyond ¼ mile (400 m) upto one mile. (1.60 Km.)	112000.00		%o Cft	
12	3/24 a+b	Compaction of earthwork (soft, ordinary or hard soil) :- a) Mixing, moistening earth to optimum moisture content in layers for compaction, etc. complete. b) Compaction by rolling with animal driven roller/hand rammed:soft or sandy soil	128500.00		%o Cft	
13	7/5	Pacca brick work in Cement, sand mortar:- Ratio 1:5 i) Ground Floor (7/5-i) ii) First Floor (7/5-i) + (7/6-i) ii) Second Floor	26500.00 27500.00 3400.00		% Cft % Cft % Cft	
14	7/5	Pacca brick work in Cement, sand mortar:- Ratio 1:4 i) Ground Floor (for 4.5" thick wall) ii) First Floor ii) Second Floor	700.00 980.00 850.00		% Cft % Cft % Cft	
15	11/10	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. Ratio 1:3	29500.00		% Sft	
16	11/9 +11/28	Cement plaster 1:4 upto 20' (6.00 m) height:- i) ½" (13 mm) thick (11/9-b) ii) 3/4" (20 mm) thick iii) 3/4" (20 mm) thick 20' to 30' height	65500.00 45700.00 23600.00		% Sft % Sft % Sft	
17	26/37	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. 500 gauge (.005" thick)	29500.00		Per Sft	
18	6/11	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars i) Deformed Bar 40-Grade ii) Deformed Bar 60-Grade	250.00 75500.00		% Kg % Kg	
19	6/6	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects Type B (nominal mix1:1½:3) using harrow sand i) Ground Floor (6/6(a-i)2 ii) First Floor (6/6(a-i)2+6/6-d) iii) Type C (nominal mix1:2:4) Ground Floor iv) Type C (nominal mix1:2:4) First Floor	8500.00 7650.00 1200.00 1200.00		Per Cft Per Cft Per Cft Per Cft	
20	7/30	Supplying and filling sand under floor; or plugging in wells	52000.00		% Cft	
21	6/2	Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.	12000.00		% Cft	
22	9/45	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation/Foam Board on roof or walls, Density 32-38Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water obsorbtion (1% by volume, cell structure clored cell) i/c cutting and placing in position complete in all respect 2" thick	13500.00		% Sft	
23	9/5	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof 'slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.mbitumen coating sand blinded. Second Floor (add 6% on composite rate)	13500.00		% Sft	
24	12/50	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges, Painting charges, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.	2750.00		Per Sft	
25	25/51	Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors,				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
		using delux section of M/s Al-Cop or Pakistan 'Cables, having chowkat frame of size 40 x 100 mm (1½" x '4") and leaf frame of 60x40mm (2½"x1½") wide all of sections including the cost of ¼" (5 mm) thick imported tinted 'glass				
26	25/52	with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved 'standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge. 2mm thickness  Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of M/s Al-Cop or Pakistan 'Cables having frame size of 100 x 20 mm (4"x¾") and 'leaf frame sections of 50 x 20 mm (2"x¾"), all of 2mm 'thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	400.00  3250.00		Per Sft  Per Sft	
27	25/53	Providing and fixing Aluminum Fly screen comprising of Fiber/ Aluminum wireguaze (Malasian) fixed in aluminum frame of approved manu facturer brownze Colour/powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge.	1250.00		Per Sft	
28	10/18	Extra labour for each storey above ground, for mosaic,conglomerate, tiles, stone and wooden floor.	6500.00		% Sft	
29	25/10 +11	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, 'tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including erection in position.	890.00		% Kg	
30	13/31	Preparing surface & painting with 3 coats Emulsion paint complete in all respects	112600.00		% Sft	
31	13/5	Painting new surface: Preparing surface and painting of doors and windows any type (including edges):- 3 coats	4800.00		% Sft	
32	13/32 A	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: new surface 2 coats i) upto 20' height ii) 20' to 30 height	17800.00 18300.00		% Sft % Sft	
33	12/7	Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bolt,lock and chowkats (frame), etc.) as approved and directed by the Engineer Incharge <b>Deodar wood Door 1.50" thick 40mm</b>	120.00		Per Sft	
34	13/43	Preparing surface and <b>Lacquar polish</b> to reveal wooden grains by application of multiple coats of wood sealer , sand papering with different no of sandpapers and Lacquar to make glossy surface finish i/c the cost of cotton, thinner, wood sealer complete in all respects as approved and directed by the Engineer Incharge. <b>Matt Finish</b>	280.00		Per Sft	
35	10/15	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- 3" thick	3200.00		% Sft	
36	12/61	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by the Engineer Incharge. iron sliding bolt, 12" (300 mm) long	90.00		Each	
37	10/40	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½"x3/8" (40x10mm)	1650.00		Per Rft	
38	9/15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	20.00		Each	
39	10/41	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
40	6/26	cushion i/c grouting with sand in joints i/c finishing to require slope (50% Grey / 50% Coloured) 60 mm thick  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	3500.00  550.00		P/Sft  Per Rft	
41	9/12	Two coats of bitumen laid hot using 34 lbs. per %Sft, or 1.72 Kg per square metre over roof and blinded with sand at one Cft. per %Sft. (0.003 cu.m per sq.m)	500.00		% Sft	
42	6/30	Providing embedding 10" (250 mm) wide ¼" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.	180.00		Per Rft	
43	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. <b>Lead 366 Km from Sargodha (or approved quarry to site of work)</b>	19500.00		% Cft	
44	10/42	Providing and laying superb quality <b>Porcelain glazed tiles flooring</b> of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. <b>Full body Glazed tiles</b>  (ii) 600mmx 600 mm	29500.00		Per Sft	
45	10/43	Providing and laying superb quality <b>Porcelain glazed tiles</b> of Master brand, <b>skirting/dado</b> of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. (ii) 600mmx 600 mm	3500.00		Per Sft	
46	10/47	Providing and laying 3/4" thick full width Prepolished <b>Marble slab for Vanities</b> / Shelves / Treads/ <b>Window Cills</b> , having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortor i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge. China Verona	1700.00		Per Sft	
47	10/48	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carborandam disc as approved and directed by the Engineer Incharge.	500.00		Per Rft	
48	10/49	Extra cost for making hole in Marble slab for fixtures, Sink,burners, basin Vanities i/c cost of bevelling of internal edge as approved and directed by the Engineer Incharge.	40.00		Each	
49	10/50	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed , complete in all respect as approved and directed by the Engineer Incharge <b>(for podium, Stair steps, Risers)</b> (i) 3/4" thick	2500.00		Per Sft	
50	10/24	Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	2250.00		Per Sft	



Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
51	10/25	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge.  12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	6300.00		Per Sft	
52	25/59	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (i) 3/8" Squar Bars	4000.00		Per Sft	
53	25/64	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c staines steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.	125.00		Per Sft	
54	12/62	Providing and fixing almirah shutter comprising of 3/4" thick both side Laminated/Glossy MDF (Karachi) sheet with 1"x3/4"deodar wood golla all around the leaf fixed on (3"x1") Kail wood frame i/c the cost of 1/2" full brass hinges, C.P.handles, catchers, screws, and rawal plugs, polishing/ paint ing 3 coat to gola & frame i/c the cost of locking arrangement complete in all respect as approved and directed by Engineer Incharge. <b>(for Floor Mounted Cabinet)</b>	4750.00		Per Sft	
55	12/58	Providing and fixing Vin board cabinet 3/4" thick with drawers 3"deep in 'Kitchen including termite proofing and polishing with synthetic enamel as specified, with handles hinges,screws etc., complete in all respects. <b>(for Wall Mounted Cabinet)</b>  1-1/2' deep,with back	150.00		Per Sft	
56	9/48	Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2'/2'x3'/ 3'x3'of specified design and thickness i/c cost of fixtures i.e galvanized angle 1" x 1" at wall sides, galvanized tee 1¼" x 1"and 1 ½" x 1" both at 4' c/c ( made of Taiwan CKM or equivalent), hanging with G.I/Copper wire 16 SWG, G.I hook, Rawal Plug etc: complete in all respects as approved and directed by the Engineer Incharge.  9 mm thick	500.00		Per Sft	
57	12/60	Providing and fixing 2" wide MS Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock hole covered with MS Box,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge.  i) 10.50 " wide ii) 5.5 " wide	2400.00 650.00		Per Sft Per Sft	
58	12/67	Providing and fixing autotomatic hydraulic operated door closer imported heavy duty complete in all respect as approved and directed by the Engineer Incharge.	10.00		Each	
59	25/62	P/F Iron door comprising of specified leaves made of 1-1/4" x1-1/4" x3/16" MS angle iron for leaf frame, diagonal and horizontal braces duly welded with MS. sheet 18-SWG i/c the cost of sliding bolt, tower bolt and painting 3-coats but excluding the cost of Chowkat complete in all respect as approved and directed by the Engineer incharge. Double Leaf	80.00		Per Sft	
60	18/23	Providing and fixing M.S Grating comprising of Angle Iron				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
61	7/38	frame size 1.50" x 1.50" x 3/16" and 1/2" square bars duly welded @ 4" c/c, including painting charges etc complete in all respect.	200.00		Per Sft	
		Providing and laying fair face Gutka cladding laid in (1:2) cement / red posso mortar having 1/4" thick groove finish i/c cost of 8 SWG wire in shape of 8 placed horizontally and vertically at 36" and 18" c/c respectively i/c cutting charges as per approved drawing excluding carriage charges complete in all respect as approved and directed by the Engineer Incharge.	22500.00		Per Sft	
62	12/57	2-1/4" x 3" x 9"				
		Providing and fixing ornamental wooden architrave 3" x (1½" tapered to ¼") all along the door frame complete in all respects Deodar wood architrave	1020.00		Per Sft	
					Total	
1	N.S	<b>Civil Work (Non-Schedule)</b> Structural excavation in any kind of soil above / below water level for levelling and grading of building, for raft / foundations and other structures upto any depth, and disposal of unsuitable / surplus excavated material outside the project premises at any lead, including restoration of any damages during excavation is the responsibility of contractor complete in all respects as per Specifications and as per approval of The Engineer.	28500.00		Per Cft	
2	N.S	Supplying, filling select fill material as specified in the drawing including all lead and lift dressing watering and compacting to produce in situ dry density not less than 95% modified AASHTO or as directed by the engineer	68088.00		Per Cft	
3	N.S	Providing and fixing 1½" (40mm) thick uPVC flush door of approved design & make, all hardware/ accessories chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect as approved by the engineer incharge	540.00		Per Sft	
4	N.S	Supply & installation Burner 36 Nozel with casing & round iron plate (pan) Complete in all respect and approved by Engineer Incharge.	5.00		Each	
5	N.S	Supply & installation Burner 24 Nozel with casing Complete in all respect and approved by Engineer Incharge.	1.00		Each	
6	N.S	Supply & installation Tandoor large size dia (25 Roti) complete in all respect and approved by Engineer inch.	1.00		Each	
7	N.S	Providing and fixing Steel Floor trap Jali complete in all respect as per specification and as approved by the Engineering Incharge.	60.00		Each	
8	N.S	Providing & Fixing Looking Glass 5-mm thick best quality,complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.	265.00		Per Sft	
					Total	
1	3/44	<b>Plumbing Work</b> Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, leveling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects.	10500.00		%oCft	
2	3/42	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- 0 ft. to 7.0 ft. (0 to 2.10 m) depth	12720.00		%oCft	
3	19/23	Providing and fixing BATHROOM ACCESSORIES (7-piece set) MASTER BRAND - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge.				
		i) Plastic soap dish	16.00		Each	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
4	19/1	ii) Plastic toilet paper holder	8.00		Each	
		iii) Plastic tower rail	16.00		Each	
		iii) Plastic shelf 60x13 cm (24:x5") with bracket and railing	4.00		Each	
		iv) Looking glass with plastic frame	4.00		Each	
5	19/2	Providing and fitting glazed earthen ware water closet European type, excluding seat and cover:- coloured	10.00		Each	
6	19/4	Providing and fixing, double seat and cover only. Bakelite	10.00		Each	
7	19/7	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. coloured	18.00		Each	
8	19/8	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.				
		i) white, with pedestal	6.00		Each	
9	19/52	ii) Under Counter Vanity Basin	24.00		Each	
		Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe and waste coupling.	4.00		Each	
10	23/47	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open wall shower, Muslim shower,waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge.				
		(i) 3 No Tee Stop Cock	90.00		Each	
		(ii) Lever Type Basin Mixer	24.00		Each	
		(iii) Double Bib Cock	6.00		Each	
11	23/46	(iv) Muslim shower	10.00		Each	
		v) Open Type Wall Shower	20.00		Each	
		Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex /Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned).				
		<b>PN-20 pipe</b>				
12	19/47	(i) (3/4") 25 mm	4000.00		Per Rft	
		(ii) (1") 32 mm	3500.00		Per Rft	
		(iii) (1-1/4") 40 mm	1000.00		Per Rft	
		Providing and fixing CP heavy duty brass Ball valve with CP handle of specified diameter made of Faisal/Sonex / Master best quality or equivalent complete in all respect as approved and directed by the Engineer Incharge.				
13	19/49	i) 1" dia	8.00		Each	
		ii) 1-1/4" dia	4.00		Each	
		iii) 1.50" dia	4.00		Each	
		iv) 2" dia	2.00		Each	
14	19/49	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized polyvinyl Chloride ) Nikasi/ waste pipe make of dadex /Popular/Beta/BBJ plain /socket ended conforming to code EN-1401 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.				
		<b>Type (SDR 41/SN-4)</b>				
		i) 3"(90 mm)	500.00		Per Rft	
		ii) 4"(110 mm)	1400.00		Per Rft	
15	19/49	iii) 6" (160 mm)	1000.00		Per Rft	
		Providing, laying, testing and commissioning underground Yellow Polyethelene flexible gas pipe Tubing of required IPS(Iron Pipe Size) in the trenches , made of (Dadex/ Popular / Beta/ BBJ ) for Gas supply i/c the cost of solvent and specials complete as approved and directed by the Engineer Incharge.				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
14	19/48	<b>SDR-11</b> (i) 1-1/4" (ii) 1" (iii) 1.50" Providing, fixing, testing and commissioning of µ-PVC (Unplasticized polyvinyl Chloride ) Nikasi/ waste pipe Fittings make of dadex /Popular/Beta/BBJ conforming to code EN-1401 ncluding the cost of Solvents complete in all respect as approved and directed by the Engineer Incharge.	500.00 1000.00 500.00		Per Rft Per Rft Per Rft	
		(a) P-Trap	60.00		Each	
		(i) 4" dia	10.00		Each	
15	19/13	(b) Vent Cowel				
		(i) 3" dia				
16	21/1	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete.	18.00		Each	
		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:				
17	19/27	Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete. iii) 225 mm (9:) i/d	500.00		Rft	
18	19/42	Providing and fixing chromium plated bib cock:- 1.5 cm (½")	17.00		Each	
		Providing and fitting chromium plated or oxidised, gas cock 6mm (1/4") Two way	5.00		Each	
					<b>Total</b>	
1	24/3	<b>Electrical Work</b> Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries,and repairing surface, etc., complete with all specials. i) 1.50" i/d (40 mm) ii) 2" i/d (50 mm)	650.00 950.00		Per M Per M	
2	24/6 ii	Supply and erection of PVC pipe for recessed wiring main and submain) purpose, i/c bends, specials etc in floor, walls or trenches: 3" i/d (80 mm)	1000.00		Per M	
3	24/10	Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only). 250/440 volts, PVC insulated:				
		i) 7/1.63 mm (7/0.064")	1600.00		Per M	
		ii) 19/1.32 mm (19/0.052")	1500.00		Per M	
		iii) 19/1.63 mm (19/0.064")	600.00		Per M	
4	24/13	Supply and erection of copper conductor cables for service connection, in prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable:-				
		i) 7/1.63 mm (7/0.064")	480.00		Per M	
		ii) 19/1.32 mm (19/0.052")	350.00		Per M	
5	24/30	Supply and erection of ceiling rose, bakelite.	150.00		Each	
6	24/103	P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge <b>a) One way Gange Switch</b> <b>Small</b> i) 02 Gange ii) 03 Gange iii) Three pin Light Plug 10/13 Amp	10.00 10.00 300.00		Each Each Each	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
7	24/102	iv) Fan Dimmer	90.00		Each	
		v) Three Pin Power Plug 15-32 Amp	90.00		Each	
		<b>Large</b>				
		i) 04 Gange	40.00		Each	
		ii) 05 Gange	30.00		Each	
		iii) 06 Gange	100.00		Each	
		Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. <b>a) Plastic body</b> i) 12" dia	40.00		Each	
8	24/96	Suplying,Installation,testing and commissioning of 415-Volt ,4 Pole (TP+N) compact Copper Busway (Bus Tie Duct B.T.D) of specified size/rating comprising of 10 mm thick sandwich copper Bus bars,insulated with non-flammable/flame resistant resin applied at 130 OC by Automatic Electro- static application with Mayler Class-B, housed in Aluminium Housing i/c the cost of hangers, accessories,enclosures IP55, IEC 61439-1, complete in all respect,spaced to a minimum reducing reactance as approved & directed by the Engineer Incharge (i) 400 Amp (ii) 630 Amp (iii) 1250 Amp (iv) 1600 Amp	3.00 3.00 4.00 5.00		Per Rft Per Rft Per Rft Per Rft	
1	N.S	<b>Electrical Work (Non-Schedule)</b> 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	800.00		Each	
2	N.S	Circuit wiring from MCBs board to gang switch board/multi light plug with 3-Nos of 2.5 mm² (7/0.029") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 25mm (1") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	275.00		Each	
3	N.S	Wiring of light or fan from point to point with 3-Nos of 1.5 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	60.00		Each	
4	N.S	Wiring of Multi/light plug from point to point with 3-Nos of 2.5 mm² (7/0.029") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 20mm (¾") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	175.00		Each	
5	N.S	Circuit wiring from MCBs board to Power Plug with 3-Nos of 6 mm² (7/0.044") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 25mm (1") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	125.00		Each	
6	N.S	Supply & installation of LED 24W Down Light (Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Meson or Equivalent)	300.00		Each	
7	N.S	Supply & installation of LED 600 x 600mm Ceilling Panel Light 36W (220V~, CW or WW) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips RC0488 or	30.00		Each	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
8	N.S	Equivalent) Supply & installation of LED search light 100W (220V~, CW or WW) with fitting arrangement for installation on walls, parapet, pole or etc. i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips BVP 151 or Equivalent)	26.00		Each	
9	N.S	Providing & Fixing of LED Wall Light 15 Watt i/c any accessories (i.e. screw. Rawl plug or steel nail, etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge. (WL008C OVAL Philips)	45.00		Each	
10	N.S	Supply & installation of Wall Mounted LED Batten Light 20W (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Slimline or Equivalent)	350.00		Each	
11	N.S	Supply & installation of PVC Fan Box with iron bar i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (GM, Bita or equivalent)	120.00		Each	
12	N.S	Supply & installation of Ceiling Fans, 56" sweep (As per "Pakistan Energy Lable" certified manufacturers). i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	90.00		Each	
13	N.S	Supply & installation of 2' x 2' False Ceiling Fan 18" swipe (99.99% Copper), remote controlled i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Royal, Super-asia or Equivalent)	4.00		Each	
14	N.S	Supply & installation of Wall Bracket Fan 24" (99.99% Copper) i/c any accessories (i.e. mounting screws & etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Younis, Tamoor, Pakfan or Equivalent)	8.00		Each	
15	N.S	Supply, installation, connection & commissioning of Main distribution boards, (DBs), Floor Standing design, made of M.S. Sheet 14 SWG with hinged door, handle, catchers and 2 coats of Approved paint, (Size 5'x6'x18") including Incoming Main MCCB (Adjustable Thermal-Magnetic/Electronic Trip 60/100%) 3-P, 630 A (70KA) 1.00 No, For DB-N (Main MCCB Adjustable Thermal-Magnetic/Electronic Trip 60/100%) 3-P, 400A (70KA) 1.00 No and distribution MCCB 3-P, 100A (36KA) 10.00 Nos) & for DB-E (Main MCCB Adjustable Thermal-Magnetic/Electronic Trip 60/100%) 3-P, 250A (35KA) 1.00 No and distribution MCCB 3-P, 63A (7.5KA) 10.00 Nos) respectively, Digital Volt, Selector switches, LED Phase lights, Earthing bar and any accessories required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Legrand, GE,Schneider, Siemens, Terasaki, ABB or equivalent)(Copper Busbar TP-N will be paid separately via MRS item as per measurement at site)	1.00		Each	
16	N.S	Supply, installation, connection & commissioning of distribution boards, (Sub Main DB-E), Recessed type Wall mounted design, made of M.S. Sheet 18 SWG with hinged glass door, handle, and 2 coats of Approved paint, (Size 18"x24") including Incoming Main Molded Case Circuit Breaker of 3-P, 63 A (7.5 KA) 1.00 No, Distribution Miniature Circuit Breaker of 1-P, 6~40 A (6KA) 18.00 Nos, LED phase light volt meter type (RYB), Earthling bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Legrand, GE,Schneider, Siemens, Terasaki, ABB or equivalent).	10.00		Each	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
17	N.S	Supply, installation, connection & commissioning of distribution boards, (Sub Main DB-N), Recessed type Wall mounted design, made of M.S. Sheet 18 SWG with hinged glass door, handle, and 2 coats of Approved paint, (Size 18"x24") including Incoming Main Molded Case Circuit Breaker of 3-P, 100A (25 KA) 1.00 No, Distribution Miniature Circuit Breaker of 1-P, 6~40A (6KA) 24.00 Nos, LED phase light volt meter type (RYB), Earthling bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Legrand, GE,Schneider, Siemens, Terasaki, ABB or equivalent).	10.00		Each	
18	N.S	Providing and Laying earthing for Electric Machines I/c boring up to moisture level (up to 60' below ground level) 4" i/d including copper strip 14" x 2" x 1/4" (350 x 50 x 6 mm) connecting with 1 Nos.bare copper wire of No.8 SWG to be run in PVC pipe 20mm i/d, 1¼" i/d GI pipe 5' long, GI tee & plug for watering also includs common salt, Lime (slaked) & charcoal around copper strip I/c connecting with Electric machine. Complete in all respects as approved and as directed by the engineer incharge.	4.00		Each	
					Total	
1	7/30	External Civil Work Supplying and filling sand under floor; or plugging in wells.	2400.00		% Cft	
2	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1:6:12	3336.00		% Cft	
3	10/41	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope. Complete in all respect. (50% Grey / 50% Coloured) 60mm thick	5000.00		Per Sft	
4	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	100.00		% Cft	
5	6/6	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects Type C (nominal mix 1: 2: 4)	100.00		Per Cft	
6	6/51	Providing and fixing precast Edge Kerb Stone (4"to 6" thick), of 3500 PSI Compressive Strength, embedded in PCC 1:2:4 over lean concrete 1:4:8 etc complete in all respect. Without Painting 14" High	200.00		Per Rft	
					Total	
1	3/42	External Plumbing Work Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- 0 ft. to 7.0 ft. (0 to 2.10 m) depth	15850.00		%o Cft	
2	21/1	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete. i) 225 mm (9") i/d ii) 6" i/d	400.00 75.00		Per Rft Per Rft	
3	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1:4:8	600.00		% Cft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
4	7/4	Pacca brick work in foundation & plinth:- cement, sand mortar:- Ratio 1:4	550.00		% Cft	
5	11/9	Cement plaster 1:3 upto 20' (6.00 mm) height:- i) 3/4" thick ii) ½" thick	1500.00 1250.00		% Sft % Sft	
6	3/44	Excavation of trenches in all kinds of soil, except cutting rock, for water supply pipe lines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, levelling the beds of trenches to correct grade and cutting pits for joints, etc	3500.00		%o Cft	
7	21/15A	Providing and fixing 6" thick R.C.C. manhole cover with tee shaped C.I. frame of 22" I/d (frame weighing 37.324 Kg. or one maund as per Standard Drawing STD/PD No. 6, of 1977, complete in all respect.	20.00		Each	
8	24/42	Making connection for new watersupply lines with the running main, including excavation of trench and refilling, complete, but excluding cost of pipe and specials, etc. Diameter of running main: i) upto 6" i/d (150 mm) ii) upto 8" i/d (200 mm)	1.00 2.00		P.Con P.Con	
9	23/43	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working presure pipe in trenches. complete in all respects PN-10 (SDR-17) 3" (90mm)	350.00		Per Rft	
					<b>Total</b>	
1	24/3	<b>External Electrical Work</b> Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries,and repairing surface, etc., complete with all specials. 1" i/d (25 mm)	2000.00		Per Rft	
2	24/10	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only). 250/440 volts, PVC insulated:7/1.12 mm (7/0.044")	4000.00		Per Rft	
3	24/18	Supply and erection of iron/aluminum clad, 500 volts main switches with kitkat fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including bonding to earth with necessary flexible pipe and thimbles, etc. Double pole:- 30/35 Amp.	3.00		Each	
4	3/1-b	Earthwork excavation underessed lead upto a single throw of Kassi, phaorah or shovel:- In ordinary soil.	4500.00		%o Cft	
5	24/13 d-xi	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG. 185 mm sq (37/0.103)	200.00		Per M	
6	24/68	Supplying,installation testing and commissioning of Octagonal shape electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel, tapered from 225 mm at bottom to 100 mm at top,with 1500 mmx60 mm dia. arm for luminaire installation, duly G.I.welded with 470x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet,with built in junction box with shutter,i/c the cost of nuts & J-rag bolts, duly fixed in prelaid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer Incharge. <b>Double Arm 10 mtr height</b>	20.00		Each	
7	24/69 C-v-i	Supplying, installation and commissioning of LED Cobra-head Luminaries of specified wattage and lumens conforming to IP 65, Philips/Osram/Thorn with corrosion resistant die casted aluminum housing, silicon gas kit,				



Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
8	24/105	thermally hardened glass complete with LED drivers, surge protection i/c the cost of all accessories/components required for proper operation , fully flexible for future upgradation and easy replacements for maintenance purposes,bucket elevator charges as approved and directed by the Engineer. <b>120 Lm/Watt</b> 120 Watt with 14400 Lumens	40.00		Each	
		Supply, insatllation, commissioning and testing of oil cooled type, Step down Power Transformer of specified rating,11/0.415 kV, i/c the cost of lifting hooks, thermometers, LT & HT bushing 5-steps, tap changer, imported double float buchholz relay, 2 earthing terminals, roller wheels, connecting terminals for cables M.S box on transformer in order to cover complete L.T side, all necessary materials required for connections on H.T & L.T side, rated voltage 11000/415/240 V impedance 6.25% or as specified by WAPDA/IEC system earth: Delta / Star, neutral solidly earthed, i/c Wapda testing charges,complete in all respects made of PEL, Siemens, as approved and directed by the Engineer Incharge <b>200 KVA</b>	1.00		Each	
					<b>Total</b>	
		<b>External Electrical (Non-Schedule)</b>				
1	N.S	Supply & installation of 11-KV Dropout Fuse assemblies Set i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	1.00		Each	
2	N.S	Supply & Installation of 11KV Pin Insulator i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	3.00		Each	
3	N.S	Supply & installation of Creosoted Wooden cross arm on steel structure pole with galvanized steel bracing & bolts i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	2.00		Each	
4	N.S	Manufacturing and erection of galvanized angle iron lattice steel structure HT pole of size 34'-8" long using high tensile steel angle 1¼"x1¼"x3/16" with MS angle iron and 1"x1"x¼" and flat iron 2"x¼"bracing, weighing 200±3%kg i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	1.00		Each	
5	N.S	Manufacturing and erection of galvanized angle iron lattice steel structure LT pole of size 30'-8" long using high tensile steel angle 1¼"x1¼"x3/16" with MS angle iron and 1"x1"x¼" and flat iron 2"x¼"bracing, weighing 130±3%kg i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	1.00		Each	
6	N.S	Supply and installation of Double pole Plate Farm for 200KVA Transformer (Rs.Joist size 4"x8" with cross, welding, nut bolts i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	1.00		Each	
					<b>Total</b>	

Work No.08

The Islamia University of Bahawalpur

Construction of Girls Hostel No.2 at Baghdad-ul-Jadeed Campus

MRS Jul to Dec, 2021						
No.	Reff.	Description	Quantity	Rate	Unit	Amount
1	3/21	<b>Civil Work</b>  Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead 'upto one chain (30 m) and lift upto 5 ft. (1.5 m). b) In ordinary soil.	80500.00		%o Cft	
2	3/13	Rehandling of earthwork: Upto a lead of 50 ft. (15 m).	18500.00		%o Cft	
3	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4 ii) Ratio 1:4:8	3700.00 6850.00		% Cft % Cft	
4	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
5	26/43	to 50 mm) gauge, in foundation and plinth:- Ratio 1: 4:8  Spraying anti termite proofing by using liquid FMC Biflex 2.5%EC Mixing Ratio 1:50=137-Sft or using liquid MIRAGE Ali Akbar /RANGERS Auriga 5% SC Mixing Ability-HEXTAR Ratio 1:110=205-Sft or any other equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge	4500.00  40796.00		% Cft  Per Sft	
6	6/6	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects Type C (nominal mix 1: 2: 4)	500.00		Per Cft	
7	7/4	Pacca brick work in foundation and plinth in:- Cement, sand mortar: Ratio 1:6	31500.00		% Cft	
8	6/35	Providing and laying damp proof course of cement concrete 1:2: 4 (using cement, sand and shingle), including bitumen coating:- with one coat bitumen and one coat polythene sheet 500 gauge. 2" thick (50 mm)	4700.00		% Sft	
9	6/35	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- with one coat of bitumen and one coat of polythene sheet 500 gauge: Ratio 1:3 ¾ " thick (20 mm)	3150.00		% Sft	
10	3/15	Filling, watering and ramming earth under floors:- i) with surplus earth from foundation, etc. ii) with new earth excavated from outside,lead upto 1/4 mile	97500.00  1500.00		%o Cft  %o Cft	
11	3/17	Transportation of earth all types when the total distance, including the lead covered in the item of work,is more than 1000 ft.(300 m) 'upto ¼ mile (400 m). for every 330 ft. (100 m) additional lead or part thereof, beyond ¼ mile (400 m) upto one mile. (1.60 Km.)	112000.00		%o Cft	
12	3/24 a+b	Compaction of earthwork (soft, ordinary or hard soil) :- a) Mixing, moistening earth to optimum moisture content in layers for compaction, etc. complete. b) Compaction by rolling with animal driven roller/hand rammed:soft or sandy soil	128500.00		%o Cft	
13	7/5	Pacca brick work in Cement, sand mortar:- Ratio 1:5 i) Ground Floor (7/5-i) ii) First Floor (7/5-i) + (7/6-i) ii) Second Floor	26500.00 27500.00 3400.00		% Cft % Cft % Cft	
14	7/5	Pacca brick work in Cement, sand mortar:- Ratio 1:4 i) Ground Floor (for 4.5" thick wall) ii) First Floor ii) Second Floor	700.00 980.00 850.00		% Cft % Cft % Cft	
15	11/10	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. Ratio 1:3	29500.00		% Sft	
16	11/9	Cement plaster 1:4 upto 20' (6.00 m) height:- i) ½" (13 mm) thick (11/9-b) ii) 3/4" (20 mm) thick	65500.00 45700.00		% Sft % Sft	
	+11/28	iii) 3/4" (20 mm) thick 20' to 30' height	23600.00		% Sft	
17	26/37	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. 500 gauge (.005" thick)	29500.00		Per Sft	
18	6/11	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars i) Deformed Bar 40-Grade ii) Deformed Bar 60-Grade	250.00 75500.00		% Kg % Kg	
19	6/6	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects Type B (nominal mix1:1½:3)				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
		using harrow sand i) Ground Floor (6/6(a-i)2 ii) First Floor (6/6(a-i)2+6/6-d) iii) Type C (nominal mix1:2:4) Ground Floor iv) Type C (nominal mix1:2:4) First Floor	8500.00 7650.00 1200.00 1200.00		Per Cft Per Cft Per Cft Per Cft	
20	7/30	Supplying and filling sand under floor; or plugging in wells	52000.00		% Cft	
21	6/2	Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.	12000.00		% Cft	
22	9/45	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation/Foam Board on roof or walls, Density 32-38Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water obsorbtion (1% by volume, cell structure clored cell) i/c cutting and placing in position complete in all respect 2" thick	13500.00		% Sft	
23	9/5	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof 'slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.mbitumen coating sand blinded. Second Floor (add 6% on composite rate)	13500.00		% Sft	
24	12/50	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges, Painting charges, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.	2750.00		Per Sft	
25	25/51	Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/s Al-Cop or Pakistan 'Cables, having chowkat frame of size 40 x 100 mm (1½" x '4") and leaf frame of 60x40mm (2½"x1½") wide all of sections including the cost of ¼" (5 mm) thick imported tinted 'glass				
		with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved 'standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge. 2mm thickness	400.00		Per Sft	
26	25/52	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of M/s Al-Cop or Pakistan 'Cables having frame size of 100 x 20 mm (4"x¾") and 'leaf frame sections of 50 x 20 mm (2"x¾"), all of 2mm 'thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	3250.00		Per Sft	
27	25/53	Providing and fixing Aluminum Fly screen comprising of Fiber/ Aluminum wireguaze (Malasian) fixed in aluminum frame of approved manu facturer brownze Colour/powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge.	1250.00		Per Sft	
28	10/18	Extra labour for each storey above ground, for mosaic,conglomerate, tiles, stone and wooden floor.	6500.00		% Sft	
29	25/10 +11	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, 'tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including erection in position.	890.00		% Kg	
30	13/31	Preparing surface & painting with 3 coats Emulsion paint complete in all respects	112600.00		% Sft	
31	13/5	Painting new surface: Preparing surface and painting of doors and windows any type (including edges):- 3 coats	4800.00		% Sft	
32	13/32 A	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: new surface 2 coats				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
33	+13/39	i) upto 20' height ii) 20' to 30 height	17800.00 18300.00		% Sft % Sft	
	12/7	Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bolt,lock and chowkats (frame), etc.) as approved and directed by the Engineer Incharge <b>Deodar wood Door 1.50" thick 40mm</b>	120.00		Per Sft	
	13/43	Preparing surface and <b>Lacquer polish</b> to reveal wooden grains by application of multiple coats of wood sealer , sand papering with different no of sandpapers and Lacquer to make glossy surface finish i/c the cost of cotton, thinner, wood sealer complete in all respects as approved and directed by the Engineer Incharge. <b>Matt Finish</b>	280.00		Per Sft	
35	10/15	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- 3" thick	3200.00		% Sft	
36	12/61	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by the Engineer Incharge. iron sliding bolt, 12" (300 mm) long	90.00		Each	
37	10/40	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½"x3/8" (40x10mm)	1650.00		Per Rft	
38	9/15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	20.00		Each	
39	10/41	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope (50% Grey / 50% Coloured) 60 mm thick	3500.00		P/Sft	
40	6/26	Providing and fixing 6 in(150 mm). wide curved sheet of required shape fixed on face of the construction joint with G.I.screw,1.5 in (40 mm) long to cover construction joints vertically:- G.I. sheet, 18 SWG	550.00		Per Rft	
41	9/12	Two coats of bitumen laid hot using 34 lbs. per %Sft, or 1.72 Kg per square metre over roof and blinded with sand at one Cft. per %Sft. (0.003 cu.m per sq.m)	500.00		% Sft	
42	6/30	Providing embedding 10" (250 mm) wide ¼" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.	180.00		Per Rft	
43	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. <b>Lead 366 Km from Sargodha (or approved quarry to site of work)</b>	19500.00		% Cft	
44	10/42	Providing and laying superb quality <b>Porcelain glazed tiles flooring</b> of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. <b>Full body Glazed tiles</b>				
		(ii) 600mmx 600 mm	29500.00		Per Sft	
45	10/43	Providing and laying superb quality <b>Porcelain glazed tiles</b> of Master brand, <b>skirting/dado</b> of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. (ii) 600mmx 600 mm	3500.00		Per Sft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
46	10/47	Providing and laying 3/4" thick full width Prepolished <b>Marble slab for Vanities</b> / Shelves / Treads/ <b>Window Cills</b> , having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortar i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge. China Verona	1700.00		Per Sft	
47	10/48	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carborandam disc as approved and directed by the Engineer Incharge.	500.00		Per Rft	
48	10/49	Extra cost for making hole in Marble slab for fixtures, Sink,burners, basin Vanities i/c cost of bevelling of internal edge as approved and directed by the Engineer Incharge.	40.00		Each	
49	10/50	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortar bed , complete in all respect as approved and directed by the Engineer Incharge <b>(for podium, Stair steps, Risers)</b> (i) 3/4" thick	2500.00		Per Sft	
50	10/24	Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	2250.00		Per Sft	
51	10/25	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge.  12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	6300.00		Per Sft	
52	25/59	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (i) 3/8" Squar Bars	4000.00		Per Sft	
53	25/64	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c staines steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.	125.00		Per Sft	
54	12/62	Providing and fixing almirah shutter comprising of 3/4" thick both side Laminated/Glossy MDF (Karachi) sheet with 1"x3/4"deodar wood golla all around the leaf fixed on (3"x1") Kail wood frame i/c the cost of 1/2" full brass hinges, C.P.handles, catchers, screws, and rawal plugs, polishing/ paint ing 3 coat to gola & frame i/c the cost of locking arrangement complete in all respect as approved and directed by Engineer Incharge. <b>(for Floor Mounted Cabinet)</b>	4750.00		Per Sft	
55	12/58	Providing and fixing Vin board cabinet 3/4" thick with drawers 3"deep in 'Kitchen including termite proofing and polishing with synthetic enamel as specified, with handles hinges,screws etc., complete in all respects. <b>(for Wall Mounted Cabinet)</b>  1-1/2' deep,with back	150.00		Per Sft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
56	9/48	Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2'/2'x3'/ 3'x3'of specified design and thickness i/c cost of fixtures i.e galvanized angle 1" x 1" at wall sides, galvanized tee 1¼" x 1"and 1 ½" x 1" both at 4' c/c ( made of Taiwan CKM or equivalent), hanging with G.I/Copper wire 16 SWG, G.I hook, Rawal Plug etc: complete in all respects as approved and directed by the Engineer Incharge.  9 mm thick	500.00		Per Sft	
57	12/60	Providing and fixing 2" wide MS Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock hole covered with MS Box,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge.  i) 10.50 " wide ii) 5.5 " wide	2400.00 650.00		Per Sft Per Sft	
58	12/67	Providing and fixing autotomatic hydraulic operated door closer imported heavy duty complete in all respect as approved and directed by the Engineer Incharge.	10.00		Each	
59	25/62	P/F Iron door comprising of specified leaves made of 1-1/4" x1-1/4" x3/16" MS angle iron for leaf frame, diagonal and horizontal braces duly welded with MS. sheet 18-SWG i/c the cost of sliding bolt, tower bolt and painting 3-coats but excluding the cost of Chowkat complete in all respect as approved and directed by the Engineer incharge. Double Leaf	80.00		Per Sft	
60	18/23	Providing and fixing M.S Grating comprising of Angle Iron frame size 1.50" x 1.50" x 3/16" and 1/2" square bars duly welded @ 4" c/c, including painting charges etc complete in all respect.	200.00		Per Sft	
61	7/38	Providing and laying fair face Gutka cladding laid in (1:2) cement / red posso mortar having 1/4" thick groove finish i/c cost of 8 SWG wire in shape of 8 placed horizontally and vertically at 36" and 18" c/c respectively i/c cutting charges as per approved drawing excluding carriage charges complete in all respect as approved and directed by the Engineer Incharge. 2-1/4" x 3" x 9"	22500.00		Per Sft	
62	12/57	Providing and fixing ornamental wooden architrave 3" x (1½" tapered to ¼") all along the door frame complete in all respects Deodar wood architrave	1020.00		Per Sft	
					<b>Total</b>	
1	N.S	<b>Civil Work (Non-Schedule)</b> Structural excavation in any kind of soil above / below water level for levelling and grading of building, for raft / foundations and other structures upto any depth, and disposal of unsuitable / surplus excavated material outside the project premises at any lead, including restoration of any damages during excavation is the responsibility of contractor complete in all respects as per Specifications and as per approval of The Engineer.	28500.00		Per Cft	
2	N.S	Supplying, filling select fill material as specified in the drawing including all lead and lift dressing watering and compacting to produce in situ dry density not less than 95% modified AASHTO or as directed by the engineer	68088.00		Per Cft	
3	N.S	Providing and fixing 1½" (40mm) thick uPVC flush door of approved design & make, all hardware/ accessories chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect as approved by the engineer incharge	540.00		Per Sft	
4	N.S	Supply & installation Burner 36 Nozel with casing & round iron plate (pan) Complete in all respect and approved by Engineer Incharge.	5.00		Each	
5	N.S	Supply & installation Burner 24 Nozel with casing Complete				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
		in all respect and approved by Engineer Incharge.	1.00		Each	
6	N.S	Supply & installation Tandoor large size dia (25 Roti) complete in all respect and approved by Engineer inch.	1.00		Each	
7	N.S	Providing and fixing Steel Floor trap Jali complete in all respect as per specification and as approved by the Engineering Incharge.	60.00		Each	
8	N.S	Providing & Fixing Looking Glass 5-mm thick best quality,complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.	265.00		Per Sft	
					<b>Total</b>	
1	3/44	<b>Plumbing Work</b> Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, leveling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects.	10500.00		%oCft	
2	3/42	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- 0 ft. to 7.0 ft. (0 to 2.10 m) depth	12720.00		%oCft	
3	19/23	Providing and fixing BATHROOM ACCESSORIES (7-piece set) MASTER BRAND - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge. i) Plastic soap dish ii) Plastic toilet paper holder iii) Plastic tower rail iii) Plastic shelf 60x13 cm (24:x5") with bracket and railing iv) Looking glass with plastic frame	16.00 8.00 16.00 4.00 4.00		Each Each Each Each Each	
4	19/1	Providing and fitting glazed earthen ware water closet European type, excluding seat and cover:- coloured	10.00		Each	
5	19/2	Providing and fixing, double seat and cover only. Bakelite	10.00		Each	
6	19/4	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. coloured	18.00		Each	
7	19/7	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. i) white, with pedestal ii) Under Counter Vanity Basin	6.00 24.00		Each Each	
8	19/8	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe and waste coupling.	4.00		Each	
9	19/52	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open wall shower, Muslim shower,waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge.  (i) 3 No Tee Stop Cock	90.00		Each	
		(ii) Lever Type Basin Mixer	24.00		Each	
		(iii) Double Bib Cock	6.00		Each	
		(iv) Muslim shower	10.00		Each	
		v) Open Type Wall Shower	20.00		Each	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
10	23/47	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex /Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned).  <b>PN-20 pipe</b> (i) (3/4") 25 mm (ii) (1") 32 mm (iii) (1-1/4") 40 mm	4000.00 3500.00 1000.00		Per Rft Per Rft Per Rft	
11	23/46	Providing and fixing <b>CP heavy duty brass Ball valve</b> with CP handle of specified diameter made of Faisal/Sonex / Master best quality or equivalent complete in all respect as approved and directed by the Engineer Incharge.  i) 1" dia ii) 1-1/4" dia iii) 1.50" dia iv) 2" dia	8.00 4.00 4.00 2.00		Each Each Each Each	
12	19/47	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized polyvinyl Chloride ) Nikasi/ waste pipe make of dadex /Popular/Beta/BBJ plain /socket ended conforming to code EN-1401 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.  <b>Type (SDR 41/SN-4)</b> i) 3"(90 mm) ii) 4"(110 mm) iii) 6" (160 mm)	500.00 1400.00 1000.00		Per Rft Per Rft Per Rft	
13	19/49	Providing, laying, testing and commissioning underground Yellow Polyethelene flexible gas pipe Tubing of required IPS(Iron Pipe Size) in the trenches , made of (Dadex/ Popular / Beta/ BBJ ) for Gas supply i/c the cost of solvent and specials complete as approved and directed by the Engineer Incharge.  <b>SDR-11</b> (i) 1-1/4" (ii) 1" (iii) 1.50"	500.00 1000.00 500.00		Per Rft Per Rft Per Rft	
14	19/48	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized polyvinyl Chloride ) Nikasi/ waste pipe Fittings make of dadex /Popular/Beta/BBJ conforming to code EN-1401 ncluding the cost of Solvents complete in all respect as approved and directed by the Engineer Incharge.  (a) P-Trap (i) 4" dia (b) Vent Cowel (i) 3" dia	60.00 10.00		Each Each	
15	19/13	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete.	18.00		Each	
16	21/1	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911:				
		Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete. iii) 225 mm (9:) i/d	500.00		Rft	
17	19/27	Providing and fixing chromium plated bib cock:- 1.5 cm (½")	17.00		Each	
18	19/42	Providing and fitting chromium plated or oxidised, gas cock 6mm (1/4") Two way	5.00		Each	
					<b>Total</b>	
		<b>Electrical Work</b>				



Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
1	24/3	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries,and repairing surface, etc., complete with all specials. i) 1.50" i/d (40 mm) ii) 2" i/d (50 mm)	650.00 950.00		Per M Per M	
2	24/6 ii	Supply and erection of PVC pipe for recessed wiring main and submain) purpose, i/c bends, specials etc in floor, walls or trenches: 3" i/d (80 mm)	1000.00		Per M	
3	24/10	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only). 250/440 volts, PVC insulated: i) 7/1.63 mm (7/0.064") ii) 19/1.32 mm (19/0.052") iii) 19/1.63 mm (19/0.064")	1600.00 1500.00 600.00		Per M Per M Per M	
4	24/13	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable:- i) 7/1.63 mm (7/0.064") ii) 19/1.32 mm (19/0.052")	480.00 350.00		Per M Per M	
5	24/30	Supply and erection of ceiling rose, bakelite.	150.00		Each	
6	24/103	P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge <b>a) One way Gange Switch</b> <b>Small</b> i) 02 Gange ii) 03 Gange iii) Three pin Light Plug 10/13 Amp iv) Fan Dimmer v) Three Pin Power Plug 15-32 Amp <b>Large</b> i) 04 Gange ii) 05 Gange iii) 06 Gange	10.00 10.00 300.00 90.00 90.00 40.00 30.00 100.00		Each Each Each Each Each Each Each Each	
7	24/102	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. <b>a) Plastic body</b> i) 12" dia	40.00		Each	
8	24/96	Suplying,Installation,testing and commissioning of 415-Volt ,4 Pole (TP+N) compact Copper Busway (Bus Tie Duct B.T.D) of specified size/rating comprising of 10 mm thick sandwich copper Bus bars,insulated with non-flammable/flare resistant resin applied at 130 OC by Automatic Electro- static application with Mayler Class-B, housed in Aluminium Housing i/c the cost of hangers, accessories,enclosures IP55, IEC 61439-1, complete in all respect,spaced to a minimum reducing reactance as approved & directed by the Engineer Incharge (i) 400 Amp (ii) 630 Amp (iii) 1250 Amp (iv) 1600 Amp	3.00 3.00 4.00 5.00		Per Rft Per Rft Per Rft Per Rft	
Electrical Work (Non-Schedule)						
Total						

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
1	N.S	Wiring of light or fan point from switch board to the point with 3-Nos of 1.5 mm² (3/0.029") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 20mm (3/4") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	800.00		Each	
2	N.S	Circuit wiring from MCBs board to gang switch board/multi light plug with 3-Nos of 2.5 mm² (7/0.029") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 25mm (1") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	275.00		Each	
3	N.S	Wiring of light or fan from point to point with 3-Nos of 1.5 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	60.00		Each	
4	N.S	Wiring of Multi/light plug from point to point with 3-Nos of 2.5 mm² (7/0.029") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 20mm (¾") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	175.00		Each	
5	N.S	Circuit wiring from MCBs board to Power Plug with 3-Nos of 6 mm² (7/0.044") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 25mm (1") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	125.00		Each	
6	N.S	Supply & installation of LED 24W Down Light (Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Meson or Equivalent)	300.00		Each	
7	N.S	Supply & installation of LED 600 x 600mm Ceilling Panel Light 36W (220V~, CW or WW) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips RC0488 or Equivalent)	30.00		Each	
8	N.S	Supply & installation of LED search light 100W (220V~, CW or WW) with fitting arrangement for installation on walls, parapet, pole or etc. i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips BVP 151 or Equivalent)	26.00		Each	
9	N.S	Providing & Fixing of LED Wall Light 15 Watt i/c any accessories (i.e. screw. Rawl plug or steel nail, etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge. (WL008C OVAL Philips)	45.00		Each	
10	N.S	Supply & installation of Wall Mounted LED Batten Light 20W (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Slimline or Equivalent)	350.00		Each	
11	N.S	Supply & installation of PVC Fan Box with iron bar i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (GM, Bita or equivalent)	120.00		Each	
12	N.S	Supply & installation of Ceiling Fans, 56" sweep (As per "Pakistan Energy Lable" certified manufacturers). i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	90.00		Each	
13	N.S	Supply & installation of 2' x 2' False Ceiling Fan 18" swipe (99.99% Copper), remote controlled i/c any accessories				

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
14	N.S	required at site. Complete in all respect as directed and approved by the Engineer Incharge (Royal, Super-asia or Equivalent)	4.00		Each	
15	N.S	Supply & installation of Wall Bracket Fan 24" (99.99% Copper) i/c any accessories (i.e. mounting screws & etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Younis, Tamoor, Pakfan or Equivalent)	8.00		Each	
16	N.S	Supply, installation, connection & commissioning of Main distribution boards, (DBs), Floor Standing design, made of M.S. Sheet 14 SWG with hinged door, handle, catchers and 2 coats of Approved paint, (Size 5'x6'x18") including Incoming Main MCCB (Adjustable Thermal-Magnetic/Electronic Trip 60/100%) 3-P, 630 A (70KA) 1.00 No, For DB-N (Main MCCB Adjustable Thermal-Magnetic/Electronic Trip 60/100%) 3-P, 400A (70KA) 1.00 No and distribution MCCB 3-P, 100A (36KA) 10.00 Nos) & for DB-E (Main MCCB Adjustable Thermal-Magnetic/Electronic Trip 60/100%) 3-P, 250A (35KA) 1.00 No and distribution MCCB 3-P, 63A (7.5KA) 10.00 Nos) respectively, Digital Volt, Selector switches, LED Phase lights, Earthing bar and any accessories required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Legrand, GE,Schneider, Siemens, Terasaki, ABB or equivalent)(Copper Busbar TP-N will be paid separately via MRS item as per measurement at site)	1.00		Each	
			10.00		Each	
17	N.S	Supply, installation, connection & commissioning of distribution boards, (Sub Main DB-N), Recessed type Wall mounted design, made of M.S. Sheet 18 SWG with hinged glass door, handle, and 2 coats of Approved paint, (Size 18"x24") including Incoming Main Molded Case Circuit Breaker of 3-P, 63 A (7.5 KA) 1.00 No, Distribution Miniature Circuit Breaker of 1-P, 6~40 A (6KA) 18.00 Nos, LED phase light volt meter type (RYB), Earthling bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Legrand, GE,Schneider, Siemens, Terasaki, ABB or equivalent).	10.00		Each	
18	N.S	Providing and Laying earthing for Electric Machines I/c boring up to moisture level (up to 60' below ground level) 4" i/d including copper strip 14" x 2" x 1/4" (350 x 50 x 6 mm) connecting with 1 Nos.bare copper wire of No.8 SWG to be run in PVC pipe 20mm i/d, 1¼" i/d GI pipe 5' long, GI tee & plug for watering also includes common salt, Lime (slaked) & charcoal around copper strip I/c connecting with Electric machine. Complete in all respects as approved and as directed by the engineer incharge.	4.00		Each	
					Total	
1	7/30	External Civil Work Supplying and filling sand under floor; or plugging in wells.	2400.00		% Cft	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
2	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1:6:12	3336.00		% Cft	
3	10/41	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope. Complete in all respect. (50% Grey / 50% Coloured) 60mm thick	5000.00		Per Sft	
4	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	100.00		% Cft	
5	6/6	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects Type C (nominal mix 1: 2: 4)	100.00		Per Cft	
6	6/51	Providing and fixing precast Edge Kerb Stone (4"to 6" thick), of 3500 PSI Compressive Strength, embedded in PCC 1:2:4 over lean concrete 1:4:8 etc complete in all respect. Without Painting 14" High	200.00		Per Rft	
					Total	
1	3/42	<b>External Plumbing Work</b> Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- 0 ft. to 7.0 ft. (0 to 2.10 m) depth	15850.00		%o Cft	
2	21/1	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete. i) 225 mm (9") i/d ii) 6" i/d	400.00 75.00		Per Rft Per Rft	
3	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1:4:8	600.00		% Cft	
4	7/4	Pacca brick work in foundation & plinth:- cement, sand mortar:- Ratio 1:4	550.00		% Cft	
5	11/9	Cement plaster 1:3 upto 20' (6.00 mm) height:- i) ¾" thick ii) ½" thick	1500.00 1250.00		% Sft % Sft	
6	3/44	Excavation of trenches in all kinds of soil, except cutting rock, for water supply pipe lines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, levelling the beds of trenches to correct grade and cutting pits for joints, etc	3500.00		%o Cft	
7	21/15A	Providing and fixing 6" thick R.C.C. manhole cover with tee shaped C.I. frame of 22" I/d (frame weighing 37.324 Kg. or one maund as per Standard Drawing STD/PD No. 6, of 1977, complete in all respect.	20.00		Each	
8	24/42	Making connection for new watersupply lines with the running main, including excavation of trench and refilling, complete, but excluding cost of pipe and specials, etc. Diameter of running main: i) upto 6" i/d (150 mm) ii) upto 8" i/d (200 mm)	1.00 2.00		P.Con P.Con	
9	23/43	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working presure pipe in trenches. complete in all respects PN-10 (SDR-17) 3" (90mm)	350.00		Per Rft	
					Total	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
1	24/3	<b>External Electrical Work</b> Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries,and repairing surface, etc., complete with all specials. 1" i/d (25 mm)	2000.00		Per Rft	
2	24/10	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only). 250/440 volts, PVC insulated:7/1.12 mm (7/0.044")	4000.00		Per Rft	
3	24/18	Supply and erection of iron/aluminum clad, 500 volts main switches with kitkat fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including bonding to earth with necessary flexible pipe and thimbles, etc. Double pole:- 30/35 Amp.	3.00		Each	
4	3/1-b	Earthwork excavation underessed lead upto a single throw of Kassi, phaorah or shovel:- In ordinary soil.	4500.00		%o Cft	
5	24/13 d-xi	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG. 185 mm sq (37/0.103)	200.00		Per M	
6	24/68	Supplying,installation testing and commissioning of Octagonal shape electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel, tapered from 225 mm at bottom to 100 mm at top,with 1500 mmx60 mm dia. arm for luminaire installation, duly G.I.welded with 470x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet,with built in junction box with shutter,i/c the cost of nuts & J-rag bolts, duly fixed in prelaid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer Incharge. <b>Double Arm 10 mtr height</b>	20.00		Each	
7	24/69 C-v-i	Supplying, installation and commissioning of LED Cobra-head Luminaries of specified wattage and lumens conforming to IP 65, Philips/Osram/Thorn with corrosion resistant die casted aluminum housing, silicon gas kit, thermally hardened glass complete with LED drivers, surge protection i/c the cost of all accessories/components required for proper operation , fully flexible for future upgradation and easy replacements for maintenance purposes,bucket elevator charges as approved and directed by the Engineer. <b>120 Lm/Watt</b> 120 Watt with 14400 Lumens	40.00		Each	
8	24/105	Supply, insatllation, commissioning and testing of oil cooled type, Step down Power Transformer of specified rating,11/0.415 kV, i/c the cost of lifting hooks, thermometers, LT & HT bushing 5-steps, tap changer, imported double float buchholz relay, 2 earthing terminals, roller wheels, connecting terminals for cables M.S box on transformer in order to cover complete L.T side, all necessary materials required for connections on H.T & L.T side, rated voltage 11000/415/240 V impedance 6.25% or as specified by WAPDA/IEC system earth: Delta / Star, neutral solidly earthed, i/c Wapda testing charges,complete in all respects made of PEL, Siemens, as approved and directed by the Engineer Incharge <b>200 KVA</b>	1.00		Each	
					<b>Total</b>	
		<b>External Electrical (Non-Schedule)</b>				
1	N.S	Supply & installation of 11-KV Dropout Fuse assemblies Set i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	1.00		Each	
2	N.S	Supply & Installation of 11KV Pin Insulator i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	3.00		Each	

Item No.	REF. Nos CH/ITE	Description of Items	Qty	Rate (Rs.)	Unit	Amount (Rs.)
3	N.S	Supply & installation of Creosoted Wooden cross arm on steel structure pole with galvanized steel bracing & bolts i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	2.00		Each	
4	N.S	Manufacturing and erection of galvanized angle iron lattice steel structure HT pole of size 34'-8" long using high tensile steel angle 1½"x1¼"x3/16" with MS angle iron and 1"x1"x½" and flat iron 2"x½"bracing, weighing 200±3%kg i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	1.00		Each	
5	N.S	Manufacturing and erection of galvanized angle iron lattice steel structure LT pole of size 30'-8" long using high tensile steel angle 1¼"x1¼"x3/16" with MS angle iron and 1"x1"x½" and flat iron 2"x¼"bracing, weighing 130±3%kg i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	1.00		Each	
6	N.S	Supply and installation of Double pole Plate Farm for 200KVA Transformer (Rs.Joist size 4"x8" with cross, welding, nut bolts i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	1.00		Each	
					<b>Total</b>	