

FINANCIAL EVALUATION REPORT OF BIDS AGAINST TDAP TENDER FOR SUPPLY, INSTALLATION & MAINTENANCE OF SECURITY SYSTEMS AT KARACHI EXPO CENTRE

Table -1

IDENTIFICATION

1.1	Name of Project	Tender for Supply, Installation and Maintenance of Security Systems at Karachi Expo Centre
1.2	Employer (a) Name (b) Address	Trade Development Authority of Pakistan Block-A, 5 th Floor, FTC Building, Shahrah-e-Faisal, Karachi 021-99206472
1.3	Contract number (identification)	ITB#: TDAP-3(13)/06/KEC/Maintenance & Operation
1.4	Contract description	Tender for Supply, Installation and Maintenance of Security Systems at Karachi Expo Centre
1.5	Engineer's cost estimate(s)	None
1.6	Method of procurement	Single Stage Two envelope Procedure
1.7	Fixed price contract	No

Table -2

BIDDING PROCESS

2.1	Prequalification, carried out (a) Number of firms pre-qualified/ Technically qualified	Three (03)
2.2	Procurement Notice (a) Name of national newspaper (b) Issue date (c) Number of individual firms notified	(a) The Dawn, Business Recorder and Express Urdu (b) 21 st May, 2012 © None
2.3	Standard Bidding Document a) Title, publication date b) Date of issue to bidders	(a) Tender for Supply, Installation and Maintenance of Security Systems at Karachi Expo Centre (b) 24 th May, 2012

2.4	Number of firms to whom documents issued	22
2.5	Amendments to documents, if any a) List all amendments No. & dates	None
2.6	Date of pre-bid conference, if any	None
2.7	Date minutes of the conference sent to bidders	N/A

Table-3

BID SUBMISSION AND OPENING

3.1	Bid submission deadline (a) Original date, time (b) Extensions, if any	 (a) 4 th August, 2011 @ 3 PM (b) None
3.2	Bid opening date, time (Actual)	8 th June, 2012 @ 3PM
3.3	Number of bids submitted	Twenty Two (22)
3.4	Bid validity period (days, weeks or months) a) Originally specified b) Extensions, if any	(a) 45 days (b) none

Table-4

SUMMARY OF BID PRICES (AS READ OUT)

Bidder Identification		Read-out Bid Price(s)		Modifications or Comments (e)
Bidder (a)	Address (b)	Amount (c)	Currencies(s) (if FE also demanded) (d)	
M/s. Teknoaids (pvt) Ltd	C-2C, Khayaban-e-Itehad Phase-VII, DHA, Karachi 021-35389012	Rs. 45,000,000/	N/A	None
M/s. Rizvi & Company	B-24, Block-9, Gulshan-e-Iqbal, Karachi 02134821116	Rs. 30,004,560/ (Quotes for supply of two items only. The financial bid did not cover the	N/A	Bid Non responsive

		entire scope of work)		
M/s. Sage-Tech International	Sit#507, 5 th Floor, Business & Finance Centre, I.I.Chandrigar Road, Karachi 021-32416727	Rs. 29,313,200/ (Quotes for partial supply/ works only. The financial bid not cover entire scope of work)	N/A	Bid non responsive

Table -5

RESULTS OF PRELIMINARY EXAMINATION

Bidder (a)	Verification (b)	Eligibility (c)	Bid Security (d)	Completeness of Bid (e)	Substantial Responsiveness (f)	Acceptance Detailed Examination (g)	responsiveness to technical conditions
M/s. Teknoaids (pvt) Ltd	Yes	Yes	Yes	Yes	Yes	Yes	Yes
M/s. Rizvi & Company	Yes	Yes	Yes	No	No	No	No
M/s. Sage-Tech International	Yes	Yes	Yes	No	No	No	No

Table -6

CORRECTIONS AND UNCONDITIONAL DISCOUNTS

Bidder (a)	Read-Out Bid Price(s)		Corrections		Corrected Bid Price(s) (f)=[(c)+(d)]- (e)	Unconditional Discounts ²		Corrected / Discounted Bid Price(s) (i)=(f)-(h)
	Amount (b)	Currency(ies) (if FE also demanded) (c)	Computational Errors ¹ (d)	Provisional Sums (e)		Percent (g)	Amount (h)	
M/s. Teknoaids (pvt) Ltd	Rs. 45,000,000/	N/A	00		00	00	00	
M/s. Rizvi & Company	Rs. 30,004,560/ (Quoted Price is for Part A and two sections only, remaining two sections were not quoted)	N/A	00		00	00	00	

M/s. Sage-Tech International	Rs. 29,313,200/ (Quoted Price is for Part A only, remaining one section was not quoted)	N/A	00		00	00	00	
------------------------------	---	-----	----	--	----	----	----	--

Table-7

COMPARATIVE ANALYSIS OF FINANCIAL BIDS OF PRE-QUALIFIED COMPANIES

A. SUPPLY, INSTALLATION AND MAINTENANCE OF EQUIPMENT:

S. N O	EQUIPMEN T	Qt.	Name of Bidders					
			Rizvi & Company		Sage-Tech International		Teknoaids	
			Rate	Amt	Rate	Amt.	Rt.	Amt.
1	A.1: Large X-Ray baggage machine	1	15,660,000 /	15,660,000 /	11,252,000 /	11,252,000 /	11,000,000 /	11,000,000 /
2	A.2: Small X-Ray baggage machines	3	4781520	14344560	3,596,000/	10,788,000 /	4,176,000	12,528,000 /
3	A.3: Explosive Detector	1	N/Q	N/Q	3,828,000/	3,828,000 /	4,524,000 /	4,524,000/
4	A.4: Walk through gates	6	N/Q	N/Q	N/Q	N/Q	638,000/	3,828,000/

Maintenance	Rate	Name of Bidder		
		Rizvi & Company	Sage-Tech	Teknoaids
MONTHLY MAINTENANCE FOR A PERIOD OF FIVE YEARS AFTER FIRST YEAR OF FREE SERVICE: This monthly maintenance amount will not be used for lowest bid calculation part but will form part of the contract.	Lump Sum	Rs. 6,300/ per month for item No. 1 &2 (without parts)	Rs. 250,000/ per month	Rs. 250,000/ as a monthly maintenance contract fee for all equipments after expiring one year warranty period

B. Civil Work & Electrical Work

S No.	Description	Name of Bidder							
				Rizvi & Company		Sage-Tech		Teknoaids	
		Unit	Qty.	Rt.	Amt	Rt.	Amt	Rt.	Amt
B.1	<u>Construction of Cargo Handling area on University Road:</u>								
1	CIVIL WORKS								
	Dismantling / Removal works. Dismantling / removal (as per drawing) existing floor cutting and water & drainage line, entire electrical wirings, cable disposed off useless material / debris outside the munciple limits and stack usable material as delivered by Engineer, complete in all respect (contractor must be visit the site prior to quote the rates, salvage material to be return to client.	Job	1	N /Q	N /Q	N/ Q	N/Q	25,000/	25,000/
2	EXCAVATION								
	Structural excavation for foundation and plinth beam etc, in any type of soil, disposal of surplus unsuitable material to outside the municipal limited, complete in all respect as directed by Engineer	Cft.	3000	N /Q	N /Q	N/ Q	N/Q	14	42,000/
3	EARTH WORK								
	Structural excavation for foundation & Plinth Beam etc, in any type of soil, including at site for back filling in foundation, Plinth and under with approved suitable excavated material in layer not exceeding 6" in depth and compacting / watering and disposal of surplus unsuitable material to outside the municipal limits, complete as per specifications and as	Cft.	5000	N /Q	N /Q	N/ Q	N/Q	22	110,000/

	directed by Engineer.								
4	STONE SOLING 6"								
	Providing, laying compacting and laying 6" thick stone soling under R.C.C. foundation or floors complete in all respect as drawing and as director by Engineer	Sft.	200 0	N /Q	N /Q	N/ Q	N/Q	30	60,000/
5	PCC FLOORING								
	Providing, laying, compacting, leaving and curing etc, plain cement concerte (1:48) under RCC footing, foundations or beams etc. using 1" down graded crushed stone as coarse aggregate, approved local and complete in all respects as specified and as approved by Engineer.	Cft.	600	N /Q	N /Q	N/ Q	N/Q	100	60,000
6	REINFORCEMENT WORK								
	Providing, cutting, Fabrication, place and tie in position wherever required with 20 SWG Binding wire. Tor Steel reinforcement including the cost of binding wire. Steel chairs, pins, spacers, un-specified laps. Wastage etc. Complete in all respect as per directed by Engineer	Ton	7	N /Q	N /Q	N/ Q	N/Q	85,000	595,000/

7	R.C.C. CONCRETE WORKS								
	Providing and laying compacting, leveling, rodding, finishing and curing etc, reinforced structural cement concrete with min cube strength at 22 days as noted below, using SR cement and sand including vibrating manual and good quality wooden shuttering with removal having straight unbroken joints, and good workman ship A" class", as shown on drawings, specification and as approved by the consultant & directed by Engineer (Excluding the cost of steel reinforcement)								
7.1	R.C.C. Foundation- 3000 PSI	Cft.	440	N /Q	N /Q	N/ Q	N/Q	200	88,000/
7.2	Plinth Beam. 3000 PSI	Cft.	200	N /Q	N /Q	N/ Q	N/Q	250	50,000/
7.3	Columns – 4000 PSI	Cft.	200	N /Q	N /Q	N/ Q	N/Q	225	45,000/
7.4	Roof Slab / Beam. – 4000 PSI	Cft.	100 0	N /Q	N /Q	N/ Q	N/Q	225	225,000/
	RCC LINTEL								
	Providing and Placing in position precast RCC (1:2:4) lintel complete in all respects as directed by Engineer	Rft	80	N /Q	N /Q	N/ Q	N/Q	150	12,000/
8	PCC FLOORING								
	Providing & laying (1: 2: 4) cement concrete floor smooth finish 50 mm thick (Average) to be laid in pannels using glass strips or as per site including curing hacking of existing surface for bonding as per instruction of the consultant & directed by Engineer	Sft.	130 0	N /Q	N /Q	N/ Q	N/Q	25	32,500/

9	ROOF SCREEDING								
	Providing & laying 3" high plain concrete over roof using 1:3:6 ratio, to be laid in pannels of 5' x 4' and filled the 1/2" thick joints with bitumen & chempherd corners including smooth trowel finish curing and well sloping etc, complete in all respect as per drawing and directed Engineer	Sft.	130 0	N /Q	N /Q	N/ Q	N/Q	35	45,500/
10	MASONRY WORK / ENVICRETE BLOCKS								
	Providing and laying at any floor first class machine made block / hollow block masonry using 1:9 machine made blocks 1 000 Psi crushing straight or curved set in (1:6) cement sand mortar in super structure including curing, finishing racking out joints, scaffolding, lifting, hoisting etc, complete in all respect as per specifications, drawings and as directed by Engineer	Sft.	240 0	N /Q	N /Q	N/ Q	N/Q	80	192,000/-
11	DPC / Plinth Beam								
	Providing & laying DPC over plinth beam with sand cement and adhesive used as all respect directed by Engineer	Sft.	200	N /Q	N /Q	N/ Q	N/Q	45	9000/

12	PLASTER WORK								
	Providing and laying 1/2" to 3/4" thick at roof and any floor at any height cement and plaster (1 : 4) to internal and external walls, making edges and corners including cost of fixing G.I. Expanded metal 8" wide at joint of R.C.C. members and block masonry works, preparation of surface before plastering finishing scaffolding curing etc. complete in all respect as specified and as approved by the consultant & directed by Engineer	Sft.	400 0	N /Q	N /Q	N/ Q	N/Q	25	100,000/
13	FLOORING								
	Providing / Laying 24"X24" Porcelain floor tiles at floor over 2" thick 1:4 cement mortar including grouting with matching grouting material, fixing of 4" high skirting of same tiles, leveling of floor before laying of tiles, complete in all respect as per satisfaction of Engineer	Sft.	140 0	N /Q	N /Q	N/ Q	N/Q	175	245,000/
14	ALUMINUM - DOOR WORK								
	Providing and fixing 12 mm thick clear glass door, with floor mounted imported door closer or GCC, and top pivot, including fixing 3" high 2 mm thick aluminum H section (Lucky Series D-48 A Page 46 of Lucky Product Catalogue) Champaign color + New star Japanese machine at top and bottom, with gasket, best quality stainless steel door handles, lick 1' – long straight (new star) polish of exposed edges, complete in all respects and as directed by the Engineer	Sft.	325	N /Q	N /Q	N/ Q	N/Q	600	195,000/

15	ALUMNIUM - OPENABLE SLIDING WINDOWS								
	Providing & fixing of openable aluminum windows panels using 5 mm thick imported clear glass, Box series sections of 1.6mm thickness product by (Lucky Box Series Page 21 and 23 of Lucky Product catalogue) including cost of imported roller, atches, handles locks and other hardware etc. with rubber gasket of approved quality, colour and design complete in all respect and directed by Engineer	Sft.	200	N /Q	N /Q	N/ Q	N/Q	300	60,000/
16	STEEL GRILL / DOOR & WINDOW								
	Providing and fixing of steel grill using M.S. 1-1/2" x 3/8" flat patti as external frame and solid squire bar 5/8" x 5/8" size @ 5" c/c as per drawing, including base coat of red oxide and three coats of matt enamel ICI complete in all respect or as directed by the Engineer	Sft.	450	N /Q	N /Q	N/ Q	N/Q	350	157,500/
17	PAINT WORK								
	Providing and applying 3 coat of distember paint approved shade & pattern on internal surface, i.e walls, beams, slab etc. roller applied over a base coat primer existing / newly made, including preparation of base plus scraping of existing paint etc. complete at any height as per drawing and as directed by the Engineer	Sft.	400 0	N /Q	N /Q	N/ Q	N/Q	12	48,000/
18	WATER PROOFING								
	Providing & applying in foundation and plinth for hot bitumen coating as per approved directed by Engineer								

19	PAVED AREA								
	Providing & laying Paver (Envicrete or equivalent) for cargo handling are as per approved make and shade including first leveling and dressing & water curing and compacting entire area after 6 inch stone soling, compaction with roller / compactor after compaction with providing and laying 6 inch 1:3:6 sement concrete bed. Before laying paver khaka (crush) bed 3 inch average complete in all respect (suitable for 8500 psi or above) and ready for use.	Sft.	240 00	N /Q	N /Q	N/ Q	N/Q	177	4,248,000/
20	STEEL GATE								
	Providing and fixing heavy duty (similar to existing gates)steel gate of flat iron sections of approved design with or without M.S. sheet covering including hold fast with rollers and track arrangement (lateral) including providing wicket shutter of required size with all accessories and locking arrangement complete as per direction of the Engineer	Kg	200 0	N /Q	N /Q	N/ Q	N/Q	100	200,000/
	ELECTRICAL WIRING								
21	Supply & installation of wiring of light point with 3x 1.5 sq.mm single core PVC insulated wires in 20 surface mounted complete in all respect from switch to point.	Nos.	20	N /Q	N /Q	N/ Q	N/Q	900	18,000/
22	Same as item # 1 but point to point	Nos.	10	N /Q	N /Q	N/ Q	N/Q	700	7,000/
23	Same as item No. 01, above but, exhaust fan point,or bracket fan complete in all respects.	Nos.	1	N /Q	N /Q	N/ Q	N/Q	800	800/
24	Providing & Installation of wall bracket fan complete with all fixing accessories,(Make: Pak Fan)	Nos.	6	N /Q	N /Q	N/ Q	N/Q	2,500	15,000/-
25	Providing & Installation of 12" size exhaust fans with louvers.(Millat fan ,Pak Fan,GFC)	Nos.	1	N /Q	N /Q	N/ Q	N/Q	2500	2,500/

26	Providing, wiring & circuits for light points from distribution board to respective switch boxes as shown on the drawing wired with 3x2.5mm ² S/C PVC insulated cable in 20mm dia PVC conduit or PVC channel at slab/wall/column, complete with all conduit & wiring accessories.	Nos	8	N /Q	N /Q	N/ Q	N/Q	2500	20,000/
27	Providing & wiring of 20 Amps 3 pin power socket outlet wired with 3x4mm ² PVC insulated cable in 25mm dia PVC conduit or PVC duct recessed in wall/floor, complete will all conduit & wiring accessories.	Nos	8	N /Q	N /Q	N/ Q	N/Q	2500	20,000/
28	Providing, fixing & connecting of CLIPSAL (E- Series) MK / Hager make 15 Amps, 3 pin switch socket outlet complete with appropriate size 1.5mm thick sheet steel back box recessed in wall.	Nos.	6	N /Q	N /Q	N/ Q	N/Q	800	4,800/
29	Providing & wiring of 5 Amps 3 pin power socket outlet wired with 3x2.5 mm ² PVC insulated cable in 25mm dia PVC conduit or PVC duct recessed in wall/floor, complete will all conduit & wiring accessories.	Nos.	6	N /Q	N /Q	N/ Q	N/Q	2000	12,000/
30	Providing, fixing & installation of CLIPSAL /MK/Hager make 5A 2/3 pin switch socket outlet. with 1.5 mm thick sheet back box complete with all accessories	Nos.	6	N /Q	N /Q	N/ Q	N/Q	500	3,000/
31	Providing & wiring of 20 Amps 3 pin power socket outlet wired with 3x2.5 mm ² PVC insulated cable in 25mm dia PVC conduit or PVC duct recessed in wall/floor, complete will all conduit & wiring accessories.	Nos.	8	N /Q	N /Q	N/ Q	N/Q	2000	16,000/
32	Same as item 13 but outlet to outlet	Nos.	3	N /Q	N /Q	N/ Q	N/Q	1000	3,000/

33	Providing installing & wiring for split unit form distribution board to respective switches or split unit with 2x6mm + 1x4mm S/C PVC cable in 25mm dia conduit, complete with all accessories including termination.	Nos	3	N /Q	N /Q	N/Q	N/Q	4000	12,000/
34	Distribution Board Supply, Installation, connection, of wires bales, and commissioning of distribution boards concealed type or to be installed on wall, made or 16 SWG M.S sheet with hinged door, handle, catcher, earthing bar and neutral link with necessary holes, nuts, bolt, all MCB's to be either HEAGER OR HITACHI (green lantern) brand.								
	Incoming								
	100 Amps TP MCCB 15 KA								
	100 Amps bus bar set.								
	Outgoing								
	20 Amps TP MCCB - 12 Nos.								
	06 -Amps TP MCCB - 12 Nos.								
	16/20/30/50 Amps SP MCBs								
Provision of space for future MCBs	Job	One	N /Q	N /Q	N/Q	N/Q	54860	54,860/	
35	FITTINGS/FIXTURES								
	Supply, Installation, testing and commissioning of following light fittings, ceiling, wall mounted made of MS body 22 SWG degreased and degusted with white enameled non yellowing paint. Complete with chokes, lamp holders, starters, power factor correction.								
	Surface mounted spotlight with 1 x 23 w Energy saver warm lamp. Complete with in respects.	Nos.	30	N /Q	N /Q	N/Q	N/Q	700	21,000/

36	LT POWER CABLE Supply at site, installation, testing and commissioning of PVC insulated non armored copper conductor cable 600/1000 Bolt grade manufactured by any one of the manufactures Pakistan Cable, pioneer or New age Cables in pre laid Conduits from nearest available Electrical Power point.								
a	4 Core 30 mm sq. Cable	Rft.	270	N /Q	N /Q	N/ Q	N/Q	900	243,000/
b	4 Core 16 mm sq. Cable	Rft.	120	N /Q	N /Q	N/ Q	N/Q	600	72,000/
37	EARTHING SYSTEM Providing and fixing earthing set with 2'x2'x1/8" copper plate buried in the ground at a depth or 12 feet or less if water comes out from the ground level (with salt and charcoal, or Earthing chemical Power) etc. making the pit 12 feet deep by excavation.	Job	One	N /Q	N /Q	N/ Q	N/Q	30,000	30,000/
38	Copper Test Link Supply, installation or sactionable copper test link in manhole made of copper plates on wall of manhole, brass nuts, bolts, washers, including cost of necessary material. Complete in all respect.	Job	One	N /Q	N /Q	N/ Q	N/Q	1000	1,000/
39	Provisioning and Installation Air Conditioning Units (Split type)								
	Following features, air purifying filter, air cleaner, speed cool, high energy efficiency, single phase, 220V, 50Hz, cooling capacity from high energy efficiency, single phase, 220V , 50Hz cooling capacity from 18000 BTU/Hr. energy efficiency ratio of 9BTU/Hr. x W, sound level indoor from 30 to 45 Db, refrigerant R22, outdoor unite to be electrolytic zinc steel sheet.								

	a) 1.5 ton or 18000 BTU / Hr.	Nos.	6	N /Q	N /Q	N/ Q	N/Q	45000	270,000/
40	1 1/2" dia., UPVC drain pipe concealed (leading from indoor unit) connected to 3" dia, main drain pipe for the indoor units, complete in all respects with UPVC bends, joints etc.								
	a) 1 1/2" drain pipe	Rft.	120	N /Q	N /Q	N/ Q	N/Q	200	24,000/
41	SEATING Providing, fabrication and installation of solid beech wood bench 18"dx18" hx 54"w with insets of first class foam seats covered with imported leatherite, wooden bench to be in clear lacquer polish finish as per approval of the PM.	Sets	4	N /Q	N /Q	N/ Q	N/Q	6000	24,000/
	TOTAL B.1								
B.2	<u>Construction of Pedestrian Screening and searching gate house at Gate # 1:</u>								
1	CIVIL WORKS								
	Dismantling / Removal works. Dismantling / removal (as per drawing) existing floor cutting and water & drainage line, entire electrical wirings, cable disposed off useless material / debris outside the municipal limits and stack usable material as delivered by Engineer, complete in all respect (contractor must be visit the site prior to quote the rates, salvage material to be return to client.	Job	1	N /Q	N /Q	N/ Q	N/Q	80,000	80,000/
2	EXCAVATION								
	Structural excavation for foundation and plinth beam etc, in any type of soil, disposal of surplus unsuitable material to outside the municipal limited, complete in all respect as directed by Engineer	Cft.	150 0	N /Q	N /Q	N/ Q	N/Q	19	28,500/

3	EARTH WORK								
	Structural excavation for foundation & Plinth Beam etc, in any type of soil, including at site for back filling in foundation, Plinth and under with approved suitable excavated material in layer not exceeding 6" in depth and compacting / watering and disposal of surplus unsuitable material to outside the municipal limits, complete as per specifications and as directed by Engineer.	Cft.	250 0	N /Q	N /Q	N/ Q	N/Q	34	85,000/
4	STONE SOLING 6"								
	Providing, laying compacting and laying 6" thick stone soling under R.C.C. foundation or floors complete in all respect as drawing and as director by Engineer	Sft.	100 0	N /Q	N /Q	N/ Q	N/Q	42	42,000/
5	PCC FLOORING								
	Providing, laying, compacting, leaving and curing etc, plain cement concerte (1:48) under RCC footing, foundations or beams etc. using 1" down graded crushed stone as coarse aggregate, approved local and complete in all respects as specified and as approved by Engineer.	Cft.	300	N /Q	N /Q	N/ Q	N/Q	140	42,000/
6	REINFORCEMENT WORK								
	Providing, cutting, Fabrication, place and tie in position wherever required with 20 SWG Binding wire. Tor Steel reinforcement including the cost of binding wire. Steel chairs, pins, spacers, un-specified laps. Wastage etc. Complete in all respect as per directed by Engineer	Ton	2.5	N /Q	N /Q	N/ Q	N/Q	100000	250,000/

7	R.C.C. CONCRETE WORKS								
	Providing and laying compacting, leveling, rodding, finishing and curing etc, reinforced structural cement concrete with min cube strength at 22 days as noted below, using SR cement and sand including vibrating manual and good quality wooden shuttering with removal having straight unbroken joints, and good workman ship A" class", as shown on drawings, specification and as approved by the consultant & directed by Engineer (Excluding the cost of steel reinforcement)								
7.1	R.C.C. Foundation- 3000 PSI	Cft.	220	N /Q	N /Q	N/ Q	N/Q	265	58,300/
7.2	Plinth Beam. 3000 PSI	Cft.	100	N /Q	N /Q	N/ Q	N/Q	310	31,000/
7.3	Columns – 4000 PSI	Cft.	100	N /Q	N /Q	N/ Q	N/Q	310	31,000/
7.4	Roof Slab / Beam. – 4000 PSI	Cft.	500	N /Q	N /Q	N/ Q	N/Q	320	160,000/
	RCC LINTEL								
	Providing and Placing in position precast RCC (1:2:4) lintel complete in all respects as directed by Engineer	Rft	40	N /Q	N /Q	N/ Q	N/Q	245	9,800/
8	PCC FLOORING								
	Providing & laying (1: 2: 4) cement concrete floor smooth finish 50 mm thick (Average) to be laid in pannels using glass strips or as per site including curing hacking of existing surface for bonding as per instruction of the consultant & directed by Engineer	Sft.	660	N /Q	N /Q	N/ Q	N/Q	42	27,720/

9	ROOF SCREEDING								
	Providing & laying 3" high plain concrete over roof using 1:3:6 ratio, to be laid in pannels of 5' x 4' and filled the 1/2" thick joints with bitumen & chempherd corners including smooth trowel finish curing and well sloping etc, complete in all respect as per drawing and directed Engineer	Sft.	660	N /Q	N /Q	N/ Q	N/Q	65	42,900/
10	MASONRY WORK / ENVICRETE BLOCKS								
	Providing and laying at any floor first class machine made block / hollow block masonry using 1:9 machine made blocks 1 000 Psi crushing straight or curved set in (1:6) cement sand mortar in super structure including curing, finishing racking out joints, scaffolding, lifting, hoisting etc, complete in all respect as per specifications, drawings and as directed by Engineer	Sft.	1200	N /Q	N /Q	N/ Q	N/Q	135	162,000/
11	DPC / Plinth Beam								
	Providing & laying DPC over plinth beam with sand cement and adhesive used as all respect directed by Engineer	Sft.	100	N /Q	N /Q	N/ Q	N/Q	75	7,500/

12	PLASTER WORK								
	Providing and laying 1/2" to 3/4" thick at roof and any floor at any height cement and plaster (1 : 4) to internal and external walls, making edges and corners including cost of fixing G.I. Expanded metal 8" wide at joint of R.C.C. members and block masonry works, preparation of surface before plastering finishing scaffolding curing etc. complete in all respect as specified and as approved by the consultant & directed by Engineer	Sft.	200 0	N /Q	N /Q	N/ Q	N/Q	42	84,000/
13	FLOORING								
	Providing / Laying 24"X24" Porcelain floor tiles at floor over 2" thick 1:4 cement mortar including grouting with matching grouting material, fixing of 4" high skirting of same tiles, leveling of floor before laying of tiles, complete in all respect as per satisfaction of Engineer	Sft.	700	N /Q	N /Q	N/ Q	N/Q	235	164,500/
14	ALUMINUM - DOOR WORK								
	Providing and fixing 12 mm thick clear glass door, with floor mounted imported door closer or GCC, and top pivot, including fixing 3" high 2 mm thick aluminum H section (Lucky Series D-48 A Page 46 of Lucky Product Catalogue) Champaign color + New star Japanese machine at top and bottom, with gasket, best quality stainless steel door handles, lick 1' – long straight (new star) polish of exposed edges, complete in all respects and as directed by the Engineer	Sft.	120	N /Q	N /Q	N/ Q	N/Q	950	114,000/

15	ALUMNIUM - OPENABLE SLIDING WINDOWS								
	Providing & fixing of openable aluminum windows panels using 5 mm thick imported clear glass, Box series sections of 1.6mm thickness product by (Lucky Box Series Page 21 and 23 of Lucky Product catalogue) including cost of imported roller, atches, handles locks and other hardware etc. with rubber gasket of approved quality, colour and design complete in all respect and directed by Engineer	Sft.	100	N /Q	N /Q	N/ Q	N/Q	550	55,000/
16	STEEL GRILL / DOOR & WINDOW								
	Providing and fixing of steel grill using M.S. 1-1/2" x 3/8" flat patti as external frame and solid squre bar 5/8" x 5/8" size @ 5" c/c as per drawing, including base coat of red oxide and three coats of matt enamel ICI complete in all respect or as directed by the Engineer	Sft.	200	N /Q	N /Q	N/ Q	N/Q	450	90,000/
17	PAINT WORK Providing and applying 3 coat of distember paint approved shade & pattern on internal surface, i.e walls, beams, slab etc. roller applied over a base coat primer existing / newly made, including preparation of base plus scraping of existing paint etc. complete at any height as per drawing and as directed by the Engineer	Sft.	200 0	N /Q	N /Q	N/ Q	N/Q	25	50,000/

18	TERMITE PROOFING								
	Provide and spray pesticide solution of approved manufacturer inside building line in staged i.e. in, on floor base and wood work. Pesticides to be mixed with clear water to produce 0.5% solution (0.3% for chloride Heptachlor) / all pesticide application to be carried out by specialist who will provide five years minimum guarantee for protection against termite and borer attack. Recommended manufacture: Jaffer Bros. Brand: Agenda oras directed by the Engineer	Sft.	700	N /Q	N /Q	N/ Q	N/Q	35	24,500/
19	WATER PROOFING								
	Providing & applying in foundation and plinth for hot bitumen coating as per approved directed by Engineer	Sft.	500	N /Q	N /Q	N/ Q	N/Q	42	21,000/
20	Construcation of toilet block	One	Job	N /Q	N /Q	N/ Q	N/Q	175,000	175,000/
	ELECTRICAL WIRING								
21	Supply & installation of wiring of light point with 3x 1.5 sq.mm single core PVC insulated wires in 20 surface mounted complete in all respect from switch to point.	Nos.	10	N /Q	N /Q	N/ Q	N/Q	1500	15,000/
22	Same as item # 1 but point to point	Nos.	10	N /Q	N /Q	N/ Q	N/Q	950	9,500
23	Same as item No. 01, above but, exhaust fan point,or bracket fan complete in all respects.	Nos.	1	N /Q	N /Q	N/ Q	N/Q	950	950
24	Providing & Installation of wall bracket fan complete with all fixing accessories,(Make: Pak Fan)	Nos.	4	N /Q	N /Q	N/ Q	N/Q	3500	14,000/
25	Providing & Installation of 12" size exhaust fans with louvers.(Millat fan ,Pak Fan,GFC)	Nos.	1	N /Q	N /Q	N/ Q	N/Q	3500	3,500/

26	Providing, wiring & circuits for light points from distribution board to respective switch boxes as shown on the drawing wired with 3x2.5mm ² S/C PVC insulated cable in 20mm dia PVC conduit or PVC channel at slab/wall/column, complete with all conduit & wiring accessories.	Nos	6	N /Q	N /Q	N/ Q	N/Q	4000	24,000/
27	Providing & wiring of 20 Amps 3 pin power socket outlet wired with 3x4mm ² PVC insulated cable in 25mm dia PVC conduit or PVC duct recessed in wall/floor, complete will all conduit & wiring accessories.	Nos	6	N /Q	N /Q	N/ Q	N/Q	4000	24,000/
28	Providing, fixing & connecting of CLIPSAL (E- Series) MK / Hager make 15 Amps, 3 pin switch socket outlet complete with appropriate size 1.5mm thick sheet steel back box recessed in wall.	Nos.	6	N /Q	N /Q	N/ Q	N/Q	950	5,700/
29	Providing & wiring of 5 Amps 3 pin power socket outlet wired with 3x2.5 mm ² PVC insulated cable in 25mm dia PVC conduit or PVC duct recessed in wall/floor, complete will all conduit & wiring accessories.	Nos.	6	N /Q	N /Q	N/ Q	N/Q	2800	16,800/
30	Providing, fixing & installation of CLIPSAL /MK/Hager make 5A 2/3 pin switch socket outlet. with 1.5 mm thick sheet back box complete with all accessories	Nos.	6	N /Q	N /Q	N/ Q	N/Q	750	4,500/
31	Providing & wiring of 20 Amps 3 pin power socket outlet wired with 3x2.5 mm ² PVC insulated cable in 25mm dia PVC conduit or PVC duct recessed in wall/floor, complete will all conduit & wiring accessories.	Nos.	6	N /Q	N /Q	N/ Q	N/Q	2700	16,200/
32	Same as item 13 but outlet to outlet	Nos.	3	N /Q	N /Q	N/ Q	N/Q	1300	3,900/

33	Providing installing & wiring for split unit form distribution board to respective switches or split unit with 2x6mm + 1x4mm S/C PVC cable in 25mm dia conduit, complete with all accessories including termination.	Nos	3	N /Q	N /Q	N/Q	N/Q	5500	16,500/
34	Distribution Board Supply, Installation, connection, of wires bales, and commissioning of distribution boards concealed type or to be installed on wall, made or 16 SWG M.S sheet with hinged door, handle, catcher, earthing bar and neutral link with necessary holes, nuts, bolt, all MCB's to be either HEAGER OR HITACHI (green lantern) brand.								
	Incoming								
	60 Amps TP MCCB 15 KA								
	60 Amps bus bar set.								
	Outgoing								
	20 Amps TP MCCB - 09 Nos.								
	06 -Amps TP MCCB - 09 Nos.								
	16/20/30/50 Amps SP MCBs								
Provision of space for future MCBs	Job	One	N /Q	N /Q	N/Q	N/Q	55000	55,000/	
35	FITTINGS/FIXTURES								
	Supply, Installation, testing and commissioning of following light fittings, ceiling, wall mounted made of MS body 22 SWG degreased and degusted with white enameled non yellowing paint. Complete with chokes, lamp holders, starters, power factor correction.								
	Surface mounted spotlight with 1 x 23 w Energy saver warm lamp. Complete with in respects.	Nos.	20	N /Q	N /Q	N/Q	N/Q	1200	24,000/

36	LT POWER CABLE Supply at site, installation, testing and commissioning of PVC insulated non armored copper conductor cable 600/1000 Bolt grade manufactured by any one of the manufactures Pakistan Cable, pioneer or New age Cables in pre laid Conduits from nearest available Electrical Power point.								
a	4 Core 30 mm sq. Cable	Rft.	150	N /Q	N /Q	N/ Q	N/Q	1200	180,000/
b	4 Core 16 mm sq. Cable	Rft.	100	N /Q	N /Q	N/ Q	N/Q	850	85,000/
37	EARTHING SYSTEM Providing and fixing earthing set with 2'x2'x1/8" copper plate buried in the ground at a depth or 12 feet or less it water comes out from the ground level (with salt and charcoal, or Earthing chemical Power) etc. making the pit 12 feet deep by excavation.	Job	One	N /Q	N /Q	N/ Q	N/Q	55000	55,000/
38	Copper Test Link Supply, installation or sactionable copper test link in manhole made of copper plates on wall of manhole, brass nuts, bolts, washers, including cost of necessary material. Complete in all respect.	Job	One					1500	1,500/
39	Provisioning and Installation Air Conditioning Units (Split type)								
	Following features, air purifying filter, air cleaner, speed cool, high energy efficiency, single phase, 220V, 50Hz, cooling capacity from high energy efficiency, single phase, 220V , 50Hz cooling capacity from 18000 BTU/Hr. energy efficiency ratio of 9BTU/Hr. x W, sound level indoor from 30 to 45 Db, refrigerant R22, outdoor unite to be electrolytic zinc steel sheet.								
	a) 1.5 ton or 18000 BTU / Hr.	Nos.	4	N /Q	N /Q	N/ Q	N/Q	70000	280,000/

40	1 1/2" dia., UPVC drain pipe concealed (leading from indoor unit) connected to 3" dia, main drain pipe for the indoor units, complete in all respects with UPVC bends, joints etc.								
	a) 1 1/2" drain pipe	Rft.	60	N /Q	N /Q	N/ Q	N/Q	300	18,000/
41	SEATING Providing, fabrication and installation of solid beech wood bench 18" dx18" hx 54"w with insets of first class foam seats covered with imported leatherite, wooden bench to be in clear lacquer polish finish as per approval of the PM.	Sets	2	N /Q	N /Q	N/ Q	N/Q	6000	12,000/
	TOTAL B.2								
B.3	<u>Construction of Pedestrian Screening and searching gate house at Gate No. 2</u>								
1	CIVIL WORKS								
	Dismantling / Removal works. Dismantling / removal (as per drawing) existing floor cutting and water & drainage line, entire electrical wirings, cable disposed off useless material / debris outside the municipal limits and stack usable material as delivered by Engineer, complete in all respect (contractor must be visit the site prior to quote the rates, salvage material to be return to client.	Job	1	N /Q	N /Q	N/ Q	N/Q	80000	80,000/
2	EXCAVATION								
	Structural excavation for foundation and plinth beam etc, in any type of soil, disposal of surplus unsuitable material to outside the municipal limited, complete in all respect as directed by Engineer	Cft.	150 0	N /Q	N /Q	N/ Q	N/Q	19	28,500/

3	EARTH WORK								
	Structural excavation for foundation & Plinth Beam etc, in any type of soil, including at site for back filling in foundation, Plinth and under with approved suitable excavated material in layer not exceeding 6" in depth and compacting / watering and disposal of surplus unsuitable material to outside the municipal limits, complete as per specifications and as directed by Engineer.	Cft.	250 0	N /Q	N /Q	N/ Q	N/Q	34	85,000/
4	STONE SOLING 6"								
	Providing, laying compacting and laying 6" thick stone soling under R.C.C. foundation or floors complete in all respect as drawing and as director by Engineer	Sft.	100 0	N /Q	N /Q	N/ Q	N/Q	42	42,000/
5	PCC FLOORING								
	Providing, laying, compacting, leaving and curing etc, plain cement concerte (1:48) under RCC footing, foundations or beams etc. using 1" down graded crushed stone as coarse aggregate, approved local and complete in all respects as specified and as approved by Engineer.	Cft.	300	N /Q	N /Q	N/ Q	N/Q	140	42,000/
6	REINFORCEMENT WORK								
	Providing, cutting, Fabrication, place and tie in position wherever required with 20 SWG Binding wire. Tor Steel reinforcement including the cost of binding wire. Steel chairs, pins, spacers, un-specified laps. Wastage etc. Complete in all respect as per directed by Engineer	Ton	2.5	N /Q	N /Q	N/ Q	N/Q	100000	250,000/

7	R.C.C. CONCRETE WORKS								
	Providing and laying compacting, leveling, rodding, finishing and curing etc, reinforced structural cement concrete with min cube strength at 22 days as noted below, using SR cement and sand including vibrating manual and good quality wooden shuttering with removal having straight unbroken joints, and good workman ship A" class", as shown on drawings, specification and as approved by the consultant & directed by Engineer (Excluding the cost of steel reinforcement)								
7.1	R.C.C. Foundation- 3000 PSI	Cft.	220	N /Q	N /Q	N/ Q	N/Q	265	58,300/
7.2	Plinth Beam. 3000 PSI	Cft.	100	N /Q	N /Q	N/ Q	N/Q	310	31,000/
7.3	Columns – 4000 PSI	Cft.	100	N /Q	N /Q	N/ Q	N/Q	310	31,000/
7.4	Roof Slab / Beam. – 4000 PSI	Cft.	500	N /Q	N /Q	N/ Q	N/Q	320	160,000/
	RCC LINTEL								
	Providing and Placing in position precast RCC (1:2:4) lintel complete in all respects as directed by Engineer	Rft	40	N /Q	N /Q	N/ Q	N/Q	245	9,800/
8	PCC FLOORING								
	Providing & laying (1: 2: 4) cement concrete floor smooth finish 50 mm thick (Average) to be laid in pannels using glass strips or as per site including curing hacking of existing surface for bonding as per instruction of the consultant & directed by Engineer	Sft.	N/ Q	N /Q	N/ Q	N/ Q		42	27,720/

9	ROOF SCREEDING								
	Providing & laying 3" high plain concrete over roof using 1:3:6 ratio, to be laid in pannels of 5' x 4' and filled the 1/2" thick joints with bitumen & chempherd corners including smooth trowel finish curing and well sloping etc, complete in all respect as per drawing and directed Engineer	Sft.	660	N /Q	N /Q	N/ Q	N/Q	65	42,900/
10	MASONRY WORK / ENVICRETE BLOCKS								
	Providing and laying at any floor first class machine made block / hollow block masonry using 1:9 machine made blocks 1 000 Psi crushing straight or curved set in (1:6) cement sand mortar in super structure including curing, finishing racking out joints, scaffolding, lifting, hoisting etc, complete in all respect as per specifications, drawings and as directed by Engineer	Sft.	1200	N /Q	N /Q	N/ Q	N/Q	135	162,000/
11	DPC / Plinth Beam								
	Providing & laying DPC over plinth beam with sand cement and adhesive used as all respect directed by Engineer	Sft.	100	N /Q	N /Q	N/ Q	N/Q	75	7,500/

12	PLASTER WORK								
	Providing and laying 1/2" to 3/4" thick at roof and any floor at any height cement and plaster (1 : 4) to internal and external walls, making edges and corners including cost of fixing G.I. Expanded metal 8" wide at joint of R.C.C. members and block masonry works, preparation of surface before plastering finishing scaffolding curing etc. complete in all respect as specified and as approved by the consultant & directed by Engineer	Sft.	200 0	N /Q	N /Q	N/ Q	N/Q	42	84,000/
13	FLOORING								
	Providing / Laying 24"X24" Porcelain floor tiles at floor over 2" thick 1:4 cement mortar including grouting with matching grouting material, fixing of 4" high skirting of same tiles, leveling of floor before laying of tiles, complete in all respect as per satisfaction of Engineer	Sft.	700	N /Q	N /Q	N/ Q	N/Q	235	164,500/
14	ALUMINUM - DOOR WORK								
	Providing and fixing 12 mm thick clear glass door, with floor mounted imported door closer or GCC, and top pivot, including fixing 3" high 2 mm thick aluminum H section (Lucky Series D-48 A Page 46 of Lucky Product Catalogue) Champaign color + New star Japanese machine at top and bottom, with gasket, best quality stainless steel door handles, lick 1' – long straight (new star) polish of exposed edges, complete in all respects and as directed by the Engineer	Sft.	120	N /Q	N /Q	N/ Q	N/Q	950	114,000/

15	ALUMNIUM - OPENABLE SLIDING WINDOWS								
	Providing & fixing of openable aluminum windows panels using 5 mm thick imported clear glass, Box series sections of 1.6mm thickness product by (Lucky Box Series Page 21 and 23 of Lucky Product catalogue) including cost of imported roller, atches, handles locks and other hardware etc. with rubber gasket of approved quality, colour and design complete in all respect and directed by Engineer	Sft.	100	N /Q	N /Q	N/ Q	N/Q	550	55,000/
16	STEEL GRILL / DOOR & WINDOW								
	Providing and fixing of steel grill using M.S. 1-1/2" x 3/8" flat patti as external frame and solid squre bar 5/8" x 5/8" size @ 5" c/c as per drawing, including base coat of red oxide and three coats of matt enamel ICI complete in all respect or as directed by the Engineer	Sft.	200	N /Q	N /Q	N/ Q	N/Q	450	90,000/
17	PAINT WORK								
	Providing and applying 3 coat of distember paint approved shade & pattern on internal surface, i.e walls, beams, slab etc. roller applied over a base coat primer existing / newly made, including preparation of base plus scraping of existing paint etc. complete at any height as per drawing and as directed by the Engineer	Sft.	200 0	N /Q	N /Q	N/ Q	N/Q	25	50,000/

18	TERMITE PROOFING								
	Provide and spray pesticide solution of approved manufacturer inside building line in staged i.e. in, on floor base and wood work. Pesticides to be mixed with clear water to produce 0.5% solution (0.3% for chloride Heptachlor) / all pesticide application to be carried out by specialist who will provide five years minimum guarantee for protection against termite and borer attack. Recommended manufacture: Jaffer Bros. Brand: Agenda oras directed by the Engineer	Sft.	700	N /Q	N /Q	N/ Q	N/Q	35	24,500/
19	WATER PROOFING								
	Providing & applying in foundation and plinth for hot bitumen coating as per approved directed by Engineer	Sft.	500	N /Q	N /Q	N/ Q	N/Q	42	21,000/
20	Construcation of toilet block	One	Job	N /Q	N /Q	N/ Q	N/Q	175,000	175,000/
	ELECTRICAL WIRING								
21	Supply & installation of wiring of light point with 3x 1.5 sq.mm single core PVC insulated wires in 20 surface mounted complete in all respect from switch to point.	Nos.	10	N /Q	N /Q	N/ Q	N/Q	1500	15,000/
22	Same as item # 1 but point to point	Nos.	10	N /Q	N /Q	N/ Q	N/Q	950	9,500/
23	Same as item No. 01, above but, exhaust fan point,or bracket fan complete in all respects.	Nos.	1	N /Q	N /Q	N/ Q	N/Q	950	950
24	Providing & Installation of wall bracket fan complete with all fixing accessories,(Make: Pak Fan)	Nos.	4	N /Q	N /Q	N/ Q	N/Q	3500	14,000/
25	Providing & Installation of 12" size exhaust fans with louvers.(Millat fan ,Pak Fan,GFC)	Nos.	1	N /Q	N /Q	N/ Q	N/Q	3500	3,500/

26	Providing, wiring & circuits for light points from distribution board to respective switch boxes as shown on the drawing wired with 3x2.5mm ² S/C PVC insulated cable in 20mm dia PVC conduit or PVC channel at slab/wall/column, complete with all conduit & wiring accessories.	Nos	6	N /Q	N /Q	N/Q	N/Q	4000	24,000/
27	Providing & wiring of 20 Amps 3 pin power socket outlet wired with 3x4mm ² PVC insulated cable in 25mm dia PVC conduit or PVC duct recessed in wall/floor, complete will all conduit & wiring accessories.	Nos	6	N /Q	N /Q	N/Q	N/Q	4000	24,000/
28	Providing, fixing & connecting of CLIPSAL (E- Series) MK / Hager make 15 Amps, 3 pin switch socket outlet complete with appropriate size 1.5mm thick sheet steel back box recessed in wall.	Nos.	6	N /Q	N /Q	N/Q	N/Q	950	5,700/
29	Providing & wiring of 5 Amps 3 pin power socket outlet wired with 3x2.5 mm ² PVC insulated cable in 25mm dia PVC conduit or PVC duct recessed in wall/floor, complete will all conduit & wiring accessories.	Nos.	6	N /Q	N /Q	N/Q	N/Q	2800	16,800/
30	Providing, fixing & installation of CLIPSAL /MK/Hager make 5A 2/3 pin switch socket outlet. with 1.5 mm thick sheet back box complete with all accessories	Nos.	6	N /Q	N /Q	N/Q	N/Q	750	4,500/
31	Providing & wiring of 20 Amps 3 pin power socket outlet wired with 3x2.5 mm ² PVC insulated cable in 25mm dia PVC conduit or PVC duct recessed in wall/floor, complete will all conduit & wiring accessories.	Nos.	6	N /Q	N /Q	N/Q	N/Q	2700	16,200/
32	Same as item 13 but outlet to outlet	Nos.	3	N /Q	N /Q	N/Q	N/Q	1300	3,900/

33	Providing installing & wiring for split unit form distribution board to respective switches or split unit with 2x6mm + 1x4mm S/C PVC cable in 25mm dia conduit, complete with all accessories including termination.	Nos	3	N /Q	N /Q	N/Q	N/Q	5500	16,500/
34	Distribution Board Supply, Installation, connection, of wires bales, and commissioning of distribution boards concealed type or to be installed on wall, made or 16 SWG M.S sheet with hinged door, handle, catcher, earthing bar and neutral link with necessary holes, nuts, bolt, all MCB's to be either HEAGER OR HITACHI (green lantern) brand.								
	Incoming								
	60 Amps TP MCCB 15 KA								
	60 Amps bus bar set.								
	Outgoing								
	20 Amps TP MCCB - 09 Nos.								
	06 -Amps TP MCCB - 09 Nos.								
	16/20/30/50 Amps SP MCBs								
Provision of space for future MCBs	Job	One	N /Q	N /Q	N/Q	N/Q	55000	55,000/	
35	FITTINGS/FIXTURES								
	Supply, Installation, testing and commissioning of following light fittings, ceiling, wall mounted made of MS body 22 SWG degreased and degusted with white enameled non yellowing paint. Complete with chokes, lamp holders, starters, power factor correction.								
	Surface mounted spotlight with 1 x 23 w Energy saver warm lamp. Complete with in respects.	Nos.	20	N /Q	N /Q	N/Q	N/Q	1200	24,000/

36	LT POWER CABLE Supply at site, installation, testing and commissioning of PVC insulated non armored copper conductor cable 600/1000 Bolt grade manufactured by any one of the manufactures Pakistan Cable, pioneer or New age Cables in pre laid Conduits from nearest available Electrical Power point.								
a	4 Core 30 mm sq. Cable	Rft.	150	N /Q	N /Q	N/ Q	N/Q	1200	180,000/
b	4 Core 16 mm sq. Cable	Rft.	100	N /Q	N /Q	N/ Q	N/Q	850	85,000/
37	EARTHING SYSTEM Providing and fixing earthing set with 2'x2'x1/8" copper plate buried in the ground at a depth or 12 feet or less if water comes out from the ground level (with salt and charcoal, or Earthing chemical Power) etc. making the pit 12 feet deep by excavation.	Job	One	N /Q	N /Q	N/ Q	N/Q	55000	55,000/
38	Copper Test Link Supply, installation or sactionable copper test link in manhole made of copper plates on wall of manhole, brass nuts, bolts, washers, including cost of necessary material. Complete in all respect.	Job	One	N /Q	N /Q	N/ Q	N/Q	1500	1,500/
39	Provisioning and Installation Air Conditioning Units (Split type)								
	Following features, air purifying filter, air cleaner, speed cool, high energy efficiency, single phase, 220V, 50Hz, cooling capacity from high energy efficiency, single phase, 220V , 50Hz cooling capacity from 18000 BTU/Hr. energy efficiency ratio of 9BTU/Hr. x W, sound level indoor from 30 to 45 Db, refrigerant R22, outdoor unite to be electrolytic zinc steel sheet.								
	a) 1.5 ton or 18000 BTU / Hr.	Nos.	4	N /Q	N /Q	N/ Q	N/Q	70000	280,000/

40	1 1/2" dia., UPVC drain pipe concealed (leading from indoor unit) connected to 3" dia, main drain pipe for the indoor units, complete in all respects with UPVC bends, joints etc.								
	a) 1 1/2" drain pipe	Rft.	60	N /Q	N /Q	N/ Q	N/Q	300	18,000/
41	SEATING Providing, fabrication and installation of solid beech wood bench 18" dx18" hx 54"w with insets of first class foam seats covered with imported leatherite, wooden bench to be in clear lacquer polish finish as per approval of the PM.	Sets	2	N /Q	N /Q	N/ Q	N/Q	6000	12,000/
	Total B2								
B.3	<u>Construction of Pedestrian Screening and searching gate house at Gate No. 2</u>								
1	CIVIL WORKS								
	Dismantling / Removal works. Dismantling / removal (as per drawing) existing floor cutting and water & drainage line, entire electrical wirings, cable disposed off useless material / debris outside the municipal limits and stack usable material as delivered by Engineer, complete in all respect (contractor must be visit the site prior to quote the rates, salvage material to be return to client.	Job	1					80,000	80,000
2	EXCAVATION								
	Structural excavation for foundation and plinth beam etc, in any type of soil, disposal of surplus unsuitable material to outside the municipal limited, complete in all respect as directed by Engineer	Cft.	150 0					19	28,500

3	EARTH WORK								
	Structural excavation for foundation & Plinth Beam etc, in any type of soil, including at site for back filling in foundation, Plinth and under with approved suitable excavated material in layer not exceeding 6" in depth and compacting / watering and disposal of surplus unsuitable material to outside the municipal limits, complete as per specifications and as directed by Engineer.	Cft.	250 0					34	85,000
4	STONE SOLING 6"								
	Providing, laying compacting and laying 6" thick stone soling under R.C.C. foundation or floors complete in all respect as drawing and as director by Engineer	Sft.	100 0					42	42,000
5	PCC FLOORING								
	Providing, laying, compacting, leaving and curing etc, plain cement concerte (1:48) under RCC footing, foundations or beams etc. using 1" down graded crushed stone as coarse aggregate, approved local and complete in all respects as specified and as approved by Engineer.	Cft.	300					140	42,000
6	REINFORCEMENT WORK								
	Providing, cutting, Fabrication, place and tie in position wherever required with 20 SWG Binding wire. Tor Steel reinforcement including the cost of binding wire. Steel chairs, pins, spacers, un-specified laps. Wastage etc. Complete in all respect as per directed by Engineer	Ton	2.5					100,000	250,000/

7	R.C.C. CONCRETE WORKS								
	Providing and laying compacting, leveling, rodding, finishing and curing etc, reinforced structural cement concrete with min cube strength at 22 days as noted below, using SR cement and sand including vibrating manual and good quality wooden shuttering with removal having straight unbroken joints, and good workman ship A" class", as shown on drawings, specification and as approved by the consultant & directed by Engineer (Excluding the cost of steel reinforcement)								
7.1	R.C.C. Foundation- 3000 PSI	Cft.	220					265	58,300
7.2	Plinth Beam. 3000 PSI	Cft.	100					310	31,000
7.3	Columns – 4000 PSI	Cft.	100					310	31,000
7.4	Roof Slab / Beam. – 4000 PSI	Cft.	500					320	160,000
	RCC LINTEL								
	Providing and Placing in position precast RCC (1:2:4) lintel complete in all respects as directed by Engineer	Rft	40					245	9,800
8	PCC FLOORING								
	Providing & laying (1: 2: 4) cement concrete floor smooth finish 50 mm thick (Average) to be laid in pannels using glass strips or as per site including curing hacking of existing surface for bonding as per instruction of the consultant & directed by Engineer	Sft.	660					42	27,720

9	ROOF SCREEDING								
	Providing & laying 3" high plain concrete over roof using 1:3:6 ratio, to be laid in pannels of 5' x 4' and filled the 1/2" thick joints with bitumen & chempherd corners including smooth trowel finish curing and well sloping etc, complete in all respect as per drawing and directed Engineer	Sft.	660					65	42,900
10	MASONRY WORK / ENVICRETE BLOCKS								
	Providing and laying at any floor first class machine made block / hollow block masonry using 1:9 machine made blocks 1 000 Psi crushing straight or curved set in (1:6) cement sand mortar in super structure including curing, finishing racking out joints, scaffolding, lifting, hoisting etc, complete in all respect as per specifications, drawings and as directed by Engineer	Sft.	120 0					135	162,000/
11	DPC / Plinth Beam								
	Providing & laying DPC over plinth beam with sand cement and adhesive used as all respect directed by Engineer	Sft.	100					75	7,500/
12	PLASTER WORK								
	Providing and laying 1/2" to 3/4" thick at roof and any floor at any height cement and plaster (1 : 4) to internal and external walls, making edges and corners including cost of fixing G.I. Expanded metal 8" wide at joint of R.C.C. members and block masonry works, preparation of surface before plastering finishing scaffolding curing etc. complete in all respect as specified and as approved by	Sft.	200 0					42	84,000

	the consultant & directed by Engineer								
13	FLOORING								
	Providing / Laying 24"X24" Porcelain floor tiles at floor over 2" thick 1:4 cement mortar including grouting with matching grouting material, fixing of 4" high skirting of same tiles, leveling of floor before laying of tiles, complete in all respect as per satisfaction of Engineer	Sft.	700					235	164,500
14	ALUMINUM - DOOR WORK								
	Providing and fixing 12 mm thick clear glass door, with floor mounted imported door closer or GCC, and top pivot, including fixing 3" high 2 mm thick aluminum H section (Lucky Series D-48 A Page 46 of Lucky Product Catalogue) Champaign color + New star Japanese machine at top and bottom, with gasket, best quality stainless steel door handles, 1' – long straight (new star) polish of exposed edges, complete in all respects and as directed by the Engineer	Sft.	120					950	114,000/

15	ALUMNIUM - OPENABLE SLIDING WINDOWS								
	Providing & fixing of openable aluminum windows panels using 5 mm thick imported clear glass, Box series sections of 1.6mm thickness product by (Lucky Box Series Page 21 and 23 of Lucky Product catalogue) including cost of imported roller, atches, handles locks and other hardware etc. with rubber gasket of approved quality, colour and design complete in all respect and directed by Engineer	Sft.	100					550	55,000/
16	STEEL GRILL / DOOR & WINDOW								
	Providing and fixing of steel grill using M.S. 1-1/2" x 3/8" flat patti as external frame and solid squre bar 5/8" x 5/8" size @ 5" c/c as per drawing, including base coat of red oxide and three coats of matt enamel ICI complete in all respect or as directed by the Engineer	Sft.	200					450	90,000/
17	PAINT WORK								
	Providing and applying 3 coat of distember paint approved shade & pattern on internal surface, i.e walls, beams, slab etc. roller applied over a base coat primer existing / newly made, including preparation of base plus scraping of existing paint etc. complete at any height as per drawing and as directed by the Engineer	Sft.	200 0					25	50,000/
18	TERMITE PROOFING								
	Provide and spray pesticide solution of approved manufacturer inside building line in staged i.e. in, on floor base and wood work. Pesticides to be mixed with clear water to produce 0.5% solution (0.3% for chloride Heptachlor) / all pesticide	Sft.	700					35	24,500/

	application to be carried out by specialist who will provide five years minimum guarantee for protection against termite and borer attack. Recommended manufacture: Jaffer Bros. Brand: Agenda oras directed by the Engineer								
19	WATER PROOFING								
	Providing & applying in foundation and plinth for hot bitumen coating as per approved directed by Engineer	Sft.	500					42	21,000/
20	Construction of toilet block	One	Job					175,000	175,000/
	ELECTRICAL WIRING								
21	Supply & installation of wiring of light point with 3x 1.5 sq.mm single core PVC insulated wires in 20 surface mounted complete in all respect from switch to point.	Nos.	10					1,500	15,000/
22	Same as item # 1 but point to point	Nos.	10					950	9,500
23	Same as item No. 01, above but, exhaust fan point,or bracket fan complete in all respects.	Nos.	1					950	9,500
24	Providing & Installation of wall bracket fan complete with all fixing accessories,(Make: Pak Fan)	Nos.	4					3,500	1,400
25	Providing & Installation of 12" size exhaust fans with louvers.(Millat fan ,Pak Fan,GFC)	Nos.	1					3,500	3,500
26	Providing, wiring & circuits for light points from distribution board to respective switch boxes as shown on the drawing wired with 3x2.5mm ² S/C PVC insulated cable in 20mm dia PVC conduit or PVC channel at slab/wall/column, complete with all conduit & wiring accessories.	Nos	6					4,000	24,000/

27	Providing & wiring of 20 Amps 3 pin power socket outlet wired with 3x4mm ² PVC insulated cable in 25mm dia PVC conduit or PVC duct recessed in wall/floor, complete will all conduit & wiring accessories.	Nos	6					4,000	24,000/
28	Providing, fixing & connecting of CLIPSAL (E- Series) MK / Hager make 15 Amps, 3 pin switch socket outlet complete with appropriate size 1.5mm thick sheet steel back box recessed in wall.	Nos.	6					950	5,700
29	Providing & wiring of 5 Amps 3 pin power socket outlet wired with 3x2.5 mm ² PVC insulated cable in 25mm dia PVC conduit or PVC duct recessed in wall/floor, complete will all conduit & wiring accessories.	Nos.	6					2,800	16,800/
30	Providing, fixing & installation of CLIPSAL /MK/Hager make 5A 2/3 pin switch socket outlet. with 1.5 mm thick sheet back box complete with all accessories	Nos.	6					750	4,500
31	Providing & wiring of 20 Amps 3 pin power socket outlet wired with 3x2.5 mm ² PVC insulated cable in 25mm dia PVC conduit or PVC duct recessed in wall/floor, complete will all conduit & wiring accessories.	Nos.	6					2,700	16,200
32	Same as item 13 but outlet to outlet	Nos.	3					1,300	3,900
33	Providing installing & wiring for split unit form distribution board to respective switches or split unit with 2x6mm + 1x4mm S/C PVC cable in 25mm dia conduit, complete with all accessories including termination.	Nos	3					5,500	16,500

34	Distribution Board Supply, Installation, connection, of wires bales, and commissioning of distribution boards concealed type or to be installed on wall, made or 16 SWG M.S sheet with hinged door, handle, catcher, earthing bar and neutral link with necessary holes, nuts, bolt, all MCB's to be either HEAGER OR HITACHI (green lantern) brand.								
	Incoming								
	60 Amps TP MCCB 15 KA								
	60 Amps bus bar set.								
	Outgoing								
	20 Amps TP MCCB - 09 Nos.								
	06 -Amps TP MCCB - 09 Nos.								
	16/20/30/50 Amps SP MCBs								
	Provision of space for future MCBs	Job	One					55,000	55,000
35	FITTINGS/FIXTURES								
	Supply, Installation, testing and commissioning of following light fittings, ceiling, wall mounted made of MS body 22 SWG degreased and degusted with white enameled non yellowing paint. Complete with chokes, lamp holders, starters, power factor correction.								
	Surface mounted spotlight with 1 x 23 w Energy saver warm lamp. Complete with in respects.	Nos.	20					1200	24,000
36	LT POWER CABLE Supply at site, installation, testing and commissioning of PVC insulated non armored copper conductor cable 600/1000 Bolt grade manufactured by any one of the manufactures Pakistan Cable, pioneer or New age Cables in pre laid Conduits from nearest available Electrical Power point.								
a	4 Core 30 mm sq. Cable	Rft.	150					1200	180,000

b	4 Core 16 mm sq. Cable	Rft.	100					850	85,000/
37	EARTHING SYSTEM Providing and fixing earthing set with 2'x2'x1/8" copper plate buried in the ground at a depth or 12 feet or less if water comes out from the ground level (with salt and charcoal, or Earthing chemical Power) etc. making the pit 12 feet deep by excavation.	Job	One					55,000	55,000
38	Copper Test Link Supply, installation or sactionable copper test link in manhole made of copper plates on wall of manhole, brass nuts, bolts, washers, including cost of necessary material. Complete in all respect.	Job	One					1,500	1,500
39	Provisioning and Installation Air Conditioning Units (Split type)								
	Following features, air purifying filter, air cleaner, speed cool, high energy efficiency, single phase, 220V, 50Hz, cooling capacity from high energy efficiency, single phase, 220V , 50Hz cooling capacity from 18000 BTU/Hr. energy efficiency ratio of 9BTU/Hr. x W, sound level indoor from 30 to 45 Db, refrigerant R22, outdoor unite to be electrolytic zinc steel sheet.								
	a) 1.5 ton or 18000 BTU / Hr.	Nos.	4					70,000	280,000
40	1 1/2" dia., UPVC drain pipe concealed (leading from indoor unit) connected to 3" dia, main drain pipe for the indoor units, complete in all respects with UPVC bends, joints etc.								
	a) 1 1/2" drain pipe	Rft.	60					70,000	280,000/

41	SEATING Providing, fabrication and installation of solid beech wood bench 18"dx18" hx 54"w with insets of first class foam seats covered with imported leatherite, wooden bench to be in clear lacquer polish finish as per approval of the PM.	Sets	2					6,000/	12,000/
	Total B3								13,120,000/

Hafiz Muhammad Sabir
Deputy Director/ Member

Muhammad Farooq
Deputy Director/ Member

Athar Hussain Khokhar
Deputy Director/ Member

Rizwan Tariq
Director/ Member

Anis Alam
Director General/ Chairman