

**INSTITUTE OF BUSINESS ADMINISTRATION, KARACHI
UNIVERSITY ROAD MAIN CAMPUS, KARACHI**

VOLUME - IIIA (CONSTRUCTION OF GIRLS HOSTEL BLOCK I & II)

- 1- BILL OF QUANTITIES
- 2 - LIST OF APPROVED SUPPLIERS



CLIENT:



**PLANNING &
DEVELOPMENT OF
PROJECT**

I N D E X

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KARACHI - INSTITUTE OF BUSINESS ADMINISTRATION
SUMMARY TO BILL OF QUANTITIES FOR
IBA GIRLS HOSTEL PHASE - II STAFF TOWN KARACHI UNIVERSITY ENCLAVE



DATE: 28-12-2021

S.#	SECTION	DESCRIPTION	UNIT	COMPOSITE AMOUNT AS PER CSR 2012	CONTRACTOR PREMIUM ON SCHEDULED RATE	TOTAL COST OF SCHEDULE BASED ITEMS	NON - SCHEDULE RATES	COMPOSITE AMOUNT
1	SECTION - A	MAIN BUILDING GROUND FLOOR	Rs.	30,005,104				
2	SECTION - B	MAIN BUILDING FIRST FLOOR	Rs.	18,535,724				
3	SECTION - C	MAIN BUILDING SECOND FLOOR	Rs.	19,944,757				
4	SECTION - D	MAIN BUILDING THIRD FLOOR	Rs.	1,931,819				
5	SECTION - E	TENNIS COURT, VOLLEY BALL & CENTRAL COURT	Rs.	4,486,057				
11	SECTION - F	EXTERNAL DEVELOPMENT	Rs.	2,799,874				
12	SECTION - G	HORICULTURE	Rs.	---	---	---		
13	SECTION - H	SOIL, WASTE & VENT PIPING	Rs.	---	---	---		
14	SECTION - I	FITTINGS & FIXTURES	Rs.	---	---	---		
15	SECTION - J	SEWER PIPE NETWORK AND MANHOLES	Rs.	---	---	---		
16	SECTION - K	WATER SUPPLY (HOT & COLD),GAS PIPING	Rs.	---	---	---		
17	SECTION - L	VALVES , FITTINGS & FIXTURES	Rs.	---	---	---		
18	SECTION - M	WIRING / WIRING ACCESSORIES ETC.	Rs.	---	---	---		
19	SECTION - N	SWITCHES, SOCKETS, OUTLET & ACCESSORIES	Rs.	---	---	---		
20	SECTION - O	UN-INTERRUPTED POWER SUPPLY	Rs.	---	---	---		
21	SECTION - P	LIGHT FIXTURES & FANS	Rs.	---	---	---		
22	SECTION - Q	MAIN. SUB-MAIN CABLES, CONDUIT & CABLE TRAY	Rs.	---	---	---		
23	SECTION - R	SWITCHBOARDS / DISTRIBUTION BOARDS	Rs.	---	---	---		
24	SECTION - S	EARTHING SYSTEM	Rs.	---	---	---		
25	SECTION - T	FIRE ALARM SYSTEM	Rs.	---	---	---		
26	SECTION - U	DATA SYSTEM	Rs.	---	---	---		
27	SECTION - V	CEILING, EXHAUST AND VENTILATION FANS	Rs.	---	---	---		
T O T A L - INCLUSIVE OF TAXES			Rs.	77,703,336				

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DATE: 28-12-2021

S.#	DESCRIPTION	UNIT	TOTAL QTY.	RATE IN PKR	AMOUNT
			A	B	C = B X A
SECTION - A :					
MAIN BUILDING GROUND FLOOR					
BASED ON SCHEDULED RATES					
1	JUNGLE CLEARANCE				
a	Jungle Clearance and removing within 100 ft (b) thick, Item No 4 (b) Page 95 Chapter 18	%Cft	14,100	151.25	2,132.63
2	EXCAVATION FOR FOUNDATION				
a	Excavation in shingle or gravel formation and rock in dry not requiring blasting undressed lead upto 100ft. (Page No1 item No 4)	%Cft	28,678	5,747.50	164,826.81
b	Cutting Hard Rock such as granite, ballast, hard lime stone or sand stone etc with chiesel and hammers for small foundations. Item No 19 Page -4	%Cft	7,169	28,672.05	205,549.93
c	Extra for every 50'-0" lead or part thereof 500' lead Item no 8 a) Page No 2	%Cft	14,339	1,007.80	14,450.84
d	Add for additional lift of every three feet (30.9 R.m) or part thereof in item Nos. 1 to 4. 10 to 13 and 19 to 22.	%Cft	7,169	187.50	1,344.19
3	DISPOSAL OF EARTH				
	Cartage of 100Cft/ 5 Tons of all material like stones, aggregate, spawl,Coal,lime, surkhi etc by Truck----- lead 1 mile	% CFT	17,500	407.00	71,225.00
4	BACK FILLING (USING EXCAVATED/SURPLUS EARTH PRESENT AT SITE)				
i)	Filling, watering and ramming earth in floors with surplus earth from foundation lead upto one chain and lift upto 5'-0" (Item No 21 Page No 4)	%O CFT	16,059	1,512.50	24,289.84
5	LEAN CONCRETE				
	Cement concrete plain including placing compacting, finishing and curing complete (including screining and washing at stone aggregate without shuttering (Page No. 16, Item No. 5-i) 1:4:8 Concrete				
a)	Under Footing	% CFT	2737	11288.75	308,973.09
b)	Under Floor	% CFT	2754	11288.75	310,892.18
ii)	Concrete 1:3:6 under plinth Page No 16 Item No 5-(h)	% CFT	1590	12595	200,260.50
6	POLY ETHYLENE SHEET				
	Providing and laying single per layer of polyethylene sheet 0.13 mm thick for water proofing as per specification and instruction of Engineer Incharge (Page No. 38, Item No. 38).	SFT	5509	10.7	58,946
7	TERMITE PROOFING				
	Providing anti-termite treatment by spraying / sprinkling / spreading Neptachler 0.5% Emulsion as an overall pre-construction treatment in slab type construction under the slab and attached perches or entrances etc. complete in all respect as per directions of the Engineer-in-Charge (Page No. 108, Item No. 92)	SFT	5508.59	9.74	53,654
8	STONE SOLING				
	Stone pitching including sub-base with hammer dressed stone on surface laid in courses including carriage of materials chains. (Page No. 32, Item No. 23) 6" THICK	%Cft	2754.3	5377.63	148,116
9	REINFORCED CEMENT CONCRETE (GROUND FLOOR)				
	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds lifting shuttering curing rendering and finishing the exposed surface (including screining and washing of shingle) Page No. 17. Item No. 6(a)-ii				

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S.#	DESCRIPTION	UNIT	TOTAL QTY.	RATE IN PKR	AMOUNT
			A	B	C = B X A
	NOTE : ALL STRUCTURAL CONCRETE UPTO PLINTH LEVEL SHALL BE WITH SULPHATE RESISTING CEMENT .				
A)	R.C. work in roof slab, beams columns rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects.				
a)	Ratio 1:2: 4 Conc. 90 lbs OPC cement,2 cft Sand 4 Cft stone aggregate				
(I)	Foundation	CFT	5045.75	337	1,700,418
(II)	Column up to P. Level.	CFT	406.45	337	136,974
(III)	Plinth beams with projected nibs etc	CFT	1950.51	337	657,322
IV)	Slab on Grade	CFT	2467.41	337	831,517
(iv)	Columns in super structure	CFT	711	337	239,607
(v)	Beams, lintel beams / with projected nibs etc	CFT	1969	337	663,553
(VI)	Slabs / projection etc	CFT	4314	337	1,453,818
(vii)	Staircase steps, Landing waist etc	CFT	241	337	81,217
VIII)	RAMP	CFT	43	337	14,491
ix)	WALLS	CFT	350	337	117,950
10	STEEL REINFORCEMENT				-
a	Fabrication of mild Steel Reinforcement for Cement Concrete including cutting, bending, laying in position, making joints and fastenings including the cost of binding wire, also include removal of) Item no 8 (b) page No 17 using TOR Bar	KG	58552.5	100.2	5,866,961
	NOTE: ALL REINFORCEMENT BAR USED SHALL BE DEFORMED GRADE 60. THE DIFFERENCE OF COST SHALL BE QUOTED BY THE BIDDER AS NON SCHEDULE ITEM.				
11	BLOCK MASONRY				
a)	SOLID				
i)	6 " OR BELOW THICKNESS				
	Providing and laying 1:3:6 cement concrete solid block masonry wall 6" and below in thickness set in 1:6 cement mortar in ground floor Super Structure including raking out joints and curing etc. complete. (Page No. 19, Item No. 24)	% Cft	3508.65	15771.01	553,350
ii)	ABOVE 6 " THICKNESS				
	NOTE : ALL THE EXTERNAL PERIPHERAL WALL SHALL BE FAIRFACED PIGMENTED HOLLOW BLOCK MASONRY WALL 190MM THICK USING 390X190X190MM BLOCK				
	Providing and laying 1:3:6 cement concrete solid block masonry wall 6" and below in thickness set in 1:6 cement mortar in ground floor Super Structure including raking out joints and curing etc. complete. (Page No. 19, Item No. 23)	% Cft	200	14621.44	29,243
12	RENDERING (PLASTER)				
i)	Internal Plaster				
a)	Cement Plaster 1:4 upto 12' height				
	1/2" thick Plaster (for ceiling and wall) Page No. 52, Item No. 11-B	% SFT	6144.41	3015.76	185,301
b)	Cement Plaster 1:6 upto 12' height (Internal)				
	1/2" thick Plaster (for ceiling and wall) Page No. 52, Item No. 13-c	% SFT	19974.5	2590.5	517,439
ii)	External Plaster (in two coats)				
a)	Cement Plaster 1:4 upto 12' height				
i)	3/4" thick Plaster (for ceiling and wall) Page No. 52, Item No. 11-d	% SFT	15620	3191.76	498,553
13	DAMP PROOFING				
i)	Horizontal DPC				

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S.#	DESCRIPTION	UNIT	TOTAL QTY.	RATE IN PKR	AMOUNT
			A	B	C = B X A
	Damp proof course 2" thick with (cement sand and shingle concrete 1:2:4) including 2 coats of asphaltic mixture. (Page No. 18, Item No. 28-b)	%Sft	475.5	3912.85	18,606
ii)	Vertical DPC				
	Vertical Damp Proof Course of 3/4' thick Cement Plaster 1:2 with Bitumen at 20 LBS per % Sft. Page NO 107 Item No 70	%Sft	1902	2760.99	52,514
14	FLOORING				
i)	FLOORING BASE CONC. 1:3 :6				
a)	Cement Concrete plain including placing, compacting, finishing and curing complete including screening and washing at stone aggregate with out shuttering. (Ref. Item No 5 h, Page No16 1:3:6 Conc. Plain	% CFT	1536.1	12595	193,472
b)	Providing & Laying 2"thick topping Cement Concrete 1:2:4 including surface finishing and dividing into panels. Item No 16 Page No42.	%Sft	508	3,275.50	16,640
II)	TERRAZO FLOOR				
a)	Flooring of Mosaic Marble Chips tiles of white cement laid flat in 1:2 grey cement mortar over 3/4" thick bed of grey cement mortar 1:2 Page No 48 Item No 64	% SFT	1967	12,985.75	255,430
b)	Mosaic Chequre Tiles of 8"x8"x1-1/4"of approved shade laid flat in 1/2" grey Cement mortar over a bed of 3/4" thick grey cement mortar 1:2 Ref Item No 56 Page No47	% SFT	412	15,361.14	63,288
C)	Laying floor of approved colour glazed tiles 1/4" thick in white cement and pigment on a bed of 3/4" thick Cement mortar 1:2 Item No 25 Page No 43	% SFT	720	28,351.56	204,131
15	DADO & SKIRTING				
i)	TERRAZO TILES				
	Mosaic Tile Skirting laid in 1:2 including Cement wash and filling joints Page No 44 Item No 35 (b) 4"high	% SFT	500.94	13,108.37	65,665
ii)	Glazed tiles dado 1/4" thick laid in pigment over csm 3/4" thick including finishing.Item 38Page 45	% SFT	1337.5	28,299.30	378,503
16	CHEMICAL POLISH ON TERRAZO FLOOR				
	Applying Chemical Polish on existing mosaic / Marble flooring / dado including cleaning grinding with carborandum stone / sand paper and applying chemical polish as per requirement. Page 49 Item70.	P SFT	5969.44	36.6	218,482
17	METAL WORK				
A	Providing and fixing GI Frames /Choukhats of size 7"x2" or 4-1/2"x3" for door using 20 SWG GI sheet i/c welded hinges and fixing at site with necessary hold fasts. filling with cement sand slurry of ratio 1:6 and repaing the jambs. The cost includes all carriage, tools and plants used for making and fixing. Item No29 Page No93				
i)	Door Frame 7"x2"	Prft	713	240.5	171,477
ii)	Door Frame 4-1/2"X3"	Prft	236	240.5	56,758
18	MS SECURITY GRILLS				
	supplying and fixing in position iron /steel grill of 3/4"x1/4" size flat iron of approved design including painting 3 coats etc. (weight not to be less than 3.7 lbs /sft of finished grill)	Psft	492	180.5	88,806
19	ALUMINUM WINDOWS /VENTILATORS				
I	Supplying and fixing in position Aluminum Channels framing for sliding windows & ventilators of Alcop made with 5mm thick tinted glazing (Belgium) &Aluminum fly screen including handles, stoppers & locking arrangement etc. complete Deluxe Model (white) Ref. Item No 84(a) Page No 108	Psft	308	1592.69	490,549
20	WOOD WORK				
I)	Providing and Fixing with sunk iron screws wooden Archives approved design /shape having width not less than 2-1/2 inches as directed by Engineer Incharge.	RFT	1008	49.97	50,370
II)	Providing and fixing Deodar Wooden Ward Robe including Boxing with back shelves, shutters, drawers and brass fitting such as handles, locking arrangement, hanger rod, shoe rod and mirror measuring 2'-0"x1'-0" complete as per approved design. Ref. Item No 24 Page No 61	Per Sft	936	2364.63	2,213,294

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S.#	DESCRIPTION	UNIT	TOTAL QTY.	RATE IN PKR	AMOUNT
			A	B	C = B X A
21	PAINT				
(i)	CEILING DESTEMPER				
	Distempereing three coats page no 54 item no 24 c	% SFT	6144.41	1079.65	66,338
ii)	INTERNAL WALL PAINTING				
	Preparing the surface and painting with matt finish Enamel including rubbing the surface with bathy (silicon carbide rubbing brick) filling the voids with zink / chalk / plaster of paris mixture, applying first coat premix, making the surface smooth and then painting 3 coats with matt finish of approved make etc. complete (new surface). Page No. 55, Item No. 36A+36-b. (3 Coats)	% SFT	19974.5	3444.38	687,998
iii)	EXTERNAL WALL PAINTING				
	Preparing the Surface and painting with Weather Coat i/c Rubbing the surface with rubbing brick/sand paper, filling the voids with chalk /plaster of Paris and then paintining with weather coat of approved make (3 Coats) Page No 56 Item no 38-a & B	% SFT	15620	2567.95	401,114
iv)	PAINT OVER IRON SURFACE				
	Preparing surfaces & Painting Guard bars Gates, iron bars, gratins, railings including standard braces three coats Item No 5(d) Page No 70	% SFT	2008	1270.83	25,518
v)	PAINT OVER WOODEN SURFACE				
	Preparing surface and painting of doors and Windows any types (including edges) Priming coat & three coats of paints Ref. : Item no 5 © Page 79.	% SFT	5428.08	2743.14	148,900
22	DISMENTALING OF DUMMY COLUMN				
	Dismantaling cement concrete reinforced separating reinforcement from concrete cleaning and straightening the same Item No 20 Page 10	% CFT	30	5445	1,634
23	CONC. PRECAST PLANKS 3" THICK				
a	Precast RCC in Column , beams, lintols, stair case, shelves, etc Ration 1:1-1/2:3	Cft	250	321.77	80,443
b	Erecting & fixing in Position precast Conc. Slab in roof, litols etc lift upto 20'-0" including all charges	Cft	250	41.77	10,443
24	PRECAST CC ORNAMENTAL JALI				
	Providing and fixing CC ornamental jali 2" thick 1:2:4 with out reinforcement.(Item No 11 Page No 18)	PSFT	190	226.02	42,944
25	HOLLOW BLOCK MASONARY IN WALL				
	Precast Cement Concrete block (1:2:4) including Cost of Templettes and constructing walls there of ItemNo 10 Page No 17)	CFT	1500	126.81	190,215
26	WATER PROOFING				
	Providing & Applying Hi Bond Sealer Water Proofing polymer Modified Cementious sulleries (WPMCS) to be used as Water Proofing, Anticorrosion, water resistance or curing member for fresh concrete having thickness 2mm in two coats upto 20'-0" height textured or trowel finish grey or coloured i/c preparing the surface for application as directed by Engineer.	Per % Sft	6500	2282.77	148,380
27	DIFFERENCE OF COST AS PER ADDENDUM				
	Adding Cost of Difference of Deformed Bar G-60 as per notification dated 1st Dec 2021 letter No Case No IV/2(IV)-SO Rates Addendum & Corrigendum No-2	Per Kg	58552	112	6,557,824
	Adding Cost of Difference of Ordinary Port Land Cement Cost as per notification dated 1st Dec 2021 letter No Case No IV/2(IV)-SO Rates Addendum & Corrigendum No-2	Bags	5500	350	1,925,000
	ADD EXTRA FOR SULPHATE RESISTANT CEMENT (REF SOR MATERIALS VOL-III PART-III SIXTH EDITION-2011 PAGE 3&4	Bags	1700	40	68,000
TOTAL COST IN PKR GROUND FLOOR BASED ON CSR					30,005,104

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S.#	DESCRIPTION	UNIT	TOTAL QTY.	RATE IN PKR	AMOUNT
			A	B	C = B X A
SECTION - B:					
MAIN BUILDING FIRST FLOOR					
BASED ON SCHEDULED RATES					
(a)	STRUCTURAL WORKS				
1	REINFORCED CEMENT CONCRETE				
	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle) Page No. 17. Item No. 6(a)-ii				
	R.C. work in roof slab, beams columns rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects.				
a)	Ratio 1:2: 4 Conc. 90 lbs OPC cement,2 cft Sand 4 Cft stone aggregate				
(i)	Columns in super structure	CFT	711	337	239,607
(II)	Beams, lintel beams / with projected nibs etc	CFT	1969	337	663,553
(III)	Slabs / projection etc	CFT	4314	337	1,453,818
(iv)	Staircase steps, Landing waist etc	CFT	241	337	81,217
v)	WALLS	CFT	550	337	185,350
2	STEEL REINFORCEMENT				
	NOTE: DEFORM G-60 BAR SHALL BE USED. FOR THE DIFFERENCE IN BASE PRICE BIDDER SHALL QUOTE THE DIFFERENCE AS NON SCHEDULE ITEM				
	Fabrication of mild Steel Reinforcement for Cement Concrete including cutting, bending, laying in position, making joints and fastenings including the cost of binding wire, also include removal of) Item no 8 (b) page No 17 using TOR Bar	KG	39035	100.02	3,904,281
3	BLOCK MASONRY				
i)	6 " OR BELOW THICKNESS				
	Providing and laying 1:3:6 cement concrete solid block masonry wall 6" and below in thickness set in 1:6 cement mortar in ground floor Super Structure including raking out joints and curing etc. complete. (Page No. 19, Item No. 24)	% Cft	2221.5	17,557.41	390,038
ii)	ABOVE 6 " THICKNESS				
	NOTE : ALL PERIPHERAL OUTER WALL SHALL BE 190MM THICK FAIR FACED PIGMENTED HOLLOW BLOCK MASONRY USING 390MMX190MMX190MM FAIR FACE PIGMENTED HOLLOW BLOCK				
	Providing and laying 1:3:6 cement concrete solid block masonry wall 6" and below in thickness set in 1:6 cement mortar in ground floor Super Structure including raking out joints and curing etc. complete. (Page No. 19, Item No. 23)	% Cft	25	16,407.84	4,102
4	RENDERING (PLASTER)				
i)	Internal Plaster				
a)	Cement Plaster 1:4 upto 12' height				
	1/2" thick Plaster (for ceiling and wall) Page No. 52, Item No. 11-B	% SFT	6144.41	2,645.68	162,561
b)	Cement Plaster 1:6 upto 12' height (Internal)				
	1/2" thick Plaster (for ceiling and wall) Page No. 52, Item No. 13-c	% SFT	20002.5	2,592.10	518,485
ii)	External Plaster				
a)	Cement Plaster 1:4 upto 12' height				
i)	3/4" thick Plaster (for ceiling and wall) Page No. 52, Item No. 11-d	% SFT	7810	3191.66	249,269
5	FLOORING				
I)	FLOORING SUBBASE CONC. 1:3 :6				
a)	Cement Concrete plain including placing, compacting, finishing and curing complete including screening and washing at stone aggregate with out shuttering. (Ref. Item No 5 h, Page No16 1:3:6 Conc. Plain	%Cft	1536.1	14,381	220,913

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			A	B	C = B X A
B	Do 1:2:4 Concrete	% SFT	336.12	3275.5	11,010
ii)	TERRAZO FLOOR TILES				
	Flooring of Mosaic Marble Chips tiles of white cement laid flat in 1:2 grey cement mortar over 3/4" thick bed of grey cement mortar 1:2 Page No 48 Item No 64	% SFT	5092.5	13,591	692,101
III)	TERRAZO CHEQURED TILES				
	Mosaic Chequre Tiles of 11"x8"x1-1/4" of approved shade laid flat in 1/2" grey Cement mortar over a bed of 3/4" thick grey cement mortar 1:2	% SFT	412	15,966	65,778
IV)	GLAZED FLOOR TILES				
	Laying floor of approved colour glazed tiles 1/4" thick in white cement and pigment on a bed of 3/4" thick Cement mortar 1:2 Item No 25 Page No 43	% SFT	720	28,352	204,131
6	DADO & SKIRTING				
i)	TERRAZO TILES				
	Mosaic Tile Skirting laid in 1:2 including Cement wash and filling joints Page No 44 Item No 35 (b) 4"high	% SFT	545.16	13,713	74,757
ii)	GLAZED TILES ON DADO & SKIRTING				
	Glazed tiles dado 1/4" thick laid in pigment over cement sand mortar 3/4" thick including finishing. Item No 38 Page No 45	% SFT	1337.5	28,904	386,588
7	CHEMICAL POLISH ON TERRAZO FLOOR				
	Applying Chemical Polish on existing mosaic / Marble flooring / dado including cleaning grinding with carborandum stone / sand paper and applying chemical polish as per requirement. Page 49 Item No 70.	P SFT	6049.66	36.6	221,418
8	METAL WORK				
A	Providing and fixing GI Frames /Choukhats of size 7"x2" or 4-1/2"x3" for door using 20 SWG GI sheet i/c welded hinges and fixing at site with necessary hold fasts. filling with cement sand slurry of ratio 1:6 and repaing the jambs. The cost includes all carriage, tools and plants used for making and fixing. Item No29 Page No93				
i)	Door Frame 7"x2"	Prft	713	240.5	171,477
ii)	Door Frame 4-1/2" X3"	Prft	236	240.5	56,758
9	MS SECURITY GRILLS				
	supplying and fixing in position iron /steel grill of 3/4"x1/4" size flat iron of approved design including painting 3 coats etc. (weight not to be less than 3.7 lbs /sft of finished grill)	Psft	1140.26	180.5	205,817
10	HOLLOW BLOCK MASONARY				
	Precast Cement Concrete block (1:2:4) including Cost of Templates and constructing walls there of ItemNo 10 Page No 17)	CFT	2000	126.81	253,620
11	ALUMINUM WINDOWS /VENTILATORS				
I	Supplying and fixing in position Aluminum Channels framing for sliding windows & ventilators of Alcop made with 5mm thick tinted glazing (Belgium) &Aluminum fly screen including handles, stoppers & locking arrangement etc. complete Deluxe Model (white) Ref. Item No 84(a) Page No 108	Psft	488	1592.69	777,233
12	WOOD WORK				
I)	Providing and Fixing with sunk iron screws wooden Archives approved design /shape having width not less than 2-1/2 inches as directed by Engineer Incharge.	RFT	1008	49.97	50,370
13	PAINT				
(i)	CEILING DESTEMPER				
	Distempering three coats page no 54 item no 24 c	% SFT	6144.41	1079.65	66,338

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S.#	DESCRIPTION	UNIT	TOTAL QTY.	RATE IN PKR	AMOUNT
			A	B	C = B X A
ii)	INTERNAL WALL PAINTING				
	Preparing the surface and painting with matt finish Enamel including rubbing the surface with bathy (silicon carbide rubbing brick) filling the voids with zink / chalk / plaster of paris mixture, applying first coat premix, making the surface smooth and then painting 3 coats with matt finish of approved make etc. complete (new surface). Page No. 55, Item No. 36A+36-b. (3 Coats)	% SFT	20002.5	3444.38	688,962
iii)	EXTERNAL WALL PAINTING				
	Preparing the Surface and painting with Weather Coat i/c Rubbing the surface with rubbing brick/sand paper, filling the voids with chalk /plaster of Paris and then painting with weather coat of approved make (3 Coats) Page No 56 Item no 38-a & B	% SFT	7810	2567.95	200,557
iv)	PAINT OVER IRON SURFACE				
	Preparing surfaces & Painting Guard bars Gates, iron bars, gratins, railings including standard braces three coats Item No 5(d) Page No 70	% SFT	60	1270.83	762
v)	PAINT OVER WOODEN SURFACE				
	Preparing surface and painting of doors and Windows any types (including edges) Priming coat & three coats of paints Ref. : Item no 5 © Page 79.	% SFT	11179.26	2743.14	306,663
14	CONC. PRECAST PLANKS 3" THICK				
a	Precast RCC in Column , beams, lintols, stair case, shelves, etc Ration 1:1-1/2:3	Cft	250	321.77	80,443
b	Erecting & fixing in Position precast Conc. Slab in roof, litols etc lift upto 20'-0" including all charges	Cft	250	41.77	10,443
15	EXTRA FOR BLOCK LIFT				
	Add Extra lift for Block Masonry in First Floor	% SFT	8500	328.97	27,962
16	ADD DIFFERNCE OF PRICE AS PER ADDENDA				
	Adding Cost of Difference of Deformed Bar G-60 as per notification dated 1st Dec 2021 letter No Case No IV/2(IV)-SO Rates Addendum & Corrigendum No-2	Per Kg	39,012	112	4,369,344
	Adding Cost of Difference of Ordinary Port Land Cement Cost as per notification dated 1st Dec 2021 letter No Case No IV/2(IV)-SO Rates Addendum & Corrigendum No-2	Bags	4,400	350	1,540,000
TOTAL COST IN PKR FIRST FLOOR BASED ON CSR					18,535,724

SECTION - C:
MAIN BUILDING SECOND FLOOR
BASED ON SCHEDULED RATES

(a)	Structural Works				
	SECOND FLOOR				
1	REINFORCED CEMENT CONCRETE				
	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle) Page No. 17. Item No. 6(a)-iiR.C. work in roof slab, beams columns rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects.				
a)	Ratio 1:2: 4 Conc. 90 lbs OPC cement, 2 cft Sand 4 Cft stone aggregate				
(i)	Columns in super structure	CFT	711	362.52	257,752
(II)	Beams, lintel beams / with projected nibs etc	CFT	1,969	362.52	713,802
(III)	Slabs / projection etc	CFT	4,314	362.52	1,563,911
(IV)	Staircase steps, Landing waist etc	CFT	241	362.52	87,367
(v)	WALLS	CFT	550	362.52	199,386

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S.#	DESCRIPTION	UNIT	TOTAL QTY.	RATE IN PKR	AMOUNT
			A	B	C = B X A
2	STEEL REINFORCEMENT				
	NOTE: DEFORM G-60 BAR SHALL BE USED. FOR THE DIFFERENCE IN BASE PRICE BIDDER SHALL QUOTE THE DIFFERENCE AS NON SCHEDULE ITEM				
	Fabrication of mild Steel Reinforcement for Cement Concrete including cutting, bending, laying in position, making joints and fastenings including the cost of binding wire, also include removal of) Item no 8 (b) page No 17 using TOR Bar	KG	35,132	100.03	3,514,204
3	BLOCK MASONRY				
i)	6 " OR BELOW THICKNESS				
	Providing and laying 1:3:6 cement concrete solid block masonry wall 6" and below in thickness set in 1:6 cement mortar in ground floor Super Structure including raking out joints and curing etc. complete. (Page No. 19, Item No. 24)	% Cft	2221.5	17,886.38	397,346
ii)	ABOVE 6 " THICKNESS				
	NOTE : ALL PERIPHERAL OUTER WALL SHALL BE 190MM THICK FAIR FACED PIGMENTED HOLLOW BLOCK MASONRY USING 390MMX190MMX190MM FAIR FACE PIGMENTED HOLLOW BLOCK				
	Providing and laying 1:3:6 cement concrete solid block masonry wall 6" and below in thickness set in 1:6 cement mortar in ground floor Super Structure including raking out joints and curing etc. complete. (Page No. 19, Item No. 23)	% Cft	25	16,737	4,184
4	RENDERING (PLASTER)				
i)	Internal Plaster				
a)	Cement Plaster 1:4 upto 12' height				
	1/2" thick Plaster (for ceiling and wall) Page No. 52, Item No. 11-B	% SFT	6144.41	2,897	178,026
b)	Cement Plaster 1:6 upto 12' height (Internal)				
	1/2" thick Plaster (for ceiling and wall) Page No. 52, Item No. 13-c	% SFT	20002.5	2,912	582,381
ii)	External Plaster				
a)	Cement Plaster 1:4 upto 12' height				
i)	3/4" thick Plaster (for ceiling and wall) Page No. 52, Item No. 11-d	% SFT	7810	33,569	2,621,719
5	FLOORING				
i)	FLOORING SUBBASE CONC. 1:3 :6				
a)	Cement Concrete plain including placing, compacting, finishing and curing complete including screening and washing at stone aggregate with out shuttering. (Ref. Item No 5 h, Page No16 1:3:6 Conc. Plain	%Cft	1536.1	14,381.40	220,913
B	Do 1:2:4 Concrete	% SFT	336.12	3,276	11,010
ii)	TERRAZO FLOOR TILES				
	Flooring of Mosaic Marble Chips tiles of white cement laid flat in 1:2 grey cement mortar over 3/4" thick bed of grey cement mortar 1:2 Page No 48 Item No 64	% SFT	5092.5	13,591	692,101
iii)	TERRAZO CHEQURED TILES				
	Mosaic Chequre Tiles of 11"x8"x1-1/4"of approved shade laid flat in 1/2" grey Cement mortar over a bed of 3/4" thick grey cement mortar 1:2	% SFT	412	15,966	65,778
iv)	GLAZED FLOOR TILES				
	Laying floor of approved colour glazed tiles 1/4" thick in white cement and pigment on a bed of 3/4" thick Cement mortar 1:2 Item No 25 Page No 43	% SFT	720	28,352	204,131
6	DADO & SKIRTING				
i)	TERRAZO TILES				
	Mosaic Tile Skirting laid in 1:2 including Cement wash and filling joints Page No 44 Item No 35 (b) 4"high	% SFT	545.16	13,713	74,757
ii)	GLAZED TILES ON DADO & SKIRTING				
	Glazed tiles dado 1/4" thick laid in pigment over cement sand mortar 3/4" thick including finishing. Item No 38 Page No 45	% SFT	668.75	28,904	193,294

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S.#	DESCRIPTION	UNIT	TOTAL QTY.		RATE IN PKR		AMOUNT
			A	B	B	C = B X A	
7	CHEMICAL POLISH ON TERRAZO FLOOR						
	Applying Chemical Polish on existing mosaic / Marble flooring / dado including cleaning grinding with carborandum stone / sand paper and applying chemical polish as per requirement. Page 49 Item No 70.	P SFT	6049		37		221,393
8	METAL WORK						
i)	Door Frame 7"x2"	Prft	675		241		162,338
ii)	Door Frame 4-1/2" x3"	Prft	236		241		56,758
9	MS SECURITY GRILLS						
	supplying and fixing in position iron /steel grill of 3/4"x1/4" size flat iron of approved design including painting 3 coats etc. (weight not to be less than 3.7 lbs /sft of finished grill)	Psft	492		181		88,806
10	ALUMINUM WINDOWS /VENTILATORS						
I	Supplying and fixing in position Aluminum Channels framing for sliding windows & ventilators of Alcop made with 5mm thick tinted glazing (Belgium) &Aluminum fly screen including handles, stoppers & locking arrangement etc. complete Deluxe Model (white) Ref. Item No 84(a) Page No 108	Psft	308		1,593		490,549
11	WOOD WORK						
I)	Providing and Fixing with sunk iron screws wooden Archives approved design /shape having width not less than 2-1/2 inches as directed by Engineer Incharge.	RFT	1008		49.97		50,370
12	PAINT						
i)	CEILING DESTEMPER						
	Distemping three coats page no 54 item no 24 c	% SFT	6144.41		1079.65		66,338
ii)	INTERNAL WALL PAINTING						
	Preparing the surface and painting with matt finish Enamel including rubbing the surface with bathy (silicon carbide rubbing brick) filling the voids with zink / chalk / plaster of paris mixture, applying first coat premix, making the surface smooth and then painting 3 coats with matt finish of approved make etc. complete (new surface). Page No. 55, Item No. 36A+36-b. (3 Coats)	% SFT	20002.5		3,444.38		688,962
iii)	EXTERNAL WALL PAINTING						
	Preparing the Surface and painting with Weather Coat i/c Rubbing the surface with rubbing brick/sand paper, filling the voids with chalk /plaster of Paris and then painting with weather coat of approved make (3 Coats) Page No 56 Item no 38-a & B	% SFT	7810		2567.95		200,557
iv)	PAINT OVER IRON SURFACE						
	Preparing surfaces & Painting Guard bars Gates, iron bars, gratins, railings including standard braces three coats Item No 5(d) Page No 70	% SFT	2140		1270.83		27,196
v)	PAINT OVER WOODEN SURFACE						
	Preparing surface and painting of doors and Windows any types (including edges) Priming coat & three coats of paints Ref. : Item no 5 © Page 79.	% SFT	11179.26		2743.14		306,663
13	CONC. PRECAST PLANKS 3" THICK						
a	Precast RCC in Column , beams, lintols, stair case, shelves, etc Ration 1:1-1/2:3	Cft	250		321.77		80,443
b	Erecting & fixing in Position precast Conc. Slab in roof, litols etc lift upto 20'-0" including all charges	Cft	250		41.77		10,443
14	HOLLOW BLOCK MASONARY						
	NOTE : ALL PERIPHERAL OUTER WALL SHALL BE 190MM THICK FAIR FACED PIGMENTED HOLLOW BLOCK MASONARY USING 390MMX190MMX190MM FAIR FACE PIGMENTED HOLLOW BLOCK						
	Precast Cement Concrete block (1:2:4) including Cost of Templettes and constructing walls there of ItemNo 10 Page No 17)	CFT	20		126.81		2,536
15	ADD DIFFERENCE OF PRICE AS PER ADDENDUM						
	Adding Cost of Difference of Deformed Bar G-60 as per notification dated 1st Dec 2021 letter No Case No IV/2(IV)-SO Rates Addendum & Corrigendum No-2	Per Kg	39,012		112		4,369,344



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S.#	DESCRIPTION	UNIT	TOTAL QTY.	RATE IN PKR	AMOUNT
			A	B	C = B X A
	Adding Cost of Difference of Ordinary Port Land Cement Cost as per notification dated 1st Dec 2021 letter No Case No IV/2(IV)-SO Rates Addendum & Corrigendum No-2	Bags	4,400	350	1,540,000
	TOTAL COST IN PKR SECOND FLOOR BASED ON CSR				19,944,757

SECTION - D:

MAIN BUILDING THIRD FLOOR

BASED ON SCHEDULED RATES

(a)	Structural Works				
	THIRD FLOOR				
1	REINFORCED CEMENT CONCRETE				
	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle) Page No. 17. Item No. 6(a)-ii				
	R.C. work in roof slab, beams columns rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects.				
a)	Ratio 1:2: 4 Conc. 90 lbs OPC cement,2 cft Sand 4 Cft stone aggregate				
(i)	Columns in super structure	CFT	372	361.2	134,366
(II)	Beams, lintel beams / with projected nibs etc	CFT	122	361.2	44,066
(III)	Slabs / projection etc	CFT	362	361.2	130,754
IV)	WALLS	CFT	250	361.2	90,300
2	STEEL REINFORCEMENT				
	Fabrication of mild Steel Reinforcement for Cement Concrete including cutting, bending, laying in position, making joints and fastenings including the cost of binding wire, also include removal of) Item no 8 (b) page No 17 using deform Bar.	CWT	54	5455.45	294,594
3	BLOCK MASONRY				
i)	6 " OR BELOW THICKNESS				
	Providing and laying 1:3:6 cement concrete solid block masonry wall 6" and below in thickness set in 1:6 cement mortar in ground floor Super Structure including raking out joints and curing etc. complete. (Page No. 19, Item No. 24)	% Cft	656.58	16962.1	111,370
ii)	ABOVE 6 " THICKNESS				
	NOTE : ALL PERIPHERAL OUTER WALL SHALL BE 190MM THICK FAIR FACED PIGMENTED HOLLOW BLOCK MASONRY USING 390MMX190MMX190MM FAIR FACE PIGMENTED HOLLOW BLOCK				
	Providing and laying 1:3:6 cement concrete solid block masonry wall 6" and below in thickness set in 1:6 cement mortar in ground floor Super Structure including raking out joints and curing etc. complete. (Page No. 19, Item No. 23)	% Cft	20	15812.53	3,163
4	RENDERING (PLASTER)				
i)	Internal Plaster				
a)	Cement Plaster 1:4 upto 12' height				
	1/2" thick Plaster (for ceiling and wall)Page52, Item11-B	% SFT	540	2496.76	13,483
b)	Cement Plaster 1:6 upto 12' height (Internal)				
	1/2" thick Plaster (for ceiling and wall) Page 52,Item13-c	% SFT	1107	2590.5	28,677

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S.#	DESCRIPTION	UNIT	TOTAL QTY.	RATE IN PKR	AMOUNT
			A	B	C = B X A
ii)	External Plaster				
a)	Cement Plaster 1:4 upto 12' height				
i)	3/4" thick Plaster (for ceiling and wall) Page No. 52, Item No. 11-d	% SFT	3550	3191.76	113,307
5	FLOORING				
iv)	TERRAZO FLOOR CHEQURED				
v	Mosaic Chequre Tiles of 11"x8"x1-1/4" of approved shade laid flat in 1/2" grey Cement mortar over a bed of 3/4" thick grey cement mortar 1:2	% SFT	96	15361.14	14,747
vi)	CHEMICAL POLISH ON TERRAZO FLOOR				
	Applying Chemical Polish on existing mosaic / Marble flooring / dado including cleaning grinding with carborandum stone / sand paper and applying chemical polish as per requirement. Page 49 Item No 70.	P SFT	5	36.6	183
6	DADO & SKIRTING				
i)	TERRAZO TILES				
	Mosaic Tile Skirting laid in 1:2 including Cement wash and filling joints Page No 44 Item No 35 (b) 4"high	% SFT	7.92	13108.37	1,038
7	PAINT				
(i)	CEILING DESTEMPER				
	Distempering three coats page no 54 item no 24 c	% SFT	540	1079.65	5,830
ii)	INTERNAL WALL PAINTING				
	Preparing the surface and painting with matt finish Enamel including rubbing the surface with bathy (silicon carbide rubbing brick) filling the voids with zink / chalk / plaster of paris mixture, applying first coat premix, making the surface smooth and then painting 3 coats with matt finish of approved make etc. complete (new surface). Page No. 55, Item No. 36-b. (3 Coats)	% SFT	1107	3444.38	38,129
iii)	EXTERNAL WALL PAINTING				
	Preparing the Surface and painting with Weather Coat i/c Rubbing the surface with rubbing brick/sand paper, filling the voids with chalk /plaster of Paris and then painting with weather coat of approved make (3 Coats) Page No 56 Item no 38-a & B	% SFT	8581	2567.95	220,356
8	MS SECURITY GRILLS				
	supplying and fixing in position iron /steel grill of 3/4"x1/4" size flat iron of approved design including painting 3 coats etc. (weight not to be less than 3.7 lbs /sft of finished grill)	Psft	168	180.5	30,324
9	PRECAST RAIN WATER SPOUT				
	Reinforced Cement Concrete RCC spout including fiowing in position with top & Bottom Khuras Item 27 Page 19	Each	13	524.98	6,825
10	EXTRA LABOUR FOR R.C.C IN 3RD FLOOR				
	Add Extra Labour for RCC in Third Floor	CFT	855	24.2	20,691
11	EXTRA LABOUR FOR BLOCK IN 3RD FLOOR				
	Add Extra Labour for block in Third Floor	%Sft	1500	1191	17,865
12	EXTRA LABOUR FOR STEEL IN 2ND FLOOR				
	Add Extra Labour for STEEL in Second Floor	Cwt	54	301	16,254
13	EXTRA LABOUR FOR PLASTER IN 2ND FLOOR				
	Add Extra Labour 32% of Labour for PLASTER in Third Floor	%SFT	5200	251.86	13,097
14	Adding Cost of Difference of Deformed Bar G-60 as per notification dated 1st Dec 2021 letter No Case No IV/2(IV)-SO Rates Addendum & Corrigendum No-2	Per Kg	2700.00	112	302,400

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S.#	DESCRIPTION	UNIT	TOTAL QTY.	RATE IN PKR	AMOUNT
			A	B	C = B X A
15	Adding Cost of Difference of Ordinary Port Land Cement Cost as per notification dated 1st Dec 2021 letter No Case No IV/2(IV)-SO Rates Addendum & Corrigendum No-2	Bags	800.00	350	280,000
TOTAL COST OF THIRD FLOOR BASED ON SCHEDULE OF RATES 2012					1,931,819

SECTION - A:

MAIN BUILDING WORK - GROUND FLOOR

BASED ON NON-SCHEDULE RATES

1	IMPORTED EARTH FILLING				
	Supply, place and compact in layers of 6" thick compacted thickness to 95% Modified Proctor's Relative Dry Density, approved selected earth brought from outside to soil groups GM, SW, and ML as per ASTM D2487-85 (as amended) (classification of soil for engineering purpose) including cost of laboratory and field tests, spreading, leveling, watering and compaction etc; complete in all respect as per drawing and specifications and as instructed by the ENGINEER INCHARGE.	CFT	5500		
	ARCHITECTURAL				
2	PRECAST SPIRAL STAIR CASE				
	Providing, making and fixing Pre Cast Spiral staircase using 1:2:4 concrete with nominal steel complete in all respects confirming to the details given in drawing, specification and as per direction of Engineer.	Each	2		
3	WALL HAND RAIL				
	Providing, fabricating and fixing wall hand rail, using MS tube rail bracket fix to the wall as per detail CW-04 including 3" thick Circular wooden hand rail at top screwed with pipe rail including cost of polish on wooden rail. Complete in all respects confirming to the requirements of drawings, specifications and as per direction by the Engineer.	RFT	20		
4	ROUGH CAST MACHINE PLASTER				
	Providing and applying 1/8" thick rough cast plaster over external grooved plastered surface using 1:3 CSM including scaffolding, levelling, finishing, curing etc at any height as per drawing, specification as per direction.	SFT	1000		
5	GLASS FOR SKY LIGHT				
	Providing and fixing 6mm thick clear glass for sky light. Fix into MS frame of door including cost of wooden beading etc complete in all respects confirming of drawing and specification and to the entire satisfaction of the Engineer.	SFT	140		
6	FAIR FACED HOLLOW BLOCK MASONRY				
	Providing and laying 190mm thick Block Masonry using 390mmx190mmx190mm produced by Envicrete, Izhar, Banu Mukhtar or equivalent as approved Fair Faced Pigmented Hollow Block masonry using 10mm thick 1:4 CSM in approved shade and make. The average minimum Compressive strength of hollow block 1000 psi +/-5% based on net area including cost of all type of material, transportation, loading, unloading, wastage, scaffolding, curing, raking out joints in true level and length etc complete including removing of all dirt, debris, strain etc. complete.	SFT	2500		
7	FAIR FACED SOLID BLOCK MASONRY				
	Providing and laying 190mm thick Block Masonry using 390mmx190mmx190mm produced by Envicrete, Izhar, Banu Mukhtar or equivalent as approved Fair Faced Pigmented Solid Block masonry using 10mm thick 1:4 CSM in approved shade and make. The average minimum Compressive strength of hollow block 1500 psi +/-5% based on net area including cost of all type of material, transportation, loading, unloading, wastage, scaffolding, curing, raking out joints in true level and length etc complete including removing of all dirt, debris, strain etc. complete.	SFT	500		
8	STAIR HAND RAIL				

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S.#	DESCRIPTION	UNIT	TOTAL QTY.	RATE IN PKR	AMOUNT
			A	B	C = B X A
	Providing, fabricating & fixing 3'-0" high staircase railing, using 5/8" MS Square bar with 1-1/2" wide and 1/4" thick strip stiffener horizontal for support all welded properly and anchored/grouted to RCC structures including 3" circular wooden hand rail at top screwed with flat iron strip welded to Balusters including cost of 3 coat of red oxide paint and polish on wooden rail as per detail AW-71.2 (w) complete in all respects confirming to the requirement of drawings, specification and as direction by the Engineer.	RFT	40		
9	ALUMINUM PROFILE ON EXPANSION JOINT WALL				
	Providing and fixing aluminum profile 4"x3/4" in vertical expansion joint , fixed one side with screws at 12" C/C, including cutting of strip fixing tightly so as to make the points weather tight , as per detail No CW 01.1 complete as per drawing and as per direction.	Rft	80		
10	ALUMINUM METAL SADDLE IN FLOOR EXPANSION JOINT				
	Providing and Fixing 4" wide metal saddle fastened to expansion joint in floor fixed one side with screw @9" C/C , including cutting of strip, fixing tightly so as to make the joints weather tight, as per detail CW 011 complete as per drawing and direction.	Rft	65		
11	FALSE CEILING				
	Providing and installing 2'-0"x2'-0" Gypsum Board Moisture Resistant Ceiling Tiles including GI suspension system, attachment devices, hanger edge moulding, trim clip and trimming, including making provision for light fixture, A/C diffusers, smoke detectors etc. Complete in the respect and confirming to the requirements of drawings, specification.	SFT	580		
12	THERMOPORE IN EXPANSION JOINT				
	Providing and fixing thermopore in expansion joint(density 35Kg/Cum) of Column, beam, roof and removing after concrete pouring complete as per drawing & specification.	Sft	510		
13	GROOVE PLASTER				
	Providing and laying 1-1/2" thick external groove plaster (1:5) CSM to external block masonry and concrete wall surface, 3/4" thick base plaster and 3/4" thick and 5" wide strip making 3/4"x1" groove between strip including scaffolding, levelling, finishing and curing as per detail CW No 8 etc at any height including making vertical and horizontal control joints as per drawing and specification and as per direction.	SFT	1000		
14	MS RAFTER				
	Providing and installing MS Rafter size 10'-0" x 3' comprising of 2"x1/2" 16SWG MS box 4Nos each welded and supported by 2x1/2" MS 16SWG box 4 Nos at eqidistant painting with approved make and shade enamel paint three coats with anticorrosive primer complete as per direction.	SFT	720		
15	EXPANSION JOINT				
	Providing and making expansion joint including cost of 1"x1"Sealing Compound filling by gun or as specified by the manufacturer's recommendation (PU-300 of Pagel or its equivalent) with Backer Rod as per drawing ST-05), specifications and as directed by the Engineer.	RFT	105		
16	WINDOW BLIND				
	Provide and install window blinds of approved sample (thermec or approved equivalent) including lifting and fixing etc, complete as per drawings, specification instructions of the architect.	SFT	336		
17	MIRROR IN LAVATORY BLOCK				
	Provide and install in position, mirror in toilet consisting of 6mm thick Belgium mirror, double polished front and rear of approved quality with 12mm thick commercial ply backing fixed with 30x6 mm thick imported (European) SS clip, fix on wall including wastage, fixing and accessories etc. complete in all respect as per drawing, specifications and as instructed by the ENGINEER.	SFT	50		

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S.#	DESCRIPTION	UNIT	TOTAL QTY.	RATE IN PKR	AMOUNT
			A	B	C = B X A
18	Providing,fabricating & fixing in position in given sizes, semi solid block board door shutter 1-1/2" thick including 1/8" thick commercial ply on both sides, including 1/2' thick deodar wood lipping all around, hardware of approved quality/make such as hinges, bolts,latches, Al-drops, handle etc including stainless steel kick & push plates on both sides. All door hardwares are as per schedule including cost of termite proofing, rubbing, making surface smooth as per drawing & specification and as directed by the Engineer Incharge. (Door Frame and Paint is to be paid as seprate BOQ item)				
a)	Type D-4 3'-3"x7'-0"	Nos	26		
b)	Type D-4 3'-3"x7'-0" with 4mm thick clear glass vp	Nos	2		
c)	Type D-7 2'-6"x7'-0" with kick plate & hardware as per schedule	Nos	12		
d)	Type D-8 2'-0"x7'-0" with kick plate & hardware as per schedule	Nos	2		
	WARD ROBE				
19	Providing and install wardrobe comprising of deodar wood frame, 1/2" wood lipping, 3/4" laminated M.D.F (Alnoor or equivalent) of approved quality including wastage, cutting of openings, fixtures / hardware, polishing on lipping, termite proofing, including the cost of 4" thick 1:3:6 C.C Bed etc. complete in all respect as per drawing and specifications and as instructed by the Engineer.	Sft	936		
	TOTAL AMOUNT FOR NON SCHEDULE ITEMS GROUND FLOOR				

SECTION - B:

MAIN BUILDING - FIRST FLOOR

BASED ON NON-SCHEDULE RATES

1	WALL HAND RAIL				
	Providing, fabricating and fixing wall hand rail, using MS tube rail bracket fix to the wall as per detail CW-04 including 3" thick Circular wooden hand rail at top screwed with pipe rail including cost of polish on wooden rail. Complete in all respects confirming to the requirements of drawings, specifications and as per direction by the Engineer.	RFT	20		
2	STAIR HAND RAIL				
	Providing, fabricating & fixing 3'-0" high staircase railing, using 5/8" MS Square bar with 1-1/2" wide and 1/4" thick strip stiffner horizontal for support all welded properly and anchored/grouted to RCC structures including 3" circular wooden hand rail at top screwed with flat iron strip welded to Balusters including cost of 3 coat of red oxide paint and polish on wooden rail as per detail AW-71.2 (w) complete in all respects confirming to the requirement of drawings, specification and as direction by the Engineer.	RFT	40		
3	ALUMINUM PROFILE ON EXPANSION JOINT WALL				
	Providing and fixing aluminum profile 4"x3/4" in vertical expansion joint , fixed one side with screws at 12" C/C, including cutting of strip fixing tightly so as to make the points weather tight , as per detail No CW 01.1 complete as per drawing and as per direction.	Rft	80		
4	ALUMINUM METAL SADDLE IN FLOOR EXPANSION JOINT				
	Providing and Fixing 4" wide metal saddle fastened to expansion joint in floor fixed one side with screw @9" C/C , including cutting of strip, fixing tightly so as to make the joints weather tight, as per detail CW 011 complete as per drawing and direction.	Rft	65		
5	FALSE CEILING				
	Providing and installing 2'-0"x2'-0" Gypsum Board Moisture Resistant Ceiling Tiles including GI suspension system, attachment devices, hanger edge moulding, trim clip and trimming, including making provision for light fixture, A/C diffusers, smoke detectors etc. Complete in the respect and confirming to the requirements of drawings, specification.	SFT	580		

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S.#	DESCRIPTION	UNIT	TOTAL QTY.	RATE IN PKR	AMOUNT
			A	B	C = B X A
6	GROOVE PLASTER				
	Providing and laying 1-1/2" thick external groove plaster (1:5) CSM to external block masonry and concrete wall surface, 3/4" thick base plaster and 3/4" thick and 5" wide strip making 3/4"x1" groove between strip including scaffolding, levelling, finishing and curing as per detail CW No 8 etc at any height including making vertical and horizontal control joints as per drawing and specification and as per direction.	SFT	1,000		
7	ROUGH CAST MACHINE PLASTER				
	Providing and applying 1/8" thick rough cast plaster over external grooved plastered surface using 1:3 CSM including scaffolding, levelling, finishing, curing etc at any height as per drawing, specification as per direction.	SFT	1,000		
8	FAIR FACED HOLLOW BLOCK MASONARY				
	Providing and laying 190mm thick Block Masonary using 390mmx190mmx190mm produced by Envicrete, Izhar, Banu Mukhtar or equivalent as approved Fair Faced Pigmented Hollow Block masonry using 10mm thick 1:4 CSM in approved shade and make. The average minimum Compressice strength of hollow block 1000 psi +/-5% based on net area including cost of all type of material, transportation, loading ,unloading, wastage, scaffolding, curing, raking out joints in true level and length etc complete including removing of all dirt, debris, strain etc. complete.	SFT	2,620		
9	FAIR FACED SOLID BLOCK MASONARY				
	Providing and laying 190mm thick Block Masonary using 390mmx190mmx190mm produced by Envicrete, Izhar, Banu Mukhtar or equivalent as approved Fair Faced Pigmented Solid Block masonry using 10mm thick 1:4 CSM in approved shade and make. The average minimum Compressice strength of hollow block 1500 psi +/-5% based on net area including cost of all type of material, transportation, loading ,unloading, wastage, scaffolding, curing, raking out joints in true level and length etc complete including removing of all dirt, debris, strain etc. complete.	SFT	500		
10	GLASS FOR SKY LIGHT				
	Providing and fixing 6mm thick clear glass for sky light . Fix into MS frame of door including cost of wooden beading etc complete in all respects confirming of drawing and specification and to the entire satisfaction of the Engineer.	SFT	140		
11	MS RAFTER				
	Providing and installing MS Rafter size 10'-0" x 3' comprising of 2"x1/2" 16SWG MS box 4Nos each welded and supported by 2x1/2" MS 16SWG box 4 Nos at eqidistant painting with approved make and shade enamel paint three coats with anticorrosive primer complete as per direction.	SFT	720		
12	THERMOPORE IN EXPANSION JOINT				
	Providing and fixing thermopore in expansion joint(density 35Kg/Cum) of Column, beam, roof and removing after concrete pouring complete as per drawing & specification.	Sft	510		
13	EXPANSION JOINT				
	Providing and making expansion joint including cost of 1"x1"Sealing Compound filling by gun or as specified by the manufacturer's recommendation (PU-300 of Pagel or its equivalent) with Backer Rod as per drawing ST-05), specifications and as directed by the Engineer.	RFT	105		
14	WINDOW BLIND				
	Provide and install window blinds of approved sample (thermec or approved equivalent) including lifting and fixing etc, complete as per drawings, specification instructions of the architect.	SFT	336		
15	MIRROR IN LAVATORY BLOCK				
	Provide and install in position, mirror in toilet consisting of 6mm thick Belgium mirror, double polished front and rear of approved quality with 12mm thick commercial ply backing fixed with 30x6 mm thick imported (European) SS clip, fix on wall including wastage, fixing and accessories etc. complete in all respect as per draing, specifications and as instructed by the ENGINEER.	SFT	50		

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S.#	DESCRIPTION	UNIT	TOTAL QTY.	RATE IN PKR	AMOUNT
			A	B	C = B X A
15	WOODEN DOOR SHUTTER				
	Providing, fabricating & fixing in position in given sizes, semi solid block board door shutter 1-1/2" thick including 1/8" thick commercial ply on both sides, including 1/2" thick deodar wood lipping all around, hardware of approved quality/make such as hinges, bolts, latches, Al-drops, handle etc including stainless steel kick & push plates on both sides. All door hardwares are as per schedule including cost of termite proofing, rubbing, making surface smooth as per drawing & specification and as directed by the Engineer Incharge. (Door Frame and Paint is to be paid as seprate BOQ item)				
a)	Type D-4 3'-3"x7'-0"	Nos	26		
b)	Type D-4 3'-3"x7'-0" with 4mm thick clear glass vp	Nos	2		
c)	Type D-7 2'-6"x7'-0" with kick plate & hardware	Nos	12		
d)	Type D-8 2'-0"x7'-0" with kick plate & hardware	Nos	2		
16	WARD ROBE				
	Providing and install wardrobe comprising of deodar wood frame, 1/2" wood lipping, 3/4" laminated M.D.F (Alnoor or equivalent) of approved quality including wastage, cutting of openings, fixtures / hardware, polishing on lipping, termite proofing, including the cost of 4" thick 1:3:6 C.C Bed etc. complete in all respect as per drawing and specifications and as instructed by the Engineer.	Sft	936		
	TOTAL AMOUNT FOR NON SCHEDULE ITEMS FIRST FLOOR				

SECTION - C:

MAIN BUILDING AREA - SECOND FLOOR

BASED ON NON-SCHEDULE RATES

1	WALL HAND RAIL				
	Providing, fabricating and fixing wall hand rail, using MS tube rail bracket fix to the wall as per detail CW-04 including 3" thick Circular wooden hand rail at top screwed with pipe rail including cost of polish on wooden rail. Complete in all respects confirming to the requirements of drawings, specifications and as per direction by the Engineer.	RFT	10		
2	STAIR HAND RAIL				
	Providing, fabricating & fixing 3'-0" high staircase railing, using 5/8" MS Square bar with 1-1/2" wide and 1/4" thick strip stiffner horizontal for support all welded properly and anchored/grouted to RCC structures including 3" circular wooden hand rail at top screwed with flat iron strip welded to Balusters including cost of 3 coat of red oxide paint and polish on wooden rail as per detail AW-71.2 (w) complete in all respects confirming to the requirement of drawings, specification and as direction by the Engineer.	RFT	40		
3	ALUMINUM PROFILE ON EXPANSION JOINT WALL				
	Providing and fixing aluminum profile 4"x3/4" in vertical expansion joint , fixed one side with screws at 12" C/C, including cutting of strip fixing tightly so as to make the points weather tight , as per detail No CW 01.1 complete as per drawing and as per direction.	Rft	80		
4	ALUMINUM METAL SADDLE IN FLOOR EXPANSION JOINT				
	Providing and Fixing 4" wide metal saddle fastened to expansion joint in floor fixed one side with screw @9" C/C , including cutting of strip, fixing tightly so as to make the joints weather tight, as per detail CW 011 complete as per drawing and direction.	Rft	65		
5	FALSE CEILING				
	Providing and installing 2'-0"x2'-0" Gypsum Board Moisture Resistant Ceiling Tiles including GI suspension system, attachment devices, hanger edge moulding, trim clip and trimming, including making provision for light fixture, A/C diffusers, smoke detectors etc. Complete in the respect and confirming to the requirements of drawings, specification.	SFT	580		

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S.#	DESCRIPTION	UNIT	TOTAL QTY.	RATE IN PKR	AMOUNT
			A	B	C = B X A
6	GROOVE PLASTER				
	Providing and laying 1-1/2" thick external groove plaster (1:5) CSM to external block masonry and concrete wall surface, 3/4" thick base plaster and 3/4" thick and 5" wide strip making 3/4"x1" groove between strip including scaffolding, levelling, finishing and curing as per detail CW No 8 etc at any height including making vertical and horizontal control joints as per drawing and specification and as per direction.	SFT	1,000		
7	ROUGH CAST MACHINE PLASTER				
	Providing and applying 1/8" thick rough cast plaster over external grooved plastered surface using 1:3 CSM including scaffolding, levelling, finishing, curing etc at any height as per drawing, specification as per direction.	SFT	1,000		
8	FAIR FACED HOLLOW BLOCK MASONARY				
	Providing and laying 190mm thick Block Masonary using 390mmx190mmx190mm produced by Envicrete, Izhar, Banu Mukhtar or equivalent as approved Fair Faced Pigmented Hollow Block masonry using 10mm thick 1:4 CSM in approved shade and make. The average minimum Compressice strength of hollow block 1000 psi +/-5% based on net area including cost of all type of material, transportation, loading ,unloading, wastage, scaffolding, curing, raking out joints in true level and length etc complete including removing of all dirt, debris, strain etc. complete.	SFT	2,620		
9	FAIR FACED SOLID BLOCK MASONARY				
	Providing and laying 190mm thick Block Masonary using 390mmx190mmx190mm produced by Envicrete, Izhar, Banu Mukhtar or equivalent as approved Fair Faced Pigmented Solid Block masonry using 10mm thick 1:4 CSM in approved shade and make. The average minimum Compressice strength of hollow block 1500 psi +/-5% based on net area including cost of all type of material, transportation, loading ,unloading, wastage, scaffolding, curing, raking out joints in true level and length etc complete including removing of all dirt, debris, strain etc. complete.	SFT	500		
10	GLASS FOR SKY LIGHT				
	Providing and fixing 6mm thick clear glass for sky light . Fix into MS frame of door including cost of wooden beading etc complete in all respects confirming of drawing and specification and to the entire satisfaction of the Engineer.	SFT	140		
11	MS RAFTER				
	Providing and installing MS Rafter size 10'-0" x 3' comprising of 2"x1/2" 16SWG MS box 4Nos each welded and supported by 2x1/2" MS 16SWG box 4 Nos at eqidistant painting with approved make and shade enamel paint three coats with anticorrosive primer complete as per direction.	SFT	720		
12	THERMOPORE IN EXPANSION JOINT				
	Providing and fixing thermopore in expansion joint(density 35Kg/Cum) of Column, beam, roof and removing after concrete pouring complete as per drawing & specification.	Sft	510		
13	EXPANSION JOINT				
	Providing and making expansion joint including cost of 1"x1"Sealing Compound filling by gun or as specified by the manufacturer's recommendation (PU-300 of Pagel or its equivalent) with Backer Rod as per drawing ST-05), specifications and as directed by the Engineer.	RFT	105		
14	WINDOW BLIND				
	Provide and install window blinds of approved sample (thermec or approved equivalent) including lifting and fixing etc, complete as per drawings, specification instructions of the architect.	SFT	336		
15	MIRROR IN LAVATORY BLOCK				
	Provide and install in position, mirror in toilet consisting of 6mm thick Belgium mirror, double polished front and rear of approved quality with 12mm thick commercial ply backing fixed with 30x6 mm thick imported (European) SS clip, fix on wall including wastage, fixing and accessories etc. complete in all respect as per drawing, specifications and as instructed by the ENGINEER.	SFT	50		



DATE: 28-12-2021

S.#	DESCRIPTION	UNIT	TOTAL QTY.	RATE IN PKR	AMOUNT
			A	B	C = B X A
16	WOODEN DOOR SHUTTER				
	Providing,fabricating & fixing in position in given sizes, semi solid block board door shutter 1-1/2" thick including 1/8" thick commercial ply on both sides, including 1/2' thick deodar wood lipping all around, hardware of approved quality/make such as hinges, bolts,latches, Al-drops, handle etc including stainless steel kick & push plates on both sides. All door hardwares are as per schedule including cost of termite proofing, rubbing, making surface smooth as per drawing & specification and as directed by the Engineer Incharge. (Door Frame and Paint is to be paid as seprate BOQ item)				
a)	Type D-4 3'-3"x7'-0"	Nos	26		
b)	Type D-4 3'-3"x7'-0" with 4mm thick clear glass vp	Nos	2		
c)	Type D-7 2'-6"x7'-0" with kick plate & hardware	Nos	12		
d)	Type D-8 2'-0"x7'-0" with kick plate & hardware	Nos	2		
17	WARD ROBE				
	Providing and install wardrobe comprising of deodar wood frame, 1/2" wood lipping, 3/4" laminated M.D.F (Alnoor or equivalent) of approved quality including wastage, cutting of openings, fixtures / hardware, polishing on lipping, termite proofing, including the cost of 4" thick 1:3:6 C.C Bed etc. complete in all respect as per drawing and specifications and as instructed by the Engineer.	Sft	936		
	TOTAL AMOUNT FOR NON SCHEDULE ITEMS SECOND FLOOR				
SECTION - D:					
STRUCTURAL WORK - THIRD FLOOR					
BASED ON NON-SCHEDULE RATES					
	ARCHITECTURAL				
1	FAIR FACED HOLLOW BLOCK MASONARY				
	Providing and laying 190mm thick Block Masonary using 390mmx190mmx190mm produced by Envicrete, Izhar, Banu Mukhtar or equivalent as approved Fair Faced Pigmented Hollow Block masonry using 10mm thick 1:4 CSM in approved shade and make. The average minimum Compressice strength of hollow block 1000 psi +/-5% based on net area including cost of all type of material, transportation, loading ,unloading, wastage, scaffolding, curing, raking out joints in true level and length etc complete including removing of all dirt, debris, strain etc. complete.	SFT	1,250		
2	FAIR FACED SOLID BLOCK MASONARY				
	Providing and laying 190mm thick Block Masonary using 390mmx190mmx190mm produced by Envicrete, Izhar, Banu Mukhtar or equivalent as approved Fair Faced Pigmented Solid Block masonry using 10mm thick 1:4 CSM in approved shade and make. The average minimum Compressice strength of hollow block 1500 psi +/-5% based on net area including cost of all type of material, transportation, loading ,unloading, wastage, scaffolding, curing, raking out joints in true level and length etc complete including removing of all dirt, debris, strain etc. complete.	SFT	250		
3	ROOF TREATMENT				
	Provide and laying roof treatment of following items (For payment screed area will be measured)				
a	Providing & Laying elastomeric cementitious waterproofing and protective coating of Expancote Rubber-flex two-component acrylic polymer modified cementitious coating manufactured by M/S FOS PAK or equivalent confirming to ASTM D412 & ASTM D4541: 1989 in two coats to achieve a total dry film thickness of 1.25 – 2.00 mm as per manufacturer's recommendation with experienced applicator.	SFT	5,800		
b	1:2:4 screed in required slope minimum 2-1/2" thick (Average) laid in Panel using 5mm thick glass strip , including curing, making ridges, valleys, chamfered edges, hacking of existing surface for bond where necessary etc.	SFT	5,800		

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S.#	DESCRIPTION	UNIT	TOTAL QTY.	RATE IN PKR	AMOUNT
			A	B	C = B X A
c	DURACRETE				
	Providing & mixing Duracrete Polypropylene fibre by Matrixx mixing at the rate as per recommendation by manufacturer @100gms per bag of Cement as per direction of the Engineer Incharge.	Kg	5		
d	ROOF INSULATION				
	Providing & fixing Hollow block 390mmx190mmx90mm high density in natural colour manufacture by M/S Envicrete, Izhar ltd or equivalent minimum compressive strength 1000 +/- 5% based on Net Area, laid in 90mm thick on roof as insulation tile jointed with 1:4 CSM min. 1/2" thick 1:6 base mortar including levelling, curing etc complete as per direction.	SFT	5,800		
	TOTAL AMOUNT FOR NON SCHEDULE ITEMS THIRD FLOOR				
SECTION - E:					
TENNIS COURT, VOLLEY BALL & CENTRAL COURT					
BASED ON SCHEDULED RATES					
	TENNIS COURT & VOLLEY BALL COURT				
1	Jungle Clearance				
	Jungle Clearance and removing within 100 ft (b) thick Item No 4 (b) Page 95 Chapter 18	%0Cft	10,720	151	1,621
2	EXCAVATION FOR FOUNDATION				
a	Excavation in shingle or gravel formation and rock in dry not requiring blasting undressed lead upto 100ft. (Page No1 item No 4)	%0Cft	21,440	5,748	123,226
b	Extra for every 50'-0" lead or part thereof 500'lead Item no 8 a) Page No 2	%0Cft	10,720	1,008	10,804
3	DISPOSAL OF EARTH				
	Cartage of 100Cft/ 5 Tons of all material like stones, aggregate, spawl,Coal,lime, surkhi etc by Truck----- lead 1 mile	% CFT	21,440	407	87,261
4	TERMITE PROOFING				
	Providing anti-termite treatment by spraying / sprinkling / spreading Neptachler 0.5% Emulsion as an overall pre-construction treatment in slab type construction under the slab and attached perches or entrances etc. complete in all respect as per directions of the Engineer-in-Charge (Page No. 108, Item No. 92)	SFT	10,720	10	104,413
5	STONE SOLING				
	Stone pitching including sub-base with hammer dressed stone on surface laid in courses including carriage of materials chains. (Page No. 32, Item No. 23) 6" THICK	%Cft	5,304	5,378	285,229
6	PLAIN CEMENT CONCRETE				
i)	Cement concrete plain including placing compacting, finishing and curing complete (including screining and washing at stone aggregate without shuttering (Page No. 16, Item No. 5-i) 1:4:8 Concrete				
A)	Under Floor	% CFT	5,304	11,289	598,755
7	POLY ETHYLENE SHEET				
	Providing and laying single per layer of polyethylene sheet 0.13 mm thick for water proofing as per specification and instruction of Engineer Incharge (Page No. 38, Item No. 38).	SFT	10,720	11	114,704
8	GLASS PATTI				
	Providing & fixing glass strips 4mm for flooring upto 1" depth including fixing in flooring with cement inspecified pattern & design. Item No75 Page /50	PSFT	10,720	11	119,635
9	RCC SLAB ON GRADE				
	NOTE : ALL STRUCTURAL CONCRETE UPTO PLINTH LEVEL SHALL BE WITH SULPHATE RESISTING CEMENT .HOWEVER THE DIFFERENCE OF COST SHALL BE PAID AS PER MENTIONED IN NON-SCHEDULE ITEM.				
	Providing & laying 4" thick RCC slab on Grade Using Concrete 1:1-1/2:3. Item No 6b (II) Page 17	PCFT	3,303	322	1,062,806
10	REINFORCEMENT BAR				

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S.#	DESCRIPTION	UNIT	TOTAL QTY.	RATE IN PKR	AMOUNT
			A	B	C = B X A
	Fabrication of Mild Steel Reinforcement for Cement Concrete i/C cutting, bending, laying in position, making joints and fastenings including cost of binding wire (also includes removal of (b) Using Tor bars. Item no 8(b) Page 17	Per CWT	60	5,002	300,102
11	CONCRETE FLOOR TOPPING ON SLAB ON GRADE				
	Reinforced Cement Concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of form moulds, lifting shuttering, curing, rendering and finishing the exposed surface (including screening & washing of shingle Ratio 1:1-1/2 :3 Concrete.	CFT	2,000	349	698,000
	DIFFERENCE OF COST AS PER ADDENDA				
12	Adding Cost of Difference of Deformed Bar G-60 as per notification dated 1st Dec 2021 letter No Case No IV/2(IV)-SO Rates Addendum & Corrigendum No-2	Per Kg	3,000	112	336,000
13	Adding Cost of Difference of Ordinary Port Land Cement Cost as per notification dated 1st Dec 2021 letter No Case No IV/2(IV)-SO Rates Addendum & Corrigendum No-2	Bags	1,650	350	577,500
14	ADD EXTRA FOR SULPHATE RESISTANT CEMENT (REF SOR MATERIALS VOL-III PART-III SIXTH EDITION-2011 PAGE 3&4	Bags	1,650	40	66,000
	TOTAL AMOUNT OF SCHEDULED BASED ITEM				4,486,057

SECTION - E:

TENNIS COURT, VOLLEY BALL & CENTRAL COURT

BASED ON NON - SCHEDULED RATES

1	EARTH FILLING				
	Suppling, placing and compacting in layers of 6" thick of compacted thickness to 95% Modified Proctor's Relative density, approved selected earth brought from out side to soil groups GM, SW and ML as per ASTM D2487-85 (as amended) Classification of soils for Engineering Purposes) including Cost of spreading ,levelling, dressing, watering and mechanical compaction as per drawing & specification and instruction.	CFT	10,720		
2	DURACRETE				
	Providing & mixing Duracrete Polypropylene fibre by Matrixx mixing at the rate as per recommendation by manufacturer @100gms per bag of Cement as per direction of the Engineer Incharge.	KG	10		
3	FLOOR COATING				
	Providing & painting with water based acrylic reinforced floor coat Berger or equivalent in two coats each coat dry minimum 25 micro meter in approved shade by using roller or as per manufacturer's recommendation.	SFT	4,608		
4	LINE MARKINGS				
	Providing & Marking lines with floor marking 2" WIDE OR AS DIRECTED USING MARKING PAINT BY , Jotun, Berger or equivalent as approved MAKE & SHADE.	RFT	684		
5	PROTECTIVE FENCE				
	Providing , Making & fixing enamel painted protective fence comprising of 75mm dia 6.0 m MS corner post 4mm thick, 50mm dia 4mm thick 6.00 meter long intermediate post , 25mm dia 3mm thick top and intermediate horizontal bracing, 12 Gauge Galvanised chain mesh of 50x50mm pitch size welded/ fixed to steel supports (m.s) 6m high red oxide and and enameled painted supplied with MS plate, provision of doors, including cost of making RCC foundation and Pedestal Column, steel reinforcement, all necessary hardware to complete the work as per drawings, manufacturer's specifications and as per instruction.	SFT	5,100		

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S.#	DESCRIPTION	UNIT	TOTAL QTY.	RATE IN PKR	AMOUNT
			A	B	C = B X A
6	WOODEN BENCHES				
	Providing ,making & fixing in position seasoned wood, termite treated golden teak wooden benches including all necessary hardware to complete as per drawing	RFT	36		
7	TENNIS COURT NET				
	Providing & fixing Tennis Court Net WILSON, BABOLAT or equivalent including enamel painted 4-1/2 " dia pole with Americal style Nobe, RCC Concrete foundation and steel reinforcement, all fixing arrangement to complete work in all respect as per drawing, specifications and as instructed by the Engineer Incharge.	Job	1		
8	VOLLEY BALL NET				
	Providing & fixing Volley Ball Net including Enamel Painted 3"dia Pole with American style Knob, RCC Concrete Foundation and all fixing Arrangement, Steel reinforcement to complete work complete in all respect as per drawing, specifications and as per direction.	each	1		
TOTAL AMOUNT OF SCHEDULED BASED ITEM					

SECTION - F:

EXTERNAL DEVELOPMENT

BASED ON SCHEDULED RATES

EXTERNAL DEVELOPMENT					
1	EXCAVATION FOR FOUNDATION				
a	Excavation in shingle or gravel formation and rock in dry not requiring blasting undressed lead upto 100ft. (Page No1 item No 4)	%0Cft	39,380	5,748	226,337
2	DISPOSAL OF EARTH				
	Cartage of 100Cft/ 5 Tons of all material like stones, aggregate, spawl,Coal,lime, surkhi etc by Truck----- lead 1 mile	% CFT	39,380	407	160,277
3	TERMITE PROOFING				
	Providing anti-termite treatment by spraying / sprinkling / spreading Neptachler 0.5% Emulsion as an overall pre-construction treatment in slab type construction under the slab and attached perches or entrances etc. complete in all respect as per directions of the Engineer-in-Charge (Page No. 108, Item No. 92)	SFT	19,690	10	191,781
4	Back Filling				
a)	USING EXCAVATED/SURPLUS EARTH PRESENT AT SITE				
i)	Filling, watering and ramming earth in floors with surplus earth from foundation lead upto one chain and lift upto 5'-0" (Item No 21 Page No 4)	%0 CFT	39,380	1,513	59,562
5	KERB STONE				
	Providing & fixing Precast Edge Block 3750 PSI Industrial made size 6"x12"x12" high including the cost of cartage, excavation, form work for haunching, 1450PSI lean concrete 2250 PSI Concrete for haunching 1:4 CSM mortar.	PRft	1,352	297	401,558
6	PLAIN CEMENT CONCRETE				
i)	Cement concrete plain including placing compacting, finishing and curing complete (including screining and washing at stone aggregate without shuttering (Page No. 16, Item No. 5-i) 1:4:8 Concrete				
A)	Under Floor	% CFT	1,690	11,289	190,780
7	POLY ETHYLENE SHEET				
	Providing and laying single per layer of polyethylene sheet 0.13 mm thick for water proofing as per specification and instruction of Engineer Incharge (Page No. 38, Item No. 38).	SFT	19,690	11	210,683

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S.#	DESCRIPTION	UNIT	TOTAL QTY.	RATE IN PKR	AMOUNT
			A	B	C = B X A
8	CC PAVER				
i	Providing and fixing Cement Paving Blocks flooring having size of 197x97x80mm of city /quddra/cobble shape with natura colour having struength b/w 5000 psi to 8500 psi i/c filling the joints with hill sand and laying in specified manner /pattern and design complete Item No 71 Page No 49	PSFT	3,380	200	675,223
ii	do but pigmented	PSFT	2,500	224	559,925
9	Adding Cost of Difference of Ordinary Port Land Cement Cost as per notification dated 1st Dec 2021 letter No Case No IV/2(IV)-SO Rates Addendum & Corrigendum No-2	Bags	165.00	350	57,750
	EXTERNAL DEVELOPMENT				-
10	ADD EXTRA FOR SULPHATE RESISTANT CEMENT (REF SOR MATERIALS VOL-III PART-III SIXTH EDITION-2011 PAGE 3&4	Bags	1,650	40	66,000
TOTAL AMOUNT OF SCHEDULED BASED ITEM					2,799,874

**SECTION - G:
HORICULTURE**

HORTICULTURE					
1	SWEET EARTH				
	Supplying stacking & Spreading approved garden soil (sweet earth) free from salts, pebbles and grass roots etc. including all leads and lifts.	CFT	10,600		
2	MANURE				
	Supplying , stacking & spreading well decayed sewage manure from approved sources including all leads and lifts .	CFT	1,200		
3	GRASS				
a	Supply &Grassing fine by dribbling grass roots 3" apart including watering, weeding till such time the grass is set and becomes green and is fit for mowing DHAKA GRASS	SFT	8,500		
b	same as item number 4 but St. Augustian grass	SFT	2,500		
4	Trees				
	Preparing Tree Pit (size 4' X 4'.X 4') wherever required by excavating into any strata.				
	Application of antitermite treatment @ 20 ml of Chloropyriphos per plant on the walls & base of the pit.				
	Filling the pit with compost. (ratio 1 animal manure : 3 sweet earth).				
	Flooding with water at least 20 ltr. Per tree, dressing including removal of rubbish & surplus earth if any with all leads & lifts, planting and staking (with a bamboo dipped in charcoal) in full and final location including all locations specified. Maintenance of trees for a period of 3 months from the date of plantation, replacement of any dead & unhealthy tree in this period,				
	Supply & spraying of insecticides as required.				
	Supply & planting of the following trees as per botanical name & specification mentioned below:				
	Complete in all respect as per drawings, specifications and as per the instruction by the architect.				
a	T-01 Champa Tree (2" dia trunk size, 8'-10' high, Multiple branching).	each	25		
b	T-02 Termenalia (1.5"-2" dia trunk size, 8-10' high multiple branching)	each	45		
c	T-03 Bamboo Tree (2" dia trunk size, 8'-10' high, Multiple branching)	each	25		
d	T-05 Erika Palm 5' high	each	10		
e	T-06 Cornocorpus Hedge 8' high	each	25		
f	T-07 Triangular Palm 10" high	each	20		
g	T-08 Gulmuhar Tree (2" dia trunk size, 8'-10' high, Multiple branching).	each	25		
4	HORTICULTURE				
5	GROUND COVER				
	Providing and planting the following ground covers as per drawings, specifications, and as instructed by architect.				
a	Wadhlia (yellow flowering)	each	20		

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S.#	DESCRIPTION	UNIT	TOTAL QTY.	RATE IN PKR	AMOUNT
			A	B	C = B X A
b	Pebbles	cft	2,000		
c	Crush (1" thick Avg. grey color)	cft	1,500		
TOTAL AMOUNT OF SCHEDULED BASED ITEM					

SECTION - H :

SUPPLY, INSTALLATION, TESTING & COMMISSIONING

SOIL, WASTE AND VENT PIPING

Make - Ref. List of approved Manufacturers

Supply, install and commission Soil & Waste piping uPVC Non Pressure pipes & fittings confirming to BSS 3505/BSS 3506 PSI 3051-91 ASTM D 1785-94 DIN 8061-8062 standards, including all special accessories, and hangers as per drawings & specifications for drainage systems.

1	75mm dia I.D	Rm	110		
2	100mm dia I.D	Rm	55		
3	32mm Dia VENT PIPE	Rm	34		
4	50mm Dia Vent Pipe	Rm	79		
5	75mm Dia Vent Pipe	Rm	21		
Supply & Installation of UPVC floor drain with SS Cover of the following size with all consumable of approved make .					
6	75mm				
Supply & Installation of floor clean out of following sizes including all consumable as per approved make.					
7	100mm Diameter	Nos	12		
Supply installation of Cowel Vent of the following sizes as per specification and approved make.					
8	75mm dia	Nos	2		
TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM					

SECTION - I :

SUPPLY, INSTALLATION, TESTING AND COMMISSIONING

SANITARY FIXTURES AND FITTINGS WITH ALL CONSUMABLE AND ACCESSORIES WITH COMPETE IN ALL RESPECTS

Make - Ref. List of approved Manufacturers

1	Water Closet Western Floor Mounted with Flush tank operated.	Nos	12		
2	Water Closet Eastern Cistern Operated.	Nos	6		
3	Wash Hand Basin of Half Pedestal	Nos	18		
4	Single Lever Wash Hand Basin Mixer	Nos	18		
5	Single lever Shower Mixer & shower hose,.	Nos	12		
6	WC Bib Cock	Nos	18		
7	Janitorial Bib Cock	Nos	6		
8	Liquid Soap Dispenser	Nos	6		
9	WC Hand Shower	Nos	18		
10	toilet paper holder	Nos	18		
11	Towel Rail including accessories	Nos	18		
TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM					

SECTION - J:

SUPPLY, INSTALLATION, TESTING AND COMMISSIONING

SEWER PIPE NETWORK AND MANHOLES

Make - Ref. List of approved Manufacturers

Soil & Waste piping UPVC Non Pressure pipes & fittings confirming to BSS 3505/BSS 3506 PSI 3051-91 ASTM D 1785-94 DIN 8061-8062 standards, including all					
1	150mm I.D Diameter	Rm	137		
2	Making of Manhole 900mm x 900mm internal size with block masonry 200mm thick wall water proof plaster from both sides, including, excavation, back filling, RCC ring and Cover 600mm dia with benching complete. Maximum depth upto invert level 1800mm. complete as per drawing & design.	Nos	12		
TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM					

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S.#	DESCRIPTION	UNIT	TOTAL QTY.	RATE IN PKR	AMOUNT
			A	B	C = B X A

SECTION - K :

SUPPLY, INSTALLATION, TESTING AND COMMISSIONING

WATER, GAS AND FIRE SUPPRESSION PIPING

Make - Ref. List of approved Manufacturers

	Poly Propylene Random PPR (PN 20) piping for Cold Water Supply system complete in all respects with all fittings & accessories as per drawings and				
1	20mm Diameter (20mm OD)	Rm	256		
2	25mm Diameter (25mm ID)	Rm	24		
3	32mm Diameter (32mm OD)	Rm	76		
4	38mm Diameter (40mm OD)	Rm	82		
5	50mm Diameter (50mm OD)	Rm	12		
6	62 inch Diameter (65mm OD)	Rm	12		

	Poly Propylene Random PPR (PN 20) piping for Hot Water Supply system complete in all respects with all fittings & accessories as per drawings and				
7	20mm Diameter	Rm	134		
8	25mm Diameter	Rm	23		
9	32mm Diameter	Rm	46		
10	38mm Diameter	Rm	31		
11	50mm Diameter	Rm	6		

	Closed Cell Foam (Fire Retardant) Insulation (IPI) with venture Cladding on PPR pipes of the following sizes having thermal conductivity of 0.26 BTU/Ht ft				
12	20mm Diameter	Rm	134		
13	25mm Diameter	Rm	23		
14	32mm Diameter	Rm	46		
15	38mm Diameter	Rm	31		
16	50mm Diameter	Rm	6		

	Galvanized Steel (GI) piping with anticorrosive Tape, Medium quality confirming to BS 1387 for Gas supply complete in all respects with all fittings &				
17	20mm Diameter	Rm	9		
18	20mm Diameter	Rm	38		
19	25mm Diameter	Rm	49		

	TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM				
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SECTION - L :

SUPPLY, INSTALLATION, TESTING AND COMMISSIONING

WATER, GAS AND FIRE SUPPRESSION FITTINGS AND FIXTURES

Make - Ref. List of approved Manufacturers

1	Landing Valve hydrant with quick coupling of the size 75mm diameter incl. all consumable and accessories as per specification.	Each	8		
2	Gate Valves confirming with ASTM A216 - WCB with all consumable and accessories as per drawings & specifications.				
a	25mm Diameter	Nos	12		
b	32mm Diameter	Nos	6		
c	38mm Diameter	Nos	10		
3	CHECK Valves confirming with ASTM A216 - WCB with all consumable and accessories as per drawings & specifications. 38mm dia	Nos	4		
4	FLOAT Valves confirming with ASTM A216 - WCB with all consumable and accessories as per drawings & specifications. 38mm dia	Nos	4		
5	VALVE CHAMBER 36" X 24" DEPTH AS PER REQUIRED WITH 6" THICK BLOCK MASONARY 1:6 csm and 1/2" thick internal & external water proof plaster complete as per drawings & specifications including PVC frame and cover as per drawing & direction.	Nos	4		

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S.#	DESCRIPTION	UNIT	TOTAL QTY.	RATE IN PKR	AMOUNT
			A	B	C = B X A
6	Cold & Hot Water Dispenser Plastic body 36"Hx 11"W and 12"D as per approved make and model.	Nos	6		
7	Gas water Gyser 55 Gallons Capacity 10 ~12 SWG Galvanized Water Tank, Heavy duty Thermostat with pressure relieving valve complete as per specification.	Nos	6		
8	Over Head Fibre Glass Water Tank 500 US Gallons (1892 litres) horizontal type complete with all fittings as per drawings & specifications.	Nos	2		
9	32mm dia x100 RFT Hose Reels (C/01-04) with Cabinet Door for two Compartment, complete with supports including with all Consumables and Assoceries of all as per specification.	Nos	6		
10	6 Kg Dry Powder portable fire extingisher, complete with supports including with all Consumables and Assoceries of all as per specification and approved make.	Nos	6		
11	2 Kg Carbon DiOxide portable fire extingisher, complete with supports including with all Consumables and Assoceries of all as per specification and approved make.	Nos	6		
TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM					

SECTION - M:
SUPPLY, INSTALLATION, TESTING & COMMISSIONING
WIRING / WIRING ACCESSORIES ETC.
Make - Ref. List of approved Manufacturers

1	Wiring of light circuit from DB to switch, between switches or first light point / directly controlled from DB with single core PVC insulated 2 x 1C - 2.5 sq.mm + 1 x 2.5 sq.mm wires in 25 mm dia PVC conduit complete in all respect.	Nos.	48		
2	Wiring from switch to first light point with 2 x 1C - 1.5 sq.mm + 1 x 1.5 sq.mm wires in 25 mm dia PVC conduit complete in all respect.	Nos.	490		
3	Same as above but from point to point.	Nos.	122		
4	Wiring of power circuit from DB to first power socket with 2 x 1C-4 sq.mm + 1x 4 Sq.mm PVC wires in 25 mm dia PVC conduit complete in all respect. Normal & Emergency.	Nos.	78		
5	same as above but outlet to outlet	Nos.	93		
6	Wiring of Light circuit from DB to first light point with 2 x 1C-2.5 sq.mm + 1x 2.5 Sq.mm PVC wires in 25 mm dia PVC conduit complete in all respect.	Nos.	6		
7	same as above but point to point.	Nos.	25		
8	Wiring of power circuit from DB to AC - Isolator point and outdoor with 2 x 1C-4 sq.mm + 1x 4 Sq.mm PVC wires in 25 mm dia PVC conduit complete in all respect.	Nos.	70		
TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM					

SECTION - N:
SUPPLY, INSTALLATION, TESTING & COMMISSIONING
SWITCHES, SOCKETS, OUTLET & ACCESSORIES
Make - Ref. List of approved Manufacturers

1 (a)	Following Switches etc. with M.S back box complete in all respect.				
	1 - Gang. (1-way)	Nos.	19		
	2 - Gang. (1-way)	Nos.	180		
	3 - Gang . (1-way)	Nos.	4		
	4 - Gang . (1-way)	Nos.	9		
	Fan dimmers	Nos.	90		

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S.#	DESCRIPTION	UNIT	TOTAL QTY.	RATE IN PKR	AMOUNT
			A	B	C = B X A
1 (b)	Following Sockets with all accessories complete in all respects				
	13A Duplex Type - Flat pin	Nos.	6		
	13 A Simplex type - Flat Pin	Nos.	180		
	13 A International Switch socket outlet	Nos.	360		
	13A Isolator switch for A.C	Nos.	90		
2	Weather proof 10A switches with M.S back box complete in all respect.				
	1 - Gang .(1-way)	Nos.	3		
	2 - Gang .(1-way)	Nos.	3		
3	Weather proof socket outlet (IP-54) including sheet steel Back box or plastic box.				
	13 Amp - International Switch Socket.	Nos.	6		
4	Pull box as per drawing/requirement with M.S powder coated paint (With Cover)				
	4"x4"	Nos.	3		
	18"x18"	Nos.	3		
TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM					

SECTION- O :

SUPPLY, INSTALLATION, TESTING & COMMISSIONING

UN-INTERRUPTED POWER SUPPLY

Make - Ref. List of approved Manufacturers

1	Following size of UPS (10 Minutes backup) for emergency as per drawing/specs with dry battery complete in all respect.				
a	10 KVA. (3-Phase in 1-Phase out).	Nos.	1		
b	6 KVA. (3-Phase in 1-Phase out).	Nos.	1		
TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM					

SECTION- P :

SUPPLY, INSTALLATION, TESTING & COMMISSIONING

LIGHT FIXTURES & FANS

Make - Ref. List of approved Manufacturers

1	Following LED light fixtures complete in all respect.				
a	LED Downlight - 10 W	Nos.	143		
b	LED Tubelight with fixture - 4ft - 14W	Nos.	188		
c	LED Tubelight with fixture - 2ft - 12W	Nos.	23		
d	LED wall Light	Nos.	180		
e	LED Exit Lights - Battery maintained with 2 hours battery backup.	Nos.	11		
f	LED Bollard light - weather proof external	Nos.	16		
2	Following Fans with complete accessories and hanging arrangements etc. complete in all respect.				
a	Exhaust Fan 18"	Nos.	8		
b	Ceiling Fan 56" - max. 60 Watt	Nos.	90		
TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM					

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S.#	DESCRIPTION	UNIT	TOTAL QTY.	RATE IN PKR	AMOUNT
			A	B	C = B X A
SECTION- Q :					
SUPPLY, INSTALLATION, TESTING & COMMISSIONING					
MAIN. SUB-MAIN CABLES, CONDUIT & CABLE TRAY					
Make - Ref. List of approved Manufacturers					
1	Following size multicore Cu/PVC/PVC/XLPE, including lugs, glands, termination kits, etc. complete in all respect as shown on drawing. Cables if layed in cable tray trafoil arrangements shall be made				
a	3.5C-120 Sqm Cu./XLPE + 1C-70Sq.mm Cu./PVC as ECC from Existing MLTP to MDB in 100 mm dia Class-D conduit.	Rm	12		
b	3.5C-50 Sqm Cu./XLPE + 1C-25Sq.mm Cu.PVC as ECC from MDB to SMDB - Ground floor -01 in 100mm dia Class-D conduit.	Rm	38		
c	3.5C-95 Sqm Cu./XLPE + 1C-25Sq.mm Cu.PVC as ECC from MDB to SMDB - Ground floor -01 in 100mm dia Class-D conduit.	Rm	77		
d	4C-10 Sqm Cu./PVC/PVC + 1C-10Sq.mm Cu.PVC as ECC from SMDB Block - 01 to DB - Ground floor -01 in already laid cable tray	Rm	12		
e	4C-10 Sqm Cu./PVC/PVC + 1C-10Sq.mm Cu.PVC as ECC from SMDB Block - 01 to DB - First floor -01 in already laid cable tray	Rm	20		
f	4C-16 Sqm Cu./PVC/PVC + 1C-16Sq.mm Cu.PVC as ECC from SMDB Block - 01 to DB - Second Floor -01 in already laid cable tray.	Rm	30		
g	4C-16 Sqm Cu./PVC/PVC + 1C-16Sq.mm Cu.PVC as ECC from SMDB Block - 02 to DB - Ground floor -02 in already laid cable tray	Rm	10		
h	4C-16 Sqm Cu./PVC/PVC + 1C-16Sq.mm Cu.PVC as ECC from SMDB Block - 02 to DB - First floor -02 in already laid cable tray	Rm	20		
i	3.5C-25 Sqm Cu./PVC/PVC + 1C-16Sq.mm Cu.PVC as ECC from SMDB Block - 02 to DB - First floor -02 in already laid cable tray	Rm	30		
j	3C-6 Sqm Cu./PVC/PVC from SMDB Block - 01 to DB - UPS -01 in already laid cable tray	Rm	15		
k	3C-6 Sqm Cu./PVC/PVC from SMDB Block - 01 to DB - UPS -01 in already laid cable tray	Rm	15		
2	Following sizes of PVC conduits complete in all respect				
a	50 mm dia.	Rm	10		
b	38 mm dia.	Rm	10		
c	32 mm dia.	Rm	10		
d	25 mm dia.	Rm	10		
e	20 mm dia.	Rm	10		
3	Following sizes of Class- D PVC conduits complete in all respect				
a	75 mm dia.	Rm	8		
b	50 mm dia.	Rm	8		
c	38 mm dia.	Rm	8		
d	32 mm dia.	Rm	8		
4	Following sizes of Core Cutting complete in all respect.				
a	Core Cutting 4" Dia	Nos.	5		
b	Core Cutting 6" Dia	Nos.	5		

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S.#	DESCRIPTION	UNIT	TOTAL QTY.	RATE IN PKR	AMOUNT
			A	B	C = B X A
c	Core Cutting 8" Dia	Nos.	5		
d	Core Cutting 10" Dia	Nos.	5		
5	Galvanized Cable Tray including Cover of 16 SWG M.S. sheet steel (perforated) having 02 coats of Zinc Chromate paint with cover and hanging arrangement from ceiling / wall as per drawing / site conditions, complete in all respect to the entire satisfaction to Client / Consultant.				
	CABLE TRAY				
a	100mm x 75mm 16 SWG	Rm	22		
b	150mm x 100mm 16 SWG	Rm	45		
c	300mm x 100mm 16 SWG	Rm	24		
TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM					

SECTION - R:**SUPPLY, INSTALLATION, TESTING & COMMISSIONING****SWITCHBOARDS / DISTRIBUTION BOARDS**
Make - Ref. List of approved Manufacturers

1	Supply & Installation of the following distribution boards as per detail shown on drawing complete in all respect.				
a	Main Distribution Board	Nos.	1		
b	SMDB BLOCK - 01	Nos.	1		
c	SMDB BLOCK - 02	Nos.	1		
d	DB - Ground Floor - 01	Nos.	1		
e	DB - First Floor - 01	Nos.	1		
f	DB - Second Floor - 01	Nos.	1		
g	DB - Ground Floor - 02	Nos.	1		
h	DB - First Floor - 02	Nos.	1		
i	DB - Second Floor - 02	Nos.	1		
j	DB - UPS - 01	Nos.	1		
k	DB - UPS - 02	Nos.	1		
l	DB - EXTERNAL	Nos.	1		
TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM					

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S.#	DESCRIPTION	UNIT	TOTAL QTY.	RATE IN PKR	AMOUNT
			A	B	C = B X A

SECTION - S:

SUPPLY, INSTALLATION, TESTING & COMMISSIONING

EARTHING SYSTEM

Make - Ref. List of approved Manufacturers

1	Following size single core PVC insulated cable in 38mm Class-D PVC Conduit from earth electrode to ECP complete in all respects. Earth Test Report to be submitted by contractor to client.				
	50 sq. mm	Rm.	30		
	35 sq. mm	Rm.	30		
2	3 Meter long 20mm dia steel rod copper claded, including inspection pit, test bar, chemical, etc. Earth resistance should be less than 1 ohm.	Nos.	4		
3	Bare copper strip of following size earth connecting point (ECP) with proper mounting arrangements including cover as per drawing complete in all respects.				
	200 mm x 50 mm x 10 mm	Nos.	2		
TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM					

SECTION - T:

SUPPLY, INSTALLATION, TESTING & COMMISSIONING

WIRING & ACCESSORIES FOR FIRE ALARM SYSTEM

Make - Ref. List of approved Manufacturers

	Supply, installation, Testing and Commissioning of following including flexible conduits from points to device complete in all respects as per drawings / specs.				
1	Fire alarm control panel (Addressable - 02 loop)	Nos.	2		
2	Smoke Detector.	Nos.	102		
3	Heat Detector.	Nos.	2		
4	Manual call point (Break glass).	Nos.	12		
5	Fire alarm sounder & Flasher.	Nos.	12		
6	Wiring of complete Fire Alarm System with 2C-1.5 Sq.mm PVC/XLPE (Fire Resistance Cable- 2 hours fire rating) in 25 mm dia PVC Conduit.	Rm	480		
TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM					

SECTION - U:

SUPPLY, INSTALLATION, TESTING & COMMISSIONING

WIRING & ACCESSORIES FOR DATA SYSTEM

Make - Ref. List of approved Manufacturers

	Supply, installation, Testing and Commissioning of following including flexible conduits from points to device complete in all respects as per drawings / specs.				
1	48 port PoE data switch	Nos.	3		
2	24 port PoE data switch	Nos.	1		
3	24 Port patch panel with patch cord cables.	Nos.	1		
4	48 Port patch panel with patch cord cables.	Nos.	3		
5	6U data rack	Nos.	1		
6	18U data rack	Nos.	1		



DATE: 28-12-2021

S.#	DESCRIPTION	UNIT	TOTAL QTY.	RATE IN PKR	AMOUNT
			A	B	C = B X A
7	RJ-45 including I/O with face plate, back box & accessories complete in all respect.	Nos.	141		
8	6C multi mode fibre optic cable in 25mm dia pvc conduit.	Rm	50		
9	Cat-6 UTP cable in 25mm dia pvc conduit from each outlet to Data rack in Ground Floor.	Nos.	141		
TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM					

SECTION - V:

SUPPLY, INSTALLATION, TESTING & COMMISSIONING

EXHAUST AND VENTILATION FANS

Make - Ref. List of approved Manufacturers

1	Centrifugal fan (FN-05) of Capacity and specification as mentioned in Specification sheet complete with Foundation and supports and commissioning, testing, cleaning ,Adjusting, Balancing, including with all consumable and accessories.	Nos	1		
2	Centrifugal fan (FN-05) of Capacity and specification as mentioned in Specification sheet complete with Foundation and supports and commissioning, testing, cleaning, Adjusting, Balancing, including with all consumable and accessories.	Nos	1		
3	6" dia Disc Valve Similar to Model Tyrox Type LV complete with all supports and consumables and accessories of any of brand as mentioned in approved list and as per specifications.	Nos	48		
4	Machine made duct work for Air Exhaust , complete with GI Duct sleeve & supports including with all d consumables and accessories of any of brand as mentioned in approved list and as per specifications.	Sq.ft	1400		
5	Quadrant volume dampers (Clear Type) complete with all accessories of any of the brand as mentioned in approved manufacturer's list as per specification.	Sq.ft	20		
6	Butterfly dampers 6" (150mm) dia complete with all accessories of any of the brand as mentioned in approved manufacturer's list as per specification.	Nos	48		
7	Flexible duct 6" (150mm) dia complete with all accessories of any of the brand as mentioned in approved manufacturer's list as per specification.	RFT	29		
8	Flexible duct Connector complete with all accessories of any of the brand as mentioned in approved manufacturer's list as per specification.	LOT	2		
9	Supply, Installation, testing and Commissioning of DC Inverter based Split units (Wall mounted) Air Conditioning Units, including unloading, Lifting, Placing and Supply , installation , testing and comissioning of the supporting arrangements for outdoor units in the external area with proper coating of paints to prevent rusting due enviroment conditions fixing as per site including Gas charging (if required) complete in all respect				
a	1.0 TR - WALL MOUNTED UNIT	Nos	4		
10	Supply and Installation of Gas & Liquid Copper Piping & Fittings, L type on site tested at 250 PSI, Complete with Closed Cell Foam insulation, and wrapping with fiber glass 16kg/m3 with jacketing control wiring in pvc conduit (Size and no. of cables as per vendor recomendation) between Indoor Units & Outdoor Unit, including supporting arragemnts as per site and all other related material for installation purpose complete in all respect as specified as per site requirement.				
a	Ø 1/4" & Ø 1/2"	Rm	25		
11	Supply, installation, Testing and commissioning of uPVC including all accessories as per site condition.				
a	25mm dia uPVC conduit.	Rm	50		
TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM					

**LIST OF APPROVED MANUFACTURERS
KARACHI - INSTITUTE OF BUSINESS ADMINISTRATION
DECEMBER 2021**

1. **PVC CONDUITS & ACCESSORIES**

 - Dadex.
 - Civic
 - jeddah
or Equivalent

2. **POWER AND GENERAL WIRING CABLES**

 - Pakistan Cables.
 - Pioneer Cables
 - Fast Cables
Or Equivalent

3. **SWITCH, SOCKET & DIMMERS**

 - Clipsal
 - Orange Electric
Or Equivalent

4. **EARTHING MATERIAL**

 - FURSE – UK
 - ERICO – USA
 - DEHN
Or Equivalent

5. **CABLE TRAYS / LADDER
& ACCESSORIES**

 - Ezzi Engineering.
 - Electroline.
Or Equivalent

6. **INTERNAL & EXTERNAL LIGHTING
FIXTURE / LAMPS & ACCESSORIES**

 - Philips
 - Pierlite
 - EAE
Or Equivalent

7. **FIRE ALARM SYSTEM**

 - HoneyWell
 - Schneider
 - Zeta
Or Equivalent

8. **LV CIRCUIT BREAKERS**

 - Schneider Electric – Europe
 - Terasaki - Japan
 - ABB – Germany
Or Equivalent

**LIST OF APPROVED MANUFACTURERS
KARACHI - INSTITUTE OF BUSINESS ADMINISTRATION
DECEMBER 2021**

9. **SWITCHGEAR MANUFACTURER** _____
- HRA Switchgear
 - Hussain & Co.
 - A to Zee Engineering
 - Or Equivalent
10. **LV CABLE JOINTING /
TERMINATION KITS** _____
- 3M Pakistan (Pvt.) Ltd.
 - Raychem.
 - Or Equivalent
11. **DATA SYSTEM** _____
- 3M Pakistan
 - Schneider
 - Or Equivalent
12. **MS BACK BOXES** _____
- Hussain & Co.
 - Libra Engineering
 - Or Equivalent
13. **UN-INTERRUPTED POWER SUPPLY** _____
- Eaton
 - APC Symmetra
 - ABB
 - Or Equivalent
14. **PAINT** _____
- Berger
 - ICI
 - Or Equivalent
15. **GATE VALVE, GLOBE VALVE, STRAINER, CHECK VALVE** _____
- Oven trop. KITZ (GERMANY, ITALY, JAPAN)
 - Hattersley, KITZ (UK, ITALY, JAPAN)
16. **THERMOMETERS PRESSURE GAGES** _____
- Trerice
 - Weksler
 - Weiss
17. **CONCRETE FASTERNERS, SUPPORTS, ANCHORS ETC** _____
- Hilti

**LIST OF APPROVED MANUFACTURERS
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DECEMBER 2021**

- Fischer
18. **MOTORS** _____
- Siemens
 - Imported European
19. **FANS** _____
- Pak Fans
 - GFC
 - Royal Fan
20. **PIPING POLYPROPYLENE RANDOM** _____
- Dadex
 - Pak – Arab
21. **G.I PIPE and Steel conduits** _____
- IIL
 - Steelex
22. **Upvc PIPE** _____
- Dadex
 - Pak – Arab
23. **FIBRE GLASS PIPE INSULATION** _____
- Ductmate – USA
Or Equivalent
24. **CLOSED CELL FOAM INSULATION** _____
- Armaflex – USA
 - Aeroflex – Thailand
25. **AIR DEVICES** _____
- Thermec
 - Shan Industries
 - Mehran
 - Steel Craft
26. **PUMP CONTROLLER AND LEVEL INDICATOR** _____
- Johnson – USA / EUROPE
 - Honeywell – USA / EUROPE
 - Schneider – USA / EUROPE
27. **PUMPS** _____

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- KSB - GERMANY
- Grundfos – GERMAY / DENMARK
- Lowara - ITALY

28. **HOT WATER STORAGE HEATER**

- Grand Impex

29. **FIXTURES**

- Toto – Japan

30. **FITTINGS**

- Zilver – Germany

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