

SCHEDULE – A TO BID

SCOPE OF WORK
Players Facility & Administrative Offices
at IBA Main Campus

B.O.Q Item	Description	Unit	Quantity	Rate	Amount
SCHEDULE RATE ITEMS BASED ON CSR (SINDH) 2024					
PLAYERS FACILITY & ADMIN OFFICES					
1	Demolition of existing structure				
(a)	Dismantling cement block masonry Refer Item No. 14 Page no. 19 Chapter No. 2	P.Cft	6,000.00	50.70	304,200.00
(b)	Dismantling cement concrete plain 1:3:6. Refer Item No. 19(c) Page no. 20 Chapter No. 2	P.Cft	4,000.00	87.14	348,560.00
2	Excavation				
a	Excavation in foundation of Building Bridges and other structures including dagbelling dressing, refilling around structure with excavated earth Watering and ramming lead upto 5 ft. , lead upto one chain (30 meter) and lift upto 5 ft. (1.5 meter). (c) In hard soil or soft murum. Refer Item No. 18 Page no. 17 Chapter No. 1	P.Cft	8,206.18	11.88	97,489.48
b	Excavation in rock, dressed to designed section, grades and profiles, excavated material disposed off within 100 ft. (30 meter) and lift upto 5 ft. (a)Soft rock, slate, Schistor laterite work with pick and crowbar. Refer Item No. 6(a) Page no. 15 Chapter No. 1	P.Cft	363.78	26.14	9,509.34
3	Backfilling				
	Filling, watering and ramming earth in under floors with surplus earth from foundation etc. lead upto one chain and lift upto 5 feet with Surplus earth from foundation etc. Refer Item No. 21 Page no. 17 Chapter No. 1	P.Cft	5,664.01	6.50	36,816.04
4	Lean Concrete				

	Cement concrete plain including placing compacting, finishing and curing, complete (including screening and washing at stone aggregate without shuttering. (i) Ratio. 1: 4 :8 Refer Item No. 5(i) Page no. 24 Chapter No. 4	P.cft	643.94	348.83	224,626.10
	Add Shuttering				
	Erection and removal of centering for R.C.C or plain cement concrete works of Deodar wood (2nd-Class)Partial Wood(b) Vertical floor Refer Item No. 19(b) Page no. 27 Chapter No. 4	p.sft	550.00	106.48	58,563.88
5	Termite Control Treatment				
	Providing Anti -termite treatment by spraying /sprinkling/spreading Neptachlar 0.5% Emulsion as an overall pre -construction treatment in slab type construction under the slab and along attached perches or entrances etc, complete as per directions of Engineer Incharge. Item no. 92(A), Page No. 84 chapter no. 18	P.Sft	5,267.42	11.46	60,364.58
6	Concrete (1:3:6)				
	Cement concrete plain including placing compacting, finishing and curing, complete (including screening and washing at stone aggregate without shuttering. (h) Ratio. 1:3 :6 Refer Item No. 5 Page no. 24 Chapter No. 4				
a	Subflooring	P.cft	3,962.00	388.67	1,539,910.54
b	SITU	P.cft	715.66	388.67	278,155.36
c	Plinth protection	P.cft	357.83	388.67	139,079.07
7	Steel Reinforcement				

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	Bitumen coating to plastered or cement concrete surface. Refer Item No. 9 Page No. 63 chapter no. 11	P.Sft	7,700.51	21.83	168,102.19
10	Plaster				
	Internal Plaster(1:4)				
a	Cement plaster 1:4 upto 12' height. (b) 1/2" thick. Refer Item No. 11(b) Page No. 52 chapter no. 9	P.Sft	35,189.09	39.83	1,401,581.64
11	Internal Paint				
	Preparing the surface and painting with plasticemulsion paint of approved make I/c rubbing the surface with sand Paper, filling the voids with chalk/plaster of paris and then painting etc. complete. A Three Coat. Refer Item No. 40(A) Page No. 54 chapter no. 9	P.Sft	35,189.09	38.71	1,362,169.85
12	Glazed Ceramic Wall Tiles (12"x24")				
	Laying floor of approved with glazed tiles 1/4" thick dado of approved color & size jointing in white cement and laid over 1:2 cement sand mortar 3/4" thick including grouting with matching color and finishing. Refer Item No. 24 Page No. 45 Chapter No. 8	P.Sft	2,800.00	389.36	1,090,208.00
13	Anti Skid Full Body Porcelain Tiles(18"x18")				
	Providing & Laying Full Body Porcelain Tile in Flooring or Facing of Approved Design Set in Gry Cement Motor 1:2 or of 3/4" Thickinss I/C Washing & Joints With White Cement Slurry Using Colour Pigment for matching complete as per Specification. (b) 18"x18"x5/16" flooring Refer Item No.(b) Page No. 46 Chapter No. 8	P.Sft	3,041.04	373.84	1,136,862.39
14	Full Matt Body Porcelain Tiles(24"x24")				

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	Fabrication of deformed steel reinforcement for cement concrete including cutting, bending, laying in position, making joints and fastenings including cost of binding wire (also includes removal of rust from bars.) a) Deformed bar i) Grade-60 Refer Item no. 8(a)(i) Page No. 26 Chapter No. 4 1 ton=19.68 cwt Note: Samples of steel shall be tested from every lot of steel delivered at site from approved laboratory.	P.Cwt	876.33	18,934.02	16,592,441.52
8	Structural Concrete				
	Placing, compacting, finishing and curing of concrete using ordinary Portland Cement/ Sulphate resistant cement / Slag cement as may be required: including screening, washing of aggregates and mixing of constituents using batching plant, transportation by transit mixer, pouring with pump in the required portion to achieve a cylindrical strength in the field as per ACI 214, with the specified consistency i/c the cost of shuttering, compaction with compactor, excluding the cost of admixture, as approved and directed by the Engineer Incharge. Refer Chapter 18 Page no. 85 Item No. 98 Note: Malaysian ply shall be use for all structural concrete and transit mixer shall be used for all structural concrete.				
(i)	3000 psi				
a	Footings/Foundations	P.Cft	2,021.68	805.57	1,628,606.77
(ii)	4000 psi				
a	Columns	P.Cft	2,405.67	900.31	2,165,847.43
b	Plinth beams	P.Cft	664.10	900.31	597,897.63
c	Floor Beams	P.Cft	1,328.49	900.31	1,196,053.29
d	Slab and Projections	P.Cft	5,283.07	900.31	4,756,397.74
e	Stairs and stair wall	P.Cft	1,024.00	900.31	921,917.44
f	Lintels	P.Cft	174.17	900.31	156,803.99
g	Parapet Walls	P.Cft	536.75	900.31	483,241.35
h	OHWT, UGWT	P.Cft	713.50	900.31	642,371.19
9	Bitumen				

	Providing & Laying Full Body Porcelain Tile in Flooring or Facing of Approved Design Set in Gry Cement Motor 1:2 or of 3/4" Thickness I/C Washing & Joints With White Cement Slurry Using Colour Pigment for matching complete As per Specification. 24"x24"x5/16" flooring Refer Item No.(ix) Page No. 46 Chapter No. 8	P.Sft	3,251.28	439.57	1,429,162.95
15	Glazed Ceramic Tiles (24"x48")				
	Laying floors of approved coloured glazed tiles 1/4" thick floor of approved color & size jointing in white cement and laid over 1:2 cement sand mortar 3/4" thick including grouting with matching color and finishing Refer Item No.25 Page No. 46 Chapter No. 8	P.Sft	648.50	325.40	211,021.90
16	Pavers (Natural Colour)				
	Providing & fixing cement paving blocks flooring having size of 197 x 97 x 80 (mm) of city /quddra / cobble shape with natural colours, having strength b/w 5000 psi to 8500 psi i/c filling the joints with hill sand over a bed of 2" thick hill sand or stone dust and laying and compacting in specified manner/ pattern and design etc complete.(PSI 5000 to 8500e /Tameer Works or Equivalent manufacturer Refer Item no. 69 Page No. 50 Chapter No. 8	P.Sft	486.00	227.51	110,569.86
17	Kerb Block				
	Providing & fixing Precast Edge Block 3750 PSI Industrial Made Size 6 inches thickx12 inches longx18 inches high including the cost of Cartage, excavation, formwork for haunching, 1450 PSI lean concrete, 2250 PSI concrete for haunching, 1:4 cement sand mortar. Refer Item no. 14 Page No. 221 Chapter No. 12 (Scedule of Rates for Highway Works)	P.rft	447.83	678.38	303,801.15
	TOTAL AMOUNT OF SCHEDULED BASED ITEMS (CIVIL WORKS) EXCLUDING PREMIUM/REBATE			PKR	39,452,332.66
	ADD PREMIUM / REBATE (5.5)%			PKR	- 2,169,878.3
	TOTAL AMOUNT OF SCHEDULED BASED ITEMS (CIVIL WORKS) INCLUDING PREMIUM/REBATE			PKR	37,282,454

CIVIL WORKS (BASED ON PREVAILING MARKET RATES)

1	Dismantling of RCC Structure				
	Dismantling and breaking of existing Reinforced Cement Concrete (RCC) work of any description, thickness, and at any level, including cutting and separation of reinforcement steel, by approved manual and/or mechanical means, complete with protection of adjacent structures and services, provision of all safety measures, stacking of recoverable steel at designated locations, and cleaning of the dismantled area, as directed by the Engineer.	cft	900.00	23/-	20700/-
2	Debris Disposal				
	Loading, handling, transportation, and disposal of construction debris, including concrete rubble, dismantled material, and other waste generated from dismantling works, from the site to a dumping location, with a lead up to 6 miles, complete with unloading, spreading if required, and cleaning of the site, as directed by the Engineer-in-Charge. Note: Constructor shall disposed off all debris outside Karachi University premises.	cft	10,600.00	20/-	212000/-
3	Stone Soling				
	Providing and laying stone soling under floors, pavements, or foundations using hard broken stones of approved quality, hand-packed on edge, tightly compacted, including filling interstices with stone spalls, watering, ramming, and consolidation to form a firm, even surface, with finished thickness, complete in all respects, as directed by the Engineer-in-Charge.	cft	3,297.60	90/-	296784/-
4	HY-GRIP Membrane Over Footing				
	Providing and applying two layers of self-adhesive waterproofing membrane, Hy-Grip P2000-SBS or approved equivalent, each layer of 2.0 mm nominal thickness, over RCC footings, including surface preparation, cleaning and drying, application of compatible primer, laying of membrane with required side and end overlaps, proper pressing and sealing of laps, and treatment of joints, corners, and edges, complete in all	sft	2,560.11	56/-	143366.16/-

d	Supply, Installation, Testing & Commissioning (SITC) of DB-UPS with wall mounted, Locally fabricated in 16 guage, Colour Code:RAL7035, MS Powder Coated, Brass Glands, Lugs, Phase indication lights, Digital Energy Analyzer, Tin Coated Copper Busbar for Neutral & Earth with channel duct for internal wiring. Glands at Bottom In & Out, CT's, with all related accessories with dust proof enclosure IP42. Digital Energy Analyzer: Tense/Vteke/Multispan CT's: Ficco/Saci MCCB Make: Schnieder/ABB/Terasaki MCB Make: Schnieder/ABB/Terasaki Busbar Make: Copper Tin Coatted Lauvata	Nos.	1.00	7900/-	79000/-
4	Following sizes of PVC conduits complete in all respect				
a	50 mm dia. Make: Dadex/Jeddah/Pak Arab/Steelex	Rm	50.00	705/-	35250/-
b	38 mm dia. Make: Dadex/Jeddah/Pak Arab/Steelex	Rm	60.00	140/-	8400/-
c	32 mm dia. Make: Dadex/Jeddah/Pak Arab/Steelex	Rm	40.00	100/-	4000/-
d	25 mm dia. Make: Dadex/Jeddah/Pak Arab/Steelex	Rm	30.00	75/-	2250/-
5	Following sizes of Class- D PVC conduits complete in all respect				
a	75 mm dia. Make: Dadex/Jeddah/Pak Arab/Steelex	Rm	5.00	1200/-	6000/-
b	50 mm dia. Make: Dadex/Jeddah/Pak Arab/Steelex	Rm	5.00	800/-	4000/-
6	Following sizes of Core Cutting complete in all respect.				
a	Core Cutting 4" Dia	Nos.	1.00	500/-	500/-
b	Core Cutting 6" Dia	Nos.	3.00	500/-	1500/-
TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM			PKR	78,89,530/-	

SECTION- G:

**SUPPLY, INSTALLATION, TESTING & COMMISSIONING
WIRING & ACCESSORIES FOR FIRE ALARM SYSTEM
Make - Ref. List of approved Manufacturers**

a	Supply, Installation, Testing & Commissioning (SITC) of SMDB with wall mounted/floor standing, Locally fabricated in 16 guage, Colour Code:RAL7035, MS Powder Coated, Brass Glands, Lugs, Phase indication lights, Digital Energy Analyzer, Tin Coated Copper Busbar for Neutral & Earth with channel duct for internal wiring. Glands at Bottom In & Out, CT's, with all related accessories with dust proof enclosure IP42. Digital Energy Analyzer: Tense/Vteke/Multispan CT's: Ficco/Saci MCCB Make: Schnieder/ABB/Terasaki MCB Make: Schnieder/ABB/Terasaki Busbar Make: Tin Coatted Copper Lauvata	Nos.	1.00	329000/-	329000/-
b	Supply, Installation, Testing & Commissioning (SITC) of GF-DB01 with concealed wall mounted, Locally fabricated in 16 guage, Colour Code:RAL7035, MS Powder Coated, Brass Glands, Lugs, Phase indication lights, Digital Energy Analyzer, Tin Coated Copper Busbar for Neutral & Earth with channel duct for internal wiring. Glands at Bottom In & Out, CT's, with all related accessories with dust proof enclosure IP42. Digital Energy Analyzer: Tense/Vteke/Multispan CT's: Ficco/Saci or Equivalent MCCB Make: Schnieder/ABB/Terasaki MCB Make: Schnieder/ABB/Terasaki Busbar Make: Copper Tin Coatted Lauvata	Nos.	1.00	126000/-	126000/-

f	Supply & Fixing Fire Extinguisher Of Dry Chemical Powder 6Kg Fire Extinguisher With Strong Bracket Complete In all respect.	Nos.	6.00	15000/-	90,000/-
TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM			PKR	547000/-	
SECTION- H: SUPPLY, INSTALLATION, TESTING & COMMISSIONING EARTHING SYSTEM Make - Ref. List of approved Manufacturers					
a	Supply, Installation, testing and commissioning of Earth Electrodes (Rod Type) for Earthing System with 25mm dia 3 meters (10feet) long driven Pure copper Solid rod, pure copper busbar 50 mm (width) x 6 mm (thickness). complete with clamps lugs, washer/bolts, connected with 1x70mmsq bare copper 50mm diaG.I pipe/UPVC pipe class 'D/E' up to Earth chamber, job includes copper conductor to earth electrode rod at one end and provision/fixing of cable lugs at other end, including all accessories and RCC inspection chamber, heavy duty G.I. Cover having earth symbol, etc as per the specifications and drawings and to the entire satisfaction and approval of the IBA Engineer.Minimum depth of the earth pit should be 60ft, Earthing result should be less than 1 Ohm.	Nos	1.00	75200/-	75200/-
TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM			PKR	75200/-	
SECTION- I: SUPPLY, INSTALLATION, TESTING & COMMISSIONING UNINTERRUPTIBLE POWER SUPPLY (UPS) Make - Ref. List of approved Manufacturers					

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	Constructing Manhole or inspection chamber internal size 2'-0" x 2'-0" x 3'-6" depth with walls of block masonry (6 inch) with cement sand mortar and 1:3 CSM plaster, 1/2" TH. Inside and 1" thick outside over 3 inch lean and 3 inch stone soling and channel including fixing C.I. Man hole cover Heavy Duty of 1-1/2" x 1-1/2" of 1.75 CWT (88.9 KG) embedded in plain CC complete as per standard specifications and as directed by engineer	No.	3.00	17000/-	51000/-
15	Indian Water Closet				
	Providing and fixing Porta Squatting Pan (Orissa WC) Model HD77, floor-mounted vitreous china sanitary ware, complete with P/S trap, all necessary fittings, connections to soil line, and making good. Including supply and installation of Porta Plastic Flush Tank Model HDPT710, wall-hung type, made of high-quality durable plastic with push button operation, complete with brackets, fittings, flush pipe, connections, testing, and all accessories, complete in all respects as per manufacturer's specifications and Engineer's approval.	No.	2.00	7000/-	14000/-
TOTAL AMOUNT OF B.O.Q. ITEMS (PLUMBING WORKS)				PKR	1786441/-
ELECTRICAL WORKS (BASED ON PREVAILING MARKET RATES)					

SECTION-A
SUPPLY, INSTALLATION, TESTING & COMMISSIONING
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 Cu/PVC wires in 25 mm dia PVC conduit complete in all respect. Make: Pakistan Cable/Fast Cable	Nos	45.00	2750/-	123750/-
2	Wiring from switch to first light point with 2 x 1C - 1.5 sq.mm + 1 x 1.5 sq.mm Cu/PVC wires in 25 mm dia PVC conduit complete in all respect. Make: Pakistan Cable/Fast Cable	Nos	160.00	2000/-	320,000/-
3	Same as above from point to point. Make: Pakistan Cable/Fast Cable	Nos	180.00	1034/-	186120/-

3	Following sizes of Core Cutting complete in all respect.				
a	Core Cutting 3" Dia	Nos	5.00	1128/-	5640/-
4	Supply, installation, Testing and commissioning of uPVC including all accessories as per site condition.				
a	32mm dia uPVC conduit.	Rm	40.00	235/-	9400/-
a	25mm dia uPVC conduit.	Rm	75.00	156/-	11250/-
b	20mm dia uPVC Conduit	Rm	20.00	100/-	2000/-
TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM			PKR	306260/-	

SECTION- F :**SUPPLY, INSTALLATION, TESTING & COMMISSIONING DISTRIBUTION BOARDS, CABLES, CONDUITS & CABLE TRAY**

Make - Ref. List of approved Manufacturers

1	Following size multicore Cu/PVC/PVC, including lugs, glands, termination kits, etc. complete in all respect as shown on drawing.				
a	1 x 4C-16 Sqmm Cu/PVC/PVC + 1x1C-10Sq.mm Cu./PVC as ECC from SMDB to GF-DB01 in 50mm dia PVC conduit with complete installation Make: Pakistan Cable/Fast Cable	Rm	25.00	4512/-	112800/-
b	1 x 4C-16 Sqmm Cu/PVC/PVC + 1x1C-10Sq.mm Cu./PVC as ECC from SMDB to GF-DB02 in 50mm dia PVC conduit with complete installation Make: Pakistan Cable/Fast Cable	Rm	40.00	4512/-	180480/-
c	1 x 4C-25 Sqmm Cu/PVC/PVC + 1x1C-10Sq.mm Cu./PVC as ECC from FF-DB01 to SMDB in 50mm dia PVC conduit with complete installation Make: Pakistan Cable/Fast Cable	Rm	35.00	6110/-	213850/-
d	1 x 4C-120 Sqmm Cu/PVC/PVC from SMDB to SS1 LV Room in 100mm dia Class-D conduit with complete installation Make: Pakistan Cable/Fast Cable	Rm	250.00	24000/-	6000000/-

j	Floor mount concealed weather proof IP65 up light LED- 3000k- min 5Watt Make Philips/Osram/Unilux/Coarts/Electricore	Nos	10.00	1730/-	17300/-
2	Following Fans with complete accessories and hanging arrangements etc. complete in all respect.				
a	600mmx600mm Inverter Ceiling Fan Make: Voldam/Royal/GFC	Nos	37.00	10800/-	399600/-
b	Exhaust Fan 8" Make: Voldam/Royal/GFC	Nos	8.00	4230/-	33840/-
c	Wall mounted Automatic Hand Dryer Make: Philips/Kenwood/Siemens	Nos	4.00	18800/-	75200/-
TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM			PKR	117 6055/-	

SECTION - D:
SUPPLY, INSTALLATION, TESTING & COMMISSIONING
WIRING & ACCESSORIES FOR DATA & WiFi system
Make - Ref. List of approved Manufacturers

	Supply, Installation, Testing and Commissioning of following including Cat6, UTP Cable, Channel and Conceal PVC Pipe laying and installation all related items, Rack Harnessing, End to End ribbon tagging With Fluke Test report. complete in all respects as per drawings / specs.				
1	Corning Or D-link Cat 6, UTP, PVC, 4 Pairs, 305 Meter Coil & 1000 RFT Box	Rm	4,200.00	179/-	7518000/-
2	Corning K6 I/O Modular Jack Cat6	Nos	70.00	940/-	65800/-
3	Corning Single shutter Phase plate with Metal Back Boxes incl. Fitting Accessories	Nos	70.00	1410/-	98700/-
4	Corning - Patch Cord Cat 6 UTP Size 1m	Nos	70.00	1269/-	88830/-
5	Corning 1U Patch Panel 24 port Loaded	Nos	3.00	28200/-	84600/-
6	Corning - Patch Cord Cat 6 UTP Size 3m	Nos	70.00	1645/-	115150/-
7	Corning Cable Manager Black Front 19" Plastic Body	Nos	3.00	6110/-	18330/-
8	AI-Power Distribution Unit -1U Rack Mount - 8 Port Universal	Nos	1.00	6110/-	6110/-
9	1U Single Mode LC Rack Mount Sliding Fiber Optic ODF Patch Panel 12 Ports (Loaded)	Nos	1.00	17860/-	17860/-

1(b)	Following Switches etc. complete in all respect.				
a	13A International Switch socket outlet Make: Schnieder/Clipsal	Nos	60.00	1880/-	112800/-
b	13A Simplex type - Flat Pin Make: Schnieder/Clipsal	Nos	4.00	1410/-	5640/-
c	13A Duplex type - Flat Pin Make: Schnieder/Clipsal	Nos	24.00	1880/-	45120/-
d	15A/20A 3Pin Switch Socket for A.C Make: Schnieder/Clipsal	Nos	5.00	2068/-	10340/-
e	13A Multi Switch socket outlet Weatherproof Make: Schnieder/Clipsal/Clopal	Nos	6.00	1880/-	11280/-
f	3 Pole Weatherproof 32A/35A Isolator switch for Floor Stand A.C Make: Schnieder/Clipsal	Nos	5.00	2068/-	14100/-
g	5-Pin Industrial Socket with male & female connector Make: Schnieder/Clipsal	Nos	2.00	1880/-	3760/-
1(c)	Following sizes Back box for switches, sockets, Lights & Fans				
a	3x3 MS Back Box Make: Local	Nos	200.00	235/-	47000/-
b	3x6 MS Back Box Make: Local	Nos	24.00	282/-	6768/-
c	3" Circular PVC Light Box Make: Jeddah/Dadex/Pak Arab/Steelex	Nos	190.00	113/-	21470/-
d	3" Circular PVC Fan Box Make: Jeddah/Dadex/Pak Arab/Steelex	Nos	38.00	113/-	4294/-
e	3" Circular PVC smoke detector Box Make: Jeddah/Dadex/Pak Arab/Steelex	Nos	30.00	113/-	3390/-
f	3" Circular PVC Network Box Make: Jeddah/Dadex/Pak Arab/Steelex	Nos	30.00	113/-	3390/-
g	4-way PVC Junction Box Make: Jeddah/Dadex/Pak Arab/Steelex	Nos	24.00	47/-	1128/-
1(d)	Pull box as per drawing/requirement with M.S powder coated paint in 16 gauge (With Cover)				
a	Floor Box (12" x 12") Make: Davis/Clopal	Nos	12.00	8930/-	107160/-
	TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM		PKR	521344.00/-	
SECTION-C					
SUPPLY, INSTALLATION, TESTING & COMMISSIONING					

	Supply and fix in position UPVC Floor Trap of Master, Dadex and SS Floor Waste top tile & strainer of Faisal Deluxe Range (6x6) - Nikasi or equivalent, floor trap shall be connected to a waste stack with bend, complete in all respect as per specification.	No.	8.00	6000/-	48000/-
8	Electric Geyser				
	Providing and installation of Instant Electric Geyser of NASGAS 30 Gallon brand (Model: DEG-3030) or equivalent. Mounted at required height including all kitz handle valve, union on both sides, fixing accessories etc. complete in all respect and as directed by Engineer	No.	2.00	50,000/-	100,000/-
9	Facility Sanitary Sewerage Drainage Pipe				
	Supply and lay UPVC pipes of Steelex/Pak Arab (Schedule-40), Nikasi for soil, waste and vent system including specials such as tees, bends, plugs, reducers, etc. with solvent cement jointing / rubber ring push fit jointing method including cutting holes in masonry or concrete in walls, floor and in slab, making good the same, complete in all respect as per drawing, specification and as directed by the Engineer.				
a	6 inch Diameter	Rft	105.00	625/-	65625/-
b	4 inch Diameter	Rft	255.00	340/-	86700/-
c	2 inch Diameter	Rft	48.00	170/-	8160/-
10	Core Cutting				
	Providing and making core through reinforced concrete such as plinth beam, slabs etc. using approved mechanical core cutting machine, including cutting of concrete and reinforcement (if encountered), removal and disposal of core material/slurry, making good the disturbed surfaces, reinstatement of structural integrity by filling the opening around service sleeve with approved non-shrink grout, curing, and all incidental works complete in all respects as directed by the Engineer-in-Charge.				

	Supply and lay PPRC pipes (PN20) of PipePlus, Minhas, IIL or approved equivalent for hot and cold water distribution at any height system including specials such as tees, bends, elbows, unions, plugs, reducers etc. with heat fusion jointing method including cutting holes in masonry or concrete in wall, floor and slab and chiseling wall and floor and making good the same, fastening it with hooks, complete in all respect as per drawing, specification and as directed by the Engineer. All PPRC pipes are tested using pressure guage at the pressure instructed by Engineer Incharge.				
	Nominal internal diameter shall be as follows:				
a	25mm (1") Dia	Rft	506.00	226/-	114 356/-
b	50mm (2") Dia	Rft	460.00	340/-	156 400/-
2	PPRC Gate Valve (PN25)				
	Supply and install in place gate valve (PN25) of Minhas, Pipe Plus or IIL for water system as specified, approved by the Engineer, complete in all respect as per specifications.				
	Nominal internal diameter shall be as follows:				
a	25mm (1") Dia	No.	2.00	1700/-	3400/-
b	50mm (2") Dia	No.	6.00	2800/-	16800/-
3	Float Valve (PN25)				
	Providing and fixing heavy-duty float valve of approved make, brass or stainless steel body, of required size, complete with float ball and arm, installed on water supply line using PPRC / HDPE fittings and connectors, for automatic control of water level, including all materials, fittings, labor, tools, testing, and commissioning, complete in all respects as per specifications and Engineer's instructions.				
	Nominal internal diameter shall be as follows:				

-	Providing and fixing matt finish non-skid full body porcelain tiles, minimum 10-12 mm thick, of approved make and shade, cut and fixed to stair landing size 4'-10" x 8'-8", laid over prepared concrete stair landing using approved polymer-modified tile adhesive (tile bond) with full bedding. The item includes cutting to size, alignment, leveling, wastage, grouting of joints with approved color-matched grout, surface cleaning, and complete in all respects as per drawings, specifications, and Engineer's instructions.	Sft	80.00	390/-	31200/-
d	Skirting				
	Providing and fixing matt finish non-skid full body porcelain tiles, minimum 10-12 mm thick, of approved make and shade, cut and fixed to stair wall size 1'-0" x 4", laid over prepared concrete stair wall using approved polymer-modified tile adhesive (tile bond) with full bedding. The item includes cutting to size, alignment, leveling, wastage, grouting of joints with approved color-matched grout, surface cleaning, and complete in all respects as per drawings, specifications, and Engineer's instructions.	Sft	150.00	340/-	51000/-
19	Granite Top				
	Providing and fixing 1 inch thick granite top of approved colour, complete with grinding, polishing, and 3/4 inch chamfered nosing. The work shall include provision of MS L-shaped angle brackets (L 2"x2"x1/4") at 4 ft intervals or as required. The granite shall be fixed over a 3/4 inch thick 1:4 cement sand mortar base or seated into a 2 inch deep groove in block masonry. All exposed edges and joints shall be sealed with approved filler material to prevent seepage. The item shall be complete in all respects as per approved drawings and specifications.	Sft	79.00	1100/-	864900/-
20	Gypsum False Ceiling				

	Supplying and fixing factory-made PVC panel door shutter of approved make and design, including PVC frame/chowkhat, panels, and necessary hardware and accessories such as hinges, handles, locking arrangement, screws, and fittings. The door shall be fixed in proper alignment and level, complete in all respects, as per drawings and Engineer-in-Charge's instructions.				
c	D-3 (Size: 3'-6" x 7'-0")	P.sft	245.00	1350/-	330750/-
d	D-4 (Size: 2'-3" x 7'-0")	P.sft	126.00	1350/-	170100/-
15	Mirror at Wash Basin area				
	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 30x6mm 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	112.13	600/-	67278/-
16	Waterproofing				
	Providing and applying elastomeric cementitious waterproofing and protective coating using two-component acrylic polymer modified cementitious system such as Sika® (e.g., SikaTop® Seal-107 or approved equivalent), conforming to relevant ASTM standards (ASTM D412 & ASTM D4541). The waterproofing shall be applied in two coats to achieve a total dry film thickness of 1.25–2.00 mm, including surface preparation, mixing, application by experienced and approved applicator, curing and protection, all as per manufacturer's recommendations and project specifications. The item shall also include flood testing for a minimum period of 24–72 hours (as specified) after completion and curing of the waterproofing system, including making good any defects/leakages observed and retesting until satisfactory results are achieved, complete in all respects.	sft	5,601.32	135/-	756178.20/-
17	Manholes				

-	Supplying, fabricating, and installing a window as per approved drawings, with brushed/anodized aluminum sections along the perimeter. The window shall be divided into two equal parts, comprising one fixed sash and one sliding sash. The fixed and sliding sashes shall be fitted with tinted glass 5 mm thick. Additionally, a fly net with frame shall be provided on the internal side of the window, along with aluminum beading all around the window perimeter internally. The sliding sash shall include locks and all necessary accessories. Fixing shall be done using EPDM/neoprene gaskets, glazing beads, and sealant. The work includes fabrication of aluminum and MS sections, installation, proper alignment, leveling, sealing, and ensuring a rigid, watertight, and aesthetically finished assembly, complete as directed by the Engineer.				
a	W-1 (Size: 10'-0" x 8'-3")	P.sft	165.00	1500/-	247500/-
b	W-2 (Size: 8'-0" x 8'-3")	P.sft	132.00	1500/-	198000/-
c	W-3 (Size: 8'-0" x 6'-6")	P.sft	52.00	1500/-	78000/-
d	W-4 (Size: 6'-6" x 8'-3")	P.sft	53.63	1500/-	80445/-
e	W-5 (Size: 6'-0" x 6'-6")	P.sft	78.00	1500/-	117000/-
f	W-6 (Size: 5'-5" x 6'-6")	P.sft	143.00	1500/-	214560/-
12	Doors with Frame (Aluminium Glazing)				

	Provide and apply Architectural fairface textured coating (CemTrox or approved equivalent) one coat of primer/surfacer, two coats of base material of approved shade & texture and one coat of transparent hardener to external plastered surfaces including scaffolding etc. complete in all respect as per manufacture's specifications.	P.Sft	11,271.75	50/-	563582.50/-
9	Block Masonry				
	Providing and laying Cement Concrete solid Machine made block of compressive Strength 1000 PSI at 28 days masonry wall 6" and below in thickness set in 1:6 CSM CEMENT SAND MORTAR in ground floor Super Structure including raking out joints, curing, providing wire mesh over electric and plumbing conduiting at masonry joints with beams, columns and 16" long steel(3/8") wall ties at every third course of block masonry with 4" within columns with the holes filled with mixture of SBR and cement concrete etc. complete. Note : Sample of blocks shall be tested from approved laboratory				
a	6" thick	P.cft	6,101.02	327/-	1995033.54
b	4" thick	P.cft	527.95	327/-	172639.65
10	Parapet Coping(Silbatta)				
	Providing and fixing parapet wall coping silbatta (1" thick, 8" wide) laid in cement concrete (1:3), laid to proper line and level with required slope and drip course to prevent water ingress, including finishing, curing, and all materials and labor, complete in all respects as per drawings and specifications.	P.rft	238.64	340/-	81137.60/-
11	Aluminium Windows & Ventilator				
(i)	Fixed Windows With MS Frames				

	respects, as directed by the Engineer-in-Charge.				
5	DPC Membrane				
	Providing and laying Damp Proof Course (DPC) membrane at plinth level or as shown on drawings, using approved bituminous DPC membrane of minimum 1.5 mm thickness, such as Roofgrip DPC (Roofline), or approved equivalent, to prevent rising dampness through masonry. The work shall include surface preparation, laying of membrane with minimum 75–100 mm overlaps, sealing of joints, ensuring continuity at corners and junctions, and protection during subsequent works, complete in all respects, as directed by the Engineer-in-Charge.	sft	447.14	115/-	51421.10/-
6	Roof Screeding(3" avg)				
	Providing and laying 3" (75 mm) thick concrete screeding of mix 1:2:4 (Cement : Sand : Coarse Aggregate by volume) over a prepared surface, including approved fibre mesh (polypropylene or glass) uniformly throughout the mix to control cracking. The work shall include surface cleaning and dampening, accurate mixing and uniform distribution of materials and fibre mesh, placement, compaction, leveling, finishing with trowel/float, and curing, along with all labor, tools, equipment, water, and incidentals, as directed by the Engineer-in-Charge.	sft	3,962.00	115/-	455630/-
7	External Plaster (1:3)				
	1/2 inch thick 1:3 cement-sand plaster on external walls up to 40 ft height, including surface preparation, scaffolding, curing, smooth trowel finish, and all materials, labor, tools, and incidental charges complete.	P.Sft	11,271.75	80/-	901740/-
8	External Texture Paint				

	Supplying, fabricating, and installing a fixed glass window as per drawings, with brushed/anodized aluminum sections along the perimeter and vertical aluminum sections, combined with MS frames horizontally. The window shall be fitted with tinted glass 5 mm thick, fixed using EPDM/neoprene gaskets, glazing beads, sealant, and all necessary accessories. The work includes fabrication of aluminum and MS sections, installation, proper alignment, leveling, sealing, and ensuring a rigid, watertight, and aesthetically finished assembly, complete as directed by the Engineer.				
a	CW1 (Size: 18'-9" x 8'-3")	P.sft	154.69	1700/-	262973/-
b	CW2 (Size: 17'-5" x 8'-3")	P.sft	143.72	1700/-	244324/-
c	CW3 (Size: 12'-3" x 8'-3")	P.sft	101.06	1700/-	171802/-
(ii)	Fixed Windows				
	Supplying, fabricating, and installing a fixed glass window as per drawings, with brushed/anodized aluminum sections along the perimeter and vertical aluminum sections, combined with MS frames horizontally. The window shall be fitted with tinted glass 5 mm thick, fixed using EPDM/neoprene gaskets, glazing beads, sealant, and all necessary accessories. The work includes fabrication of aluminum and MS sections, installation, proper alignment, leveling, sealing, and ensuring a rigid, watertight, and aesthetically finished assembly, complete as directed by the Engineer.				
a	W7 (Size: 5'-0" x 8'-3")	P.sft	41.25	1500/-	61875/-
b	W8 (Size: 3'-0" x 8'-3")	P.sft	49.50	1500/-	74250/-
c	V1 (Size: 2'-0" x 2'-0")	P.sft	20.00	1500/-	30000/-
(iii)	Sliding Windows				

	Supplying, fabricating, and installing an aluminum glazed window consisting of fixed glass panels and double leaf glass door, complete with brushed/anodized aluminum sections along the perimeter and intermediate mullions. The glazing shall be fitted with 5 mm thick clear or tinted glass, secured using EPDM/neoprene gaskets, glazing beads, and sealant to ensure proper fixing and weather tightness. The aluminum sections shall be brushed finish, corrosion-resistant, and fabricated as per approved drawings. The work shall include all necessary accessories, fittings, and labor for smooth operation of sliding panels and proper sealing, around fixed panels as per the drawing.				
a	DW-1 (Size: 16'-4" x 9'-9")	P.sft	159.25	1600/-	254800/-
b	DW-2 (Size: 11'-2" x 9'-9")	P.sft	108.87	1600/-	174192/-
c	DW-3 (Size: 6'-9" x 9'-9")	P.sft	65.81	1600/-	105296/-
13	Doors with Frame (Wooden)				
	Providing and fixing solignum applied wooden door shutter made of first-class seasoned hardwood (Deodar/Kail or approved equivalent), fixed in a pressed steel door frame (18 SWG) with necessary holdfasts. The shutter shall be complete with approved quality hinges, mortise lock, handles, tower bolts, door stopper, and all accessories. The steel frame shall be finished with two coat anti-rust Red Oxide primer and two coats synthetic enamel paint of approved shade, complete in all respects as per drawings and specifications. Note: All accessories shall be of KHAAS or approved equivalent				
a	D-1 (Size: 4'-9" x 8'-0")	P.sft	114.00	1700/-	193800/-
b	D-2 (Size: 3'-0" x 8'-0")	P.sft	336.00	1700/-	571200/-
14	PVC Doors with Frame				

	Constructing Manhole or inspection chamber internal size 2'-0" x 2'-0" x 3'-6" depth with walls of block masonry with cement sand mortar and 1:3 CSM plaster, 1/2" TH. Inside and 1" thick outside over benching and channel including fixing Cast Iron Man hole cover of Cast Iron 2'-0" x 2'-0" (Heavy Duty) of 1.75 CWT (88.9 KG) embedded in plain CC complete as per standard specifications and as directed by engineer	Nos.	3.00	17000/-	51000/-
18	Anti-Skid Full Matt Body Porcelain Tile				
a	Tile Over Tread				
	Providing and fixing matt finish non-skid full body porcelain tiles, minimum 10-12 mm thick, of approved make and shade, cut and fixed to stair tread size 1'-0" x 4'-0", laid over prepared concrete stair treads using approved polymer-modified tile adhesive (tile bond) with full bedding. The item includes cutting to size, alignment, leveling, wastage, grouting of joints with approved color-matched grout, surface cleaning, and complete in all respects as per drawings, specifications, and Engineer's instructions.	Sft	300.00	390/-	117000/-
b	Tile Over Riser				
	Providing and fixing matt finish non-skid full body porcelain tiles, minimum 10-12 mm thick, of approved make and shade, cut and fixed to stair tread size 7" x 4'-0", laid over prepared concrete stair riser using approved polymer-modified tile adhesive (tile bond) with full bedding. The item includes cutting to size, alignment, leveling, wastage, grouting of joints with approved color-matched grout, surface cleaning, and complete in all respects as per drawings, specifications, and Engineer's instructions.	Sft	250.00	390/-	97500/-
c	Tile Over Landing				

	Supply and lay Gypsum ceiling tiles of Elephant or United or DFB or equivalent of square edge, size 600 x 600 x 9mm thick in approved surface designs and textures, laid into a T-Bar metal system frame work of 22 SWG, 2.6mm dia GI Hangers suspended from the structural ceiling, complete in all respect as per drawing and specifications.	Sft	4,343.15	170/-	738335.50
21	Plain/Perforated Metal False Ceiling				
	Providing and fixing DAMPA metal ceiling system (Thermac) comprising perforated aluminum clip-in tiles (600x600 mm, 0.6 mm thick) with acoustic backing, factory powder-coated of approved shade and make. Tiles shall be laid on a concealed suspended grid system consisting of GI/aluminum main runners (min. 0.9 mm / 20 gauge), cross runners (min. 0.7 mm / 22 gauge) and perimeter angles 24x24 mm (22 gauge). The ceiling shall be suspended using GI suspension hanger rods of 2.6 mm dia with approved anchors at maximum 1200 mm c/c. The system shall be clip-in type allowing easy access to services. The work includes all hangers, clips, fasteners, cut-outs for lights and services. Fixed at required height, properly aligned and leveled. Complete in all respects as per manufacturer's specifications, approved drawings, and Engineer-in-Charge's instructions.	Sft	1,477.54	230/-	339834.20
22	Pre-cast rain water spouts				
	Providing and fixing pre-cast rain water spouts (Size: 6"x 12") complete in all respects and as directed by the Engineer	Nos.	8.00	1000/-	8000/-
23	Window Blinds				
	Providing and installation of window blinds (MAKE: Thermac or Protector or equivalent) including all necessary tools/hardwares etc. complete in all respect	Sft	714.38	700/-	500066/-
TOTAL AMOUNT OF NON- SCHEDULE ITEMS (CIVIL WORKS)				PKR	113 19 138.50
PLUMBING WORKS (BASED ON PREVAILING MARKET RATES)					
1	Plumbing Piping Facility Water Distribution PPRC Pipes(PN20)				

a	6 inch Diameter	Rft	15.00	1700/-	25500/-
b	4 inch Diameter	Rft	5.00	1700/-	8500/-
11	Supply and fix one piece commode of approved quality.				
	Supply and fix one piece toilet Commode of Porta HD 104N or approved quality, in white or coloured with "P or S" trap of vitreous china, size shall be 741 x 438 x 637 mm with symphonic flushing mechanism and hydraulic seat cover including all internal fittings with connection pipes, Tee stop cock angle valve(HDJ1005-C) etc. of Porta complete in all respect as per drawing and specifications.	No.	8.00	67800/-	542400/-
12	Bathroom Accessories.				
	Supply and fix following bathroom accessories in chrome plated of Porta or equivalent approved, complete in all respect as per specification.				
A	Towel Rod (JM02) of Porta brand	No.	8.00	5000/-	40000/-
b	Soap Dish. (KMB53) of Porta brand	No.	8.00	5000/-	40000/-
c	Toilet Paper holder. (JM70) of Porta brand	No.	8.00	5000/-	40000/-
	Providing and fixing Porta Stainless Steel Double Bowl Kitchen Sink, Model HDSC-8868 , made of high-quality stainless steel, size approx. 860 x 480 x 210 mm, complete with waste outlets, overflow arrangement, and all necessary fittings and accessories. Including supply and installation of Porta two Tee Cock Model HDJ1005-C and Porta Kitchen Mixer Model HDA150XH , complete with SS flexible connections, cutting/opening in countertop, proper fixing, sealing with silicone, testing, and making good, complete in all respects as per manufacturer's specifications and Engineer's approval.	No.	2.00	5000/-	10,000/-
14	Manhole				

a	25mm (1") Dia	No.	1.00	5600/-	5600/-
b	50mm (2") Dia	No.	1.00	9000/-	9000/-
4	Monoblock Centrifugal Pump(2 HP)				
	Single-phase centrifugal end suction pump of min 2 HP with 100% copper winding continuous duty motor, suitable for clean water supply from ground water tank to overhead tank. Cast iron body, stainless steel impeller and shaft, mechanical seal, with protection against thermal overload. Complete with inlet/outlet connections and mounted base along with vibration isolators, starter/MCB, flexible hose connections. Make: Pedrollo/Ingco/Taifu	No	1.00	113000/-	113000/-
5	Providing and fixing Over counter Wash basin and its accessories				
	Supply and fix wash basin of Porta or approved equivalent, in white or coloured with Over Counter Vanity(A6111) shall be 690mm x 405 mmx155mm including all internal fitting with connection pipes concealed two Tee stop cocks angle valve(HDJ1005-C) with SS flexible pipes, Bottle Trap(GD1038), CP basin mixer (HDA1721M), waste pipe etc., of Porta brand or equivalent approved by the Engineer, complete in all respect as per drawing and specifications. This item also includes cutting of granite, fixing of over counter and sealing of it.	No.	8.00	30,000/-	240,000/-
6	Supply, fix muslim/toilet shower and double bib cock complete with Stainless Steel flexible pipe				
	Supply and fix muslim/toilet shower(HD-30) of PORTA complete with Stainless Steel flexible pipe, and double Bib Cock of matching knobs, of Porta (HDA313), complete in all respect as per drawing and as directed by the Engineer.	No.	8.00	6000/-	48000/-
7	Providing and fixing UPVC Floor Trap & Stainless Steel Floor Waste				

4	Wiring of power circuit from DB to first power socket with 2 x 1C-2.5 sq.mm + 1x 2.5 Sq.mm Cu/PVC wires in 25 mm dia PVC conduit complete in all respect. Normal & UPS Make: Pakistan Cable/Fast Cable	Nos	24.00	2632/-	63168/-
5	Wiring of power circuit from outlet to outlet power socket with 2 x 1C-2.5 sq.mm + 1x 2.5 Sq.mm Cu/PVC wires in 25 mm dia PVC conduit complete in all respect. Normal & UPS Make: Pakistan Cable/Fast Cable	Nos	70.00	1410/-	98700/-
6	Wiring of power circuit from DB to AC - Isolator/Switch point and outdoor with 2 x 1C-6 sq.mm + 1x 6 Sq.mm Cu/PVC wires in 25mm dia PVC conduit complete in all respect. Make: Pakistan Cable/Fast Cable	Nos	10.00	11750/-	117500/-
7	Wiring of power circuit from DB to Three Phase Socket with 4C-6 sq.mm + 1x 2.5 Sq.mm Cu/PVC wires in 25 mm dia PVC conduit complete in all respect. Make: Pakistan Cable/Fast Cable	Nos	2.00	1360/-	27260/-
	TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM		PKR		936498/-

SECTION-B**SUPPLY, INSTALLATION, TESTING & COMMISSIONING SWITCHES, SOCKETS, OUTLET & ACCESSORIES**

Make - Ref. List of approved Manufacturers

1(a)	Following Switches etc. complete in all respect.				
a	1 - Gang . (1-way) Make: Schnieder/Clipsal	Nos	12.00	752/-	9024/-
b	2 - Gang . (1-way) Make: Schnieder/Clipsal	Nos	30.00	940/-	28200/-
c	3 - Gang . (1-way) Make: Schnieder/Clipsal	Nos	10.00	1410/-	14100/-
d	4 - Gang . (1-way) Make: Schnieder/Clipsal	Nos	30.00	1786/-	53580/-
e	5 - Gang : (1-way) Make: Schnieder/Clipsal	Nos	12.00	1880/-	22560/-

LIGHT FIXTURES & FANS**Make - Ref. List of approved Manufacturers**

1	Following LED light fixtures complete in all respect.				
a	LED Recessed Round SMD Downlight for Ceiling Type - 4000/5000K - min.20watt Make: Philips/Osram/Unilux/Coarts	Nos	110.00	2800/-	28600/-
b	LED Recessed Round SMD Downlight Ceiling Type - 6500K - min 9watt Make: Philips/Osram/Unilux/Coarts	Nos	48.00	1120/-	53760/-
c	LED Surface Mounted Cylindrical Light- 6500K - min.15watt Make: Philips/Osram/Unilux/Coarts	Nos	16.00	3950/-	63200/-
d	Outdoor IP65 Wall mounted LED Light Up Down Dual-Head Cylinder min 12 Watt-3000K/4000K Make: Philips/Osram/Unilux/Coarts	Nos	14.00	5100/-	71400/-
e	LED Hanging Exit Sign Lights -Battery maintained with 2 hours battery backup. Make: Philips/Osram/Unilux/Coarts	Nos	4.00	4230/-	16920/-
f	Consealed Strip LED light / Coved LED Light-3000K/4000K complete in all respect as per site requirement. Make: Osaka/Philips/Coarts/Unliux/Electricore	Rft	150.00	282/-	42300/-
g	Customised ceiling hanging/suspended Curve Design Rectangular LED Linear Light with extrude aluminium housing with stainless recessed clips along with suspension kit in 3000K- min 36W/m. with a minimum running length of 8m as per site requirement Make: Philips/Osram/Unilux/Coarts/Electricore	Nos	2.00	3700/-	74000/-
h	Linear Suspended LED Light (4 feet) with extrude aluminium housing & suspension kits along diffuser & external driver complete in all respect as per as per site requirement.Make Philips/Osram/Unilux/Coarts/Electricore	Nos	2.00	8930/-	17860/-
i	LED Concealed Spot Light-3000K- min 5watt complete in all respect as per site requirement. Make Philips/Osram/Unilux/Coarts/Electricore	Nos	35.00	705/-	24675/-

10	Perforated Network Rack 27U with Colling Fan 800x1000 - Floor Stand	Nos	1.00	42300/-	42300/-
11	Other Accessories: Accessories for FOC relates items like Box fitting Screws, Cage nuts Qty 48, Washer, Flexible Pipe, RJ45 Connectors Box Qty 01, UPVC Joints, UPVC Elbow, saddle, Ties, Velcro Strips Qty 24 Etc.	Nos	1.00	18800/-	18800/-
TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM			PKR	1038280/-	

SECTION - E:**SUPPLY, INSTALLATION, TESTING & COMMISSIONING
AIR CONDITIONING SYSTEM****Make - Ref. List of approved Manufacturers**

1	Supply, Installation, Testing and Commissioning of Indoor wall mounted Air Conditioning Inverter units, including unloading, lifting, placing and Supply , Installation, Testing & Commissioning of the supporting arrangements for outdoor units in the external area with proper minimum two coating of red oxide and then two coats of epoxy paints to prevent rusting due environment conditions fixing as per site including Gas charging (if required) complete in all respect. Proper fixing, alignment, and anchoring of outdoor units on the rooftop mounted on civil foundation pads with suitable vibration insulators. Direct placement of outdoor units on the floor shall not be permitted.				
a	1.0 TR- Wall Mounted T3 Inverter A.C Make: Gree/Kenwood/Dawlance	Nos	1.00	117500/-	117500/-
b	1.5 TR- Wall Mounted T3 Inverter A.C Make: Gree/Kenwood/Dawlance	Nos	3.00	145700/-	437100/-
c	2.0 TR- Wall Mounted T3 Inverter A.C Make: Gree/Kenwood/Dawlance	Nos	1.00	223720/-	223720/-
d	2.0 TR- Floor Stand T3 Inverter A.C Make: Gree/Kenwood/Dawlance	Nos	5.00	329000/-	1645000/-
2	Supply and Installation of AC Refrigerant Copper Piping & Fittings.				
a	Dia 3/8" & 1/4" (50Feet=1 Coil)	Nos	2.00	23500/-	47000/-
a	Dia 1/2" & 1/4" (50Feet=1 Coil)	Nos	6.00	28500/-	171000/-
a	Dia 3/8" & 5/8" (50Feet=1 Coil)	Nos	12.00	32900/-	394800/-

e	1 x 4C-10 Sqmm Cu/PVC/PVC + 1x1C-6Sq.mm Cu./PVC as ECC from SMDB-UPS to SMDB in cable tray with complete installation Make: Pakistan Cable/Fast Cable	Rm	15.00	2600/-	39000/-
f	2 x 1C-10 Sqmm Cu/PVC from DB-UPS to GF-DB01 in 38mm dia PVC conduit with complete installation Make: Pakistan Cable/Fast Cable	Rm	50.00	1000/-	50000/-
g	2 x 1C-10 Sqmm Cu/PVC from DB-UPS to GF-DB02 in 38mm dia PVC conduit with complete installation Make: Pakistan Cable/Fast Cable	Rm	80.00	1000/-	800,00/-
h	2 x 1C-10 Sqmm Cu/PVC from DB-UPS to FF-DB01 in 38mm dia PVC conduit with complete installation Make: Pakistan Cable/Fast Cable	Rm	70.00	1000/-	70,000/-
i	1 x 1C-50 Sqmm Cu/PVC Flexible as ECC from SMDB to ECP in 50mm dia Class-D conduit with complete installation. Make: Pakistan Cable/Fast Cable	Rm	25.00	1400/-	35000/-
2	Galvanized Iron Cable Tray including Cover of 16 SWG. sheet steel (perforated) having with cover and hanging arrangement from ceiling / wall as per drawing / site conditions, complete in all respect to the entire satisfaction to Client / Consultant.				
a	150mm x 100mm 16 SWG	Rm	25.00	2300/-	57500/-
b	300mm x 100mm 16 SWG	Rm	50.00	3200/-	160,000/-
3	Supply & Installation of the following distribution boards as per detail shown on drawing complete in all respect.				

	Supply, installation, Testing and Commissioning of following including flexible conduits from points to device complete in all respects as per drawings / specs.				
a	Microprocessor based 2 Zone Compact Control Panel Intelligent (Conventional) Fire Alarm Panel with built-in power supply unit and NICAD battery backup, supervisory buzzer, alarm cancelling device, complete in all respects, as per the specifications and drawings and to the satisfaction of the Engineer. Make Honey Well Notifier Inertia / GENT or Bentel Italy.	Nos.	1.00	103000/-	103000/-
b	Opticaltype Conventional Smoke Sensor with light indication Protection against false alarms , complete in all respects, as per the specifications and drawings and approval by the Engineer. Make Honey Well Notifier Inertia / GENT or Bentel Italy	Nos.	20.00	5560/-	110,000/-
c	Conventional fire alarm Manual Call point with resetable, Protection category as per EN 60529 IP 52 Environmental class as per EN 54 T2 II complete in all respects, as per the specifications and drawings and to the satisfaction of the Engineer. Make Honey Well Notifier Inertia / GENT or Bentel Italy	Nos.	8.00	7900/-	63 200/-
d	Fire alarm Electronic Bell/Sounder with Flasher with built in fault isolators and integral strobe, as per the specifications and drawings and approval by the Engineer. Make Honey Well Notifier Inertia / GENT or Bentel Italy	Nos.	4.00	9200/-	36800/-
e	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	450.00	320/-	144000/-

b	Supply, Installation, Testing & Commissioning (SITC) of GF-DB02 with conealed wall mounted, Locally fabricated in 16 guage, Colour Code:RAL7035, MS Powder Coated, Brass Glands, Lugs, Phase indication lights, Digital Energy Analyzer, Tin Coated Copper Busbar for Neutral & Earth with channel duct for internal wiring. Glands at Bottom In & Out, CT's, with all related accessories with dust proof enclosure IP42. Digital Energy Analyzer: Tense/Vteke/MultispanCT's: Ficco/Saci or EquivalentMCCB Make: Schnieder/ABB/TerasakiMCB Make: Schnieder/ABB/TerasakiBusbar Make: Copper Tin Coatted Lauvata	Nos.	1.00	126000/-	126000/-
c	Supply, Installation, Testing & Commissioning (SITC) of FF-DB01 with conceadwall mounted, Locally fabricated in 16 guage, Colour Code:RAL7035, MS Powder Coated, Brass Glands, Lugs, Phase indication lights, Digital Energy Analyzer, Tin Coated Copper Busbar for Neutral & Earth with channel duct for internal wiring. Glands at Bottom In & Out, CT's, with all related accessories with dust proof enclosure IP42. Digital Energy Analyzer: Tense/Vteke/MultispanCT's: Ficco/Saci MCCB Make: Hager/ABB/Chint or Equivalent MCB Make: Hager/ABB/Chint or Equivalent Busbar Make: Copper Tin Coatted Lauvata	Nos.	1.00	169000/-	169000/-

a	Supply, Installation, testing and commissioning of Uninterruptible Power Supply (UPS) 10000 VA/ 10000 W pure sinewave, 10 kVA UPS shall be provided with a backup time at full load, including complete supply, installation, testing, and commissioning. The UPS shall be online, suitable for site input conditions, and shall be supplied with dry, maintenance-free batteries of adequate capacity, fully compatible with the UPS, along with battery mounting frames/racks. The UPS shall be equipped with a built-in LCD display for monitoring input/output voltage, load status, battery condition, and alarms, and shall include in-built protection features such as overload, short-circuit, over-voltage, under-voltage, surge protection, battery deep-discharge protection, and automatic bypass. Communication and management interfaces (USB/RS-232/SNMP as applicable) shall be provided for monitoring and control. All required cables, breakers, connectors, and accessories necessary for proper operation as per site requirements shall be included. The complete system shall be installed, tested, and commissioned by the supplier, and shall be covered by a minimum 1-year on-site warranty for the UPS and batteries, including parts and labor. Make: ABB/APC/Vertiv	Nos	1.00	700,000/-	700,000/-
TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM			PKR	700,000/-	
TOTAL AOUNT OF ELECTRICAL WORKS			PKR	14908237/-	
TOTAL AMOUNT OF SCHEDULE+NON- SCHEDULE ITEMS (CIVIL+PLUMBING+ELECTRICAL) WITHOUT SST			PKR	65296270.80/-	

SST @ 8%	PKR	5223701.67/-
GRAND TOTAL AMOUNT OF SCHEDULE+NON- SCHEDULE ITEMS (CIVIL WORKS+PLUMBING+ELECTRICAL) INCLUDING SST 8%	PKR	70519972.50/-

Grand Total Amount in Words:

Rupees: Seventy Million Seven hundred Nineteen thousand
Nine hundred & Seventy two and fifty Paise On

CREATIVE CONTRACTORS
 Contracting Engineers
 Proprietor
 Stamp & Signature