

SCHEDULE – A TO BID

SCOPE OF WORK
Construction of Staff Dinning & Cafeteria

S.#	Description	Unit	Total QTY.	Rate	Amount
Section : A					
SCHEDULE RATE ITEMS BASED ON CSR (SINDH) 2024					
1	Demolition of existing structure				
(a)	Dismantling cement block masonry Refer Item No. 14 Page no. 19 Chapter No. 2	P.Cft	840.00	50.70	42,588.00
(b)	Dismantling cement concrete reinforced separating reinforced cement from concrete cleaning and straightening the same. Refer Item No. 20 Page no. 20 Chapter No. 2	P.Cft	562.50	229.72	129,217.50
(c)	Dismantling cement concrete plain 1:3:6. Refer Item No. 19(c) Page no. 20 Chapter No. 2	P.Cft	1,125.00	87.14	98,032.50
(d)	Dismantling iron work of trusses sheds water tanks, etc, excluding cutting of rivets. Refer Item No. 41 Page no. 21 Chapter No. 2	cwt	5.00	1,148.52	5,742.60
2	Excavation				
	Excavtion 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 metre) and lift upto 5 ft. (1.5 metre). (c) In hard soil or soft murum. Refer Item No. 18 Page no. 17 Chapter No. 1	P.Cft	2,787.66	11.88	33,117.45
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	1,830.48	6.50	11,898.09
4	Lean Concrete				
	Cement concrete plain including placing compacting, finishing and curing, complete (including screening and washing at stone	P.cft	264.30	348.83	92,197.41

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	aggregate without shuttering. (i) Ratio. 1: 4 :8 Refer Item No. 5 Page no. 24 Chapter No. 4				
	Add Shuttering				
	Erection and removal of centering for R.C.C or plain cement concrete works of Deodar wood (2nd-Class) Partal Wood (b) Vertical floor Refer Item No. 19(b) Page no. 27 Chapter No. 4	p.sft	304.59	106.48	32,433.17
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	1,478.50	11.46	16,943.61
6	Steel Reinforcement				
	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	P.Cwt	126.25	18,934.02	2,390,488.26
7	Structural 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, centering, shuttering and curing. (including screening and washing of shingle.) a) R.C.C work in roof slab, beams, column, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects. (i) Ratio 1 : 2: 4 90 Lbs of cement, 2 Cft sand and 4 Cft shingle 1/8" to 3/4" gauge. Refer Chapter 4 Page no. 25 Item No. 6(a)-(i)				

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a	Footings/Foundations	P,Cft	500.85	717.59	359,404.95
b	Columns upto Plinth level	P,Cft	68.59	717.59	49,221.75
c	Plinth beams	P,Cft	245.70	717.59	176,311.86
d	Super structure Columns	P,Cft	305.68	717.59	219,353.81
e	Beams	P,Cft	268.19	717.59	192,447.41
f	Slab and Projections	P,Cft	680.07	717.59	488,012.78
g	Stairs	P,Cft	92.11	717.59	66,094.34
h	Lintels	P,Cft	32.91	717.59	23,619.01
8	Bitumen				
	Bitumen coating to plastered or cement concrete surface. Refer Item no. 9 page no. 63 Chapter no. 11	P.Sft	2,160.33	21.83	47,160.07
9	DPC (2" Thick)				
	Damp proof course with (cement sand and shingle concrete 1:2 :4) including 2 coats of asphaltic mixture. (b) 2" Thick Refer Item no. 28(b) Page no. 28 Chapter no. 4	P.Sft	213.75	126.97	27,139.84
10	Sub-Flooring Base (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	P.cft	252.81	388.67	98,259.08
11	Plaster				
	Internal Plaster(1:6)				
a	Cement plaster 1:6 upto 12' upto 20 ft height. (b) 1/2" thick. Refer Item No. 13 Page No. 52 chapter no. 9	P.Sft	3,660.63	37.01	135,479.73

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12	Internal Paint				
	Preparing the surface and painting with matt finish I/c rubbing the surface with Bathy (silicon carbide rubbing brick) filling the voids with zinc/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). Refer Item No. 36(A) Page No. 54 chapter no. 9	P.Sft	3,660.63	49.27	180,358.99
13	External Paint				
	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. Refer Item No. 38-A & B Page No. 54	P.Sft	2,045.50	39.38	80,551.79
14	Porcelain Tiles Wall Dado				
	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 mortor 3/4" thick including grouting with matching color and finishing. Refer Item No. 24 Page No. 45 Chapter No. 8	P.Sft	434.50	389.36	169,176.92
15	Porcelain Floor Tiles				
	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 Spacification. Refer Item No.(ix) Page No. 46 Chapter No. 8	P.Sft	2,411.75	439.57	1,060,132.95
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	682.50	227.51	155,275.58



TOTAL AMOUNT OF SCHEDULED BASED ITEMS (CIVIL WORKS)			PKR	6,380,659.46	
PREMIUM / REBATE			PKR	1,890,000/-	
(A) TOTAL AMOUNT OF SCHEDULED BASED ITEMS (INCL. PREMIUM/REBATE)			PKR	4490659/-	
(B) NON-SCHEDULE RATE ITEMS (BASED ON PREVAILING MARKET RATES)					
1	Stone Soling				
	6" inch thick compacted stone soling under floor and plinth protection.	Sft	1,364.73	25	34118/-
2	External Colorcrete				
	Colour-crete 1" (25.4 mm) thick 1:1:2 (1 white cement mixed with pigment, 1 marble powder and 2 marble chips zero no.) in required shade including dragging the surface with wire brushes complete with curing over a base of 3/4" (19 mm) thick cement plaster 1:3 in Ground and First Floor including the cost of base course as directed complete but excluding the cost of grooves or joints if provided.	P.Sft	2,045.50	65	132,958
3	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.				
a	6" thick	P.cft	1,062.88	170	180690/-
4	Aluminium Windows				
a	Sliding				
	Supplying & fixing in position Aluminum channels framing for sliding windows & ventilators of made				


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	with 2 mm thick tinted glass glazing & Aluminum fly screen l/c handles stoppers & locking arrangement etc. complete.				
a	W-1 (Size: 4'-0" x 4'-0")	P.sft	32.00	3100	99200
b	W-2 (Size: 3'-0" x 4'-0")	P.sft	12.00	3100	37200
c	W-3 (Size: 6'-0" x 5'-0")	P.sft	210.00	3100	651000/
5	Doors with Frame (Aluminium Glazing)				
	Supplying & fixing in position Aluminum channels framing for hinged doors or made with 2 mm thick tinted glass glazing and Alpha locks l/c handles, stoppers etc.				
a	D-1 (Size: 3'-0" x 7'-0")	P.sft	63.00	3100	195,300/
b	D-2 (Size: 6'-0" x 8'-0")	P.sft	48.00	3100	148,800/
c	D-3 (Size: 11'-0" x 10'-6")	P.sft	115.50	3100	358,050/
6	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 foxed 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	12.00	640	7680/
7	Water Proofing				
	Providing & Laying elastomeric cementitious waterproofing and protective coating of Expancote Rubber-flex two component acrylic polymer modified cementitious coating manufactured by M/s FOSPAK 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 experiences applicator.	sft	130.75	670	87603/
8	Manholes				


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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 with cement sand mortar and 1:3 CSM plaster, 1/2" TH. Inside and 1" thick outside over benching and channel including fixing C.I. Man hole cover 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	Nos.	3.00	4500	13500/-
9	Planter (1:3:6)				
	Constructing Plain Cement concrete including placing compacting, finishing and curing, complete into required shapes as per drawing. (including screening and washing at stone aggregate with shuttering). (h) Ratio. 1:3 :6 Including 2 coat of cold bitumen inside it.	P.cft	119.55	310	37061/-
10	MS Pergola on Roof (Size: 4" x 4" x 14 SWG)				
	Providing and fixing MS square HSS hollow section (4"x4"x 14 SWG) including all necessary arrangements including scaffolding, tools and hardware's etc. with surface preparation, 1 coat of red oxide and 2 coat of epoxy paint over it (including standard braces etc) and similar open work complete in all respect.	KG	1,037.10	390	404,469/-
11	Stairs Granite				
a	Granite ON TREAD				
	Providing and fixing 3/4" thick granite (Sado white or equivalent) 4'-0" long including grinding, polishing, 3/4" chamfer nosing including three no carbonium strips and fixing over 3/4" thick base 1:6 CSM complete as per drawing and specification	Sft	96.00	1650/-	158400/-
b	Granite ON RISER				
	Providing and fixing 3/4" thick granite (Sado white or equivalent) 4'-0" long including grinding, polishing, and fixing over 3/4" thick base 1:6 CSM complete as per drawing and specification	Sft	78.00	1100	85800
c	Granite ON LANDING				
	Providing and fixing 3/4" thick granite (Sado white or equivalent) (Size: 2'-0" x 2'-0") ON LANDING including	Sft	36.00	1650	59400/- 86213

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	grinding, polishing, and fixing over 3/4"thick base 1:6 CSM complete as per drawing and specification				
12	Granite Top				
	Providing and fixing granite top of sado white or equivalent colour including grinding, polishing, 3/4" chamfer nosing including three no carbonium strips and fixing over 3/4"thick base 1:6 CSM complete as per drawing and specification	Sft	52.25	1650	86213½
13	SS Railing				
	Providing and fixing 50mm dia 16SWG Stainless steel 304 pipe as main pipe and 25mm dia 16SWG stainless steel 304 pipe as secondary pipe fixed at wall with coupling as per detail and design shown on drawing including all labour and material required.	Rft	81.00	3200½	259200½
14	Gypsum False Ceiling				
	Supply and lay pvc laminated Gypsum ceiling tiles of DFB or equivalent of square edge, size 600 x 600 x 9mm thick in approved surface designs and textures , laid into a exposed 170 Sft T-Bar metal system frame work suspended from the structural ceiling, complete in all respect as per drawing and specifications.	Sft	1,083.86	180	195095
15	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.	4.00	2100	8400½
16	Window Blinds				
	Providing and installation of window blinds (MAKE: Protector or equivalent) including all necessary tools/hardware's etc. complete in all respect	Sft	246.81	290	71575½
(B) TOTAL AMOUNT OF NON- SCHEDULE ITEMS (CIVIL WORKS)			PKR	3311710½	
(C) PLUMBING WORKS (BASED ON PREVAILING MARKET RATES)					
1	Plumbing Piping				
	Facility Water Distribution				
	PPRC Pipes				

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	equivalent approved by Engineer, complete in all respect as per drawing and specification.				
5	Providing and fixing UPVC Floor Waste				
	Supply and fix in position UPVC Floor Trap with SS Jali top tile & strainer of Master, Dadex - Nikasi or equivalent, floor trap shall be connected to a waste stack with bend, complete in all respect as per specification.	No.	6	1200	7200/-
6	Handle Valve				
	Supply and install in place handle valve of Minhas, Pipe Plus or ILL for water system as specified, approved by the Engineer, complete in all respect as per specifications.				
a	25mm internal diameter.	No.	3	2100	6300
b	32mm internal diameter	No.	2	3200	6400
7	Wash Basin				
	Providing & Fixing glazed earthen ware White wash hand basin (WHB) with pedestal (Best Quality) complete of size 515x420x800mm including bracket set, waste coupling, CP swan-neck cock 25mm dia , 25mm CP T cocks(01 Nos.), and bottle trough with waste pipe 2" i/d, etc. complete in all respects of approved quality.	No.	1	43000	43000/-
8	Electric Geyser				
	Providing and installation of Instant Electric Geyser of NASGAS brand (Model: DEG-35 SUPER HEAVY) or equivalent. Mounted at required height including all fixing accessories complete in all respect and as directed by Engineer	No.	1	90000/-	90000/-
9	Supply & Fix one piece commode of approved quality				
	Supply and fix one piece toilet commode of Porta or equivalent quality, in white or coloured with " P or S" trap of vitreous china, size shall be 741x438x637mm with symphonic flushing mechanism and seat cover with hydraulic including all internal fittings with connection	No.	1	65000	65000/-

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	Supply and lay PPR pipes of PipePlus, Minhas, ILL 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 chiselling wall and floor and making good the same, complete in all respect as per drawing, specification and as directed by the Engineer.				
	Nominal internal diameter shall be as follows:				
A	25 mm Dia	Rft	184	220	40480/-
B	32 mm Dia	Rft	173	310	53630/-
2	Facility Sanitary Sewerage Drainage Pipe				
	Supply and lay UPVC pipes of Pak Arab/ Steelex (SDR-41), 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	(4" Dia) diameter.	Rft	150	670/-	100,500/-
b	(2" Dia) diameter.	Rft	24	320/-	7680/-
3	Providing and fixing Kitchen Sink				
	Atlas or equivalent Stainless Steel Kitchen Sink (60 x 45 cm) including all internal fittings with connection pipe concealed Tee cocks, waste pipe, jewel kitchen sink mixer etc. of Master brand or equivalent approved by Engineer, complete in all respect as per drawing and specification.	No.	4	7600/-	30400/-
4	Providing and fixing Over counter Vanity Basin				
-	Supply and fix wash basin of Porta HDFL02 or approved quality in white or coloured with over counter vanity shall be 708x500x500 mm including all internal fittings with connection pipe concealed Tee cocks, Pure brass bottle trap, waste pipe, CP basin mixer etc. of Master brand or	No.	2	65000/-	130,000/-


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	pipes, Tee stop cock etc. of master complete in all respect as per drawing and specification.				
10	Supply & Fix Bib Cock				
	Supply and fix Bib Cock Large Size 90' (Special) of Master or equivalent or as directed by Engineer.	No.	2	1800	3600/-
(C) TOTAL AMOUNT OF B.O.Q. ITEMS (PLUMBING WORKS)			PKR	584190/-	
SECTION-D 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.	Nos	6.00	3200/-	19200/-
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.	Nos	16.00	2700	43200/-
3	Same as above from point to point.	Nos	42.00	2100	88200/-
4	Wiring of power circuit from DB to first power socket with 2 x 1C-4 sq.mm + 1x 4 Sq.mm Cu/PVC wires in 25 mm dia PVC conduit complete in all respect. Normal & UPS	Nos	4.00	8700	34800/-
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	Nos	15.00	3200	48000/-
6	Wiring of power circuit from DB to AC - Isolator point and outdoor with 2 x 1C-6 sq.mm + 1x 6 Sq.mm Cu/PVC wires in 25 mm dia PVC conduit complete in all respect.	Nos	5.00	12000/-	60000/-
(D) TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM			PKR	293400/-	
SECTION-E SUPPLY, INSTALLATION, TESTING & COMMISSIONING SWITCHES, SOCKETS, OUTLET & ACCESSORIES Make - Ref. List of approved Manufacturers					


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1(a)	Following Switches etc. complete in all respect.				
a	2 - Gang . (1-way)	Nos	4.00	1200	4800
b	4 - Gang . (1-way)	Nos	11.00	2500	27500
c	4 - Gang . (1-way) Water Proof cover	Nos	5.00	1000	5000
1(b)	Following Switches etc. complete in all respect.				
a	13A International Switch socket outlet	Nos	18.00	3400	61200½
b	13A Simplex type - Flat Pin	Nos	4.00	3400	13600½
d	13A Isolator switch for A.C	Nos	5.00	12000	60000½
1(c)	Following sizes M.S Back box for switches and sockets				
a	3x3 M.S Back Box	Nos	154.00	1100	169,400½
(E) TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM			PKR	341500½	
SECTION-F					
SUPPLY, INSTALLATION, TESTING & COMMISSIONING					
LIGHT FIXTURES & FANS					
Make - Ref. List of approved Manufacturers					
1	Following LED light fixtures complete in all respect.				
a	LED 600mmx600mm Panel light - 6500K - min. 36watt	Nos	29.00	5480	158920
b	LED Down Light Round Ceiling Type - 6500K - min.10watt	Nos	12.00	1590	19080
c	LED Exit Lights -Battery maintained with 2 hours battery backup.	Nos	2.00	8700	17400
d	LED Garden Bollard light water proof- 3000K- 6500K- min. 3watt	Nos	6.00	5400	32400
2	Following Fans with complete accessories and hanging arrangements etc. complete in all respect.				
a	600mmx600mm Ceiling Fan	Nos	21.00	10900	228900½
b	Exhaust Fan 8"	Nos	1.00	4500	4500½
(F) TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM			PKR	461200½	

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SECTION - G: SUPPLY, INSTALLATION, TESTING & COMMISSIONING WIRING & ACCESSORIES FOR DATA & WiFi system Make - Ref. List of approved Manufacturers					
a	Supply, installation, Testing and Commissioning of following including flexible conduits from points to device complete in all respects as per drawings / specs.				
b	Supply, installation, testing, and commissioning of a 24-port UTP patch panel (loaded) with cable management, including all necessary fixing accessories.	Nos	1.00	12000	12000/-
c	Supply, installation of Galvanized steel perforated Open Cable Tray for UTP Cat6 from the IT Room. Size: 125mm x 75mm 16 SWG	Rm	60.00	1200	72000/-
d	UTP Cat-6 patch Cable 1 Meter	Nos	17.00	900	15300
e	UTP Cat-6 patch Cable 3 Meter	Nos	19.00	2100	39900
f	K6 I/O Modular Jack Cat6	Nos	32.00	900	28800
g	Cable Manager Black Front 19" Plastic Body	Nos	1.00	1800	1800
h	Cat-6, UTP cable for data communications systems to be laid in PVC conduits wall complete in all respects	Nos	36.00	2000	72000/-
i	Supply & installation Single & Dual RJ-45 face plate double shutter outlets with Steel Boxes. -Dual Sheets Qty 1 -Single Sheets Qty 15	Nos	16.00	4500/-	72000/-
j	I/O Punching on Patch Panel, Rack Management, End to End Ribbon Tagging, Channel Laying, Accessories required for Box Fixing and channel laying, GageNuts, Testing and Fluke Test of network nodes in every outlet box Compliance with ICT instructions.	Nos	16.00	4100	65600/-
(G) TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM				PKR	379 400/-
SECTION - H: SUPPLY, INSTALLATION, TESTING & COMMISSIONING AIR CONDITIONING SYSTEM					

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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 coating of paints to prevent rusting due environment conditions fixing as per site including Gas charging (if required) complete in all respect.				
a	2.0 TR- Wall Mounted Inverter A.C	Nos	5.00	260000/-	1300000/-
2	Supply and Installation of Split AC Refrigerant Copper Piping & Fittings.				
a	Dia 3/8" & 5/8" (50Feet=1 Coil)	Nos	2.00	60000/-	120000/-
3	Following sizes of Core Cutting complete in all respect.				
a	Core Cutting 4" Dia	Nos	5.00	5400	27000/-
4	Supply, installation, Testing and commissioning of uPVC including all accessories as per site condition.				
a	25mm dia uPVC conduit.	Rm	30.00	230	6900/-
b	20mm dia uPVC Conduit	Rm	25.00	390	9750/-
(H) TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM			PKR	1463650/-	
SECTION- I : SUPPLY, INSTALLATION, TESTING & COMMISSIONING DISTRIBUTION BOARDS,CABLES & 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. Cables if layed in cable tray trafoil arrangements shall be made				

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a	1 x 4C-35 Sqm Cu/PVC/PVC + 1x1C-16Sq.mm Cu./PVC as ECC from LV2 to Cafeteria Dining DB in 50mm dia Class-D conduit with complete installation	Rm	45	5500	247500/-
2	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.				
a	100mm x 75mm 16 SWG	Rm	50	980	49000/-
3	Supply & Installation of the following distribution boards as per detail shown on drawing complete in all respect.				
a	Supply, Installation, Testing & Commissioning (SITC) of Distribution Box with concealed wall mounted, Locally fabricated in 16 guage, Colour Code:RAL7035, MS Powder Coated, Copper Glands, Lugs, Phase indication lights, Digital Ammeter & Voltmeter, Copper Busbar for Neutral & Earth with channel duct for internal wiring. Glands at Top/Bottom In & Out, CT's, with all related accessories with dust proof enclosure. Main AC Breaker 125A ,TP,MCCB,400V/415V, Qty:01 Load Breaker 1Pole, 10A, MCB,220V/230V, Qty:15 Load Breaker 1Pole 16A/20A,MCB,220V/230V, Qty:10 Load Breaker 1Pole 25A/32A,MCB,220V/230V, Qty:8 Digital Voltmeter Meter & Ammeter: Tense/Vteke/Multispan CT's: Ficco/Saci or Equivalent MCCB Make: Hager/ABB/Chint or Equivalent MCB Make: Hager/ABB/Chint or Equivalent	Nos.	1	105000/-	105000/-
(I)	TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM		PKR		401500/-

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TOTAL AMOUNT OF ELECTRICAL WORKS		PKR	3047250/-
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GROSS TOTAL AMOUNT OF A+B+C+D+E+F+G+H+I	11727209/-
ADD 15 % SRB ON GROSS TOTAL AMOUNT	1759081/-
GRAND TOTAL AMOUNT INCLUDING SRB	13,486,290/-

Grand Total Amount in Words:

Rupees: Thirteen million four hundred eighty Six
Thousand Two hundred ninety.

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