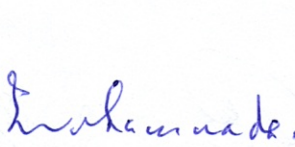


Comparative Statement
Upgradation & Modernization of Teaching Spaces (Class/Seminar Rooms) at IBA Main Campus
Tender # CW/29/25-26

				Engineer's Estimate		M/s. Khan Traders	
S.NO.	DESCRIPTION OF ITEM	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)	RATE (Rs.)	AMOUNT (Rs.)
(A) SCHEDULED 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						
(i)	Block masonry (Tabba Seminar room - MTS-7)	140.70	P. Cft	50.70	7,133.49	50.70	7,133.49
2	Full Body Matt Porcelain tiles (24" x 24")						
	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 U/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 Note: Approved tile brands are White Horse, Benitoz or Shabbir						
(i)	Aman CED Classroom (MCC-11)	530.00	P.Sft	439.57	232,972.10	439.57	232,972.10
TOTAL AMOUNT OF SCHEDULED BASED ITEMS (EXCL. PREMIUM/REBATE)				PKR	240,105.59	240,105.59	
PREMIUM/REBATE @				PKR		84,036.96	
(A) TOTAL AMOUNT OF SCHEDULED BASED ITEMS (INCL. PREMIUM/REBATE)				PKR		324,142.55	
B	NON-SCHEDULED RATE ITEMS (BASED ON PREVAILING MARKET RATES) General Note Applicable For All Relevant BOQ Items (Interior Finishing Works): 1- In the event that the basic price (which is inclusive of all taxes such as GST, Income Tax, etc., but exclusive of cartage) of an item has been given in the Bill of Quantities and the actual cost of sample approved is higher or lower than the price stipulated, the net difference of price (based on finished quantity) shall be added to or deleted from the Contractor's rate at actual + 12%. Some procedure will be followed in the case if the source of supply is given or type of material is given (e.g. PVC Skirting, etc.) or specific consumption of any material is given (e.g. concrete ratio, etc.), and they are changed. 2- In the event that the installed basic price (which is inclusive of all taxes such as GST, Income Tax, etc.) of an item has been given in the Bill of Quantities and the actual installed cost of sample approved is higher or lower than the price stipulated, the net difference of price (based on finished quantity) shall be added to or deleted from the Contractor's rate at actual + 12%. Some procedure will be followed in the case if the source of supply is given or type of material is given and they are changed. 3- All Glass to be Clear Float Glass of approved quality (Ghani, Taria Float Glass). 4- Gypsum board (Elephant or United). 5- MDF board (Lasani or approved equivalent). 6- Laminate board (Al-Noor Lasani or Patex) 7- Paint Work: 3 coats of matt enamel paint finish (Jatun, ICI or Berger) of approved shade. 8- Paint on all M.S. Work where shown: anti rust epoxy coating of approved manufacturer. 9- Expansion Bolts to be Fischer or approved equivalent. 10- Where basic price of marble / granite is given, it is for pre-polished granite with 6 sides chemical treatment (finish as approved) but excluding at edges & without rounding / beveling of edges. The cost of edge finishing, if required and rounding / beveling of edges, if required, is to be included in respective items of BOQ. 11- All works to be carried out after class timings (After 5 PM), prior information shall be given before execution of noisy activities (dismantling etc.) 12- Detailed work schedule shall be submitted prior to commencement of work. Execution shall be planned 1 block at a time.						

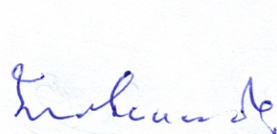
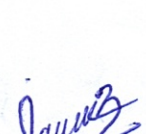
				
Muhammad Anwar Chairperson PC-A	Syed Akbar Hussain Kazmi Member PC-A	Muhammad Haris Qureshi External Member PC-A	Sadia Jabeen Asim External Member PC-A	Muhammad Rameez Member PC-A
Chief Librarian, IBA Karachi	Manager Finance, IBA Karachi	Procurement Specialist, HEJ	Senior Engineer (Civil), HEJ	Sr. Manager Projects, IBA Khi.

Comparative Statement

Upgradation & Modernization of Teaching Spaces (Class/Seminar Rooms) at IBA Main Campus

Tender # CW/29/25-26

				Engineer's Estimate		M/s. Khan Traders	
A	Shifting / Dismantling.						
	Dismantling of interior finishes including existing raised floor steps (Aman CED classroom only), wall panelling, electrical fixtures, HVAC diffusers, fire alarm devices and any other item required to be dismantled to complete the scope of work including shifting of door openings to outwards and Dismantling / Removing of existing construction such as existing frame / shutters, existing fixed tables including tools and equipments, all necessary precautionary measures, stacking useable materials at designated place, AC / Electrical / Plumbing or any other item which is required to be demolished / removed place for owner's property, carting away surplus, stuff, etc. from site complete in all respect. Note: Contractor should visit the site and take all necessary information before quoting the price and also share shop drawing and get it approved by the client/client representative and will submit in the final bill. client's representative will verify the dismantling with shop drawing before other work is started. All debris is to be shifted by the contractor out of the site area as instructed by the client.						
	i) Adamjee Classroom (MAC-1)	1	JOB	7,500.00	7,500.00	135,000.00	135,000.00
	ii) Adamjee Seminar room (MAS-2)	1	JOB	7,500.00	7,500.00	265,000.00	265,000.00
	iii) Aman CED Classroom (MCC-11)	1	JOB	25,000.00	25,000.00	125,000.00	125,000.00
	iv) Aman CED Seminar room (MCS-3)	1	JOB	7,500.00	7,500.00	165,000.00	165,000.00
	v) Tabba Classroom (MTC-16)	1	JOB	7,500.00	7,500.00	135,000.00	135,000.00
	vi) Tabba Seminar room (MTS-7)	1	JOB	22,000.00	22,000.00	215,000.00	215,000.00
B	Dismantling of Seminar room tables:						
	Dismantling of Seminar room tables of Tabba Seminar room including safe removal and handover to IBA staff including all necessary tools and hardware complete in all respect.						
	C.1 Tabba Seminar room (MTS-7)	1	Job	15,000.00	15,000.00	35,000.00	35,000.00
D	Cutting and repairing of tiles/granite:						
	Cutting and repairing of tiles/granite at specific locations for laying of PVC conduits width and depth depending upon size and number of conduits to be laid including all necessary tools, hardware complete in all respect.						
	i) Adamjee Classroom (MAC-1)	120	SFT	80.00	9,600.00	5.00	600.00
	ii) Adamjee Seminar room (MAS-2)	160	SFT	80.00	12,800.00	5.00	800.00
	iii) Aman CED Classroom (MCC-11)	72	SFT	80.00	5,760.00	5.00	360.00
	iv) Aman CED Seminar room (MCS-3)	180	SFT	80.00	14,400.00	5.00	900.00
	v) Tabba Classroom (MTC-16)	90	SFT	80.00	7,200.00	5.00	450.00
	vi) Tabba Seminar room (MTS-7)	107	SFT	80.00	8,560.00	5.00	535.00
1	Paint Work:						
	Matt Enamel Paint - Internal Surfaces.						
1.1	Provide and apply Matt Enamel paint (Jatun, ICI or Berger) minimum three coats of approved shade over a coat of primer to internal surfaces (Walls) prepared smooth with carborandum stone, filling the depression with putty including scaffolding, etc. complete in all respect as per specifications and drawings.						
a	MAKE: Jatun:						
	i) Adamjee Classroom (MAC-1)	450	SFT	110.00	49,500.00	95.00	42,750.00
	ii) Adamjee Seminar room (MAS-2)	350	SFT	110.00	38,500.00	95.00	33,250.00
	iii) Aman CED Classroom (MCC-11)	400	SFT	110.00	44,000.00	95.00	38,000.00
	iv) Aman CED Seminar room (MCS-3)	1050	SFT	110.00	115,500.00	95.00	99,750.00
	v) Tabba Classroom (MTC-16)	700	SFT	110.00	77,000.00	95.00	66,500.00
	vi) Tabba Seminar room (MTS-7)	600	SFT	110.00	66,000.00	95.00	57,000.00
b	ICI or Berger.						
	Rate Only		SFT	100.00		85.00	
2	Flooring & Skirting:						
	2.1 Porcelain Tile Flooring & Skirting (4" high).						

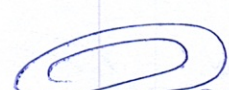
				
Muhammad Anwar Chairperson PC-A Chief Librarian, IBA Karachi	Syed Akbar Hussain Kazmi Member PC-A Manager Finance, IBA Karachi	Muhammad Haris Qureshi External Member PC-A Procurement Specialist, HEJ	Sadia Jabeen Asim External Member PC-A Senior Engineer (Civil), HEJ	Muhammad Rameez Member PC-A Sr. Manager Projects, IBA Khi.

Comparative Statement

Upgradation & Modernization of Teaching Spaces (Class/Seminar Rooms) at IBA Main Campus

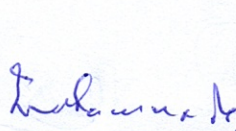
Tender # CW/29/25-26

			Engineer's Estimate		M/s. Khan Traders		
	Provide and lay full body Porcelain tile of approved sample & design (MAKE: White Horse, Benetoz or Shabbir) for flooring (Size: 600mmx600mm) with 1:4 cement sand mortar base of required thickness so as to achieve a minimum overall finished floor thickness of 30-40mm, setting the tiles with neat cement mortar, grouting the joints with waterproof grout & sealing the joints with approved sealer of Resichem or approved equivalent as per manufacturer's specifications & instructions, including curing, cleaning, cutting (cut to size, where required), lifting, hacking of existing surface for bonding where necessary, etc., complete in all respect as per specifications and drawings. Basic Price of Tiles shall be Rs. 3200.00 Per SM.						
i)	Aman CED Classroom (MCC-11)	530	SFT	290.00	153,700.00	50.00	26,500.00
2.2	Carpet Tile Flooring. Provide & lay in line and level imported carpet tiles in different areas with approved adhesive and minimum joint, including cutting, lifting, wastage, etc., complete in all respect as per drawing and instruction of the Architect. For payment net installed Carpeted floor area will be measured. Code: Milliken - Playangle Series Basic Price of Installed Carpet Tiles but on supply quantity shall be Rs. 950.00 Per SFT. Wastage factor should be added by contractor in his unit rate.						
i)	Adamjee Seminar room (MAS-2)	1225	SFT	1,200.00	1,470,000.00	450.00	551,250.00
ii)	Aman CED Seminar room (MCS-3)	1475	SFT	1,200.00	1,770,000.00	450.00	663,750.00
i)	Tabba Seminar room (MTS-7)	975	SFT	1,200.00	1,170,000.00	450.00	438,750.00
2.3	PVC Skirting. Provide and install in position 65mm high approved quality & sample heavy duty PVC skirting (Germany or approved equivalent) fixed with approved adhesive, cutting, wastage, etc., complete in all respect. Basic Price shall be Rs. 290.00/ RFT. For payment net running length of skirting will be measured.	Rate Only	RFT	395.00		750.00	
3	Claddings:						
3.1	PVC Fluted Panel Cladding. Provide and install in position PVC Fluted Panel Cladding, consisting of solignum treated partial wood internal framing of approved sections tie with walls. PVC Fluted Panels of approved sample fixed with approved adhesive on 12mm thick MDF Board backing fixed on wooden frame, including all hardwares, wastage, lifting, cutting, fixing etc., complete as per drawing & instruction of the Architect. Basic Price of fluted panels shall be Rs. 700.00 Per SFT.						
i)	Adamjee Classroom (MAC-1)	210	SFT	1,350.00	283,500.00	1,050.00	220,500.00
ii)	Adamjee Seminar room (MAS-2)	210	SFT	1,350.00	283,500.00	1,050.00	220,500.00
iii)	Aman CED Classroom (MCC-11)	120	SFT	1,350.00	162,000.00	1,050.00	126,000.00
iv)	Aman CED Seminar room (MCS-3)	125	SFT	1,350.00	168,750.00	1,050.00	131,250.00
v)	Tabba Classroom (MTC-16)	115	SFT	1,350.00	155,250.00	1,050.00	120,750.00
vi)	Tabba Seminar room (MTS-7)	75	SFT	1,350.00	101,250.00	1,050.00	78,750.00
3.2	Green Chalk Board Cladding / Sliding Panels. Provide and install in position Green Green Chalk Board Cladding, consisting of solignum treated partial wood frame of approved sections tie with walls, 12mm thick Green Chalk Board of approved sample with PVC lipping on edges fixed on wooden frame, including all hardwares, wastage, cutting, sliding mechanism of approved sample for sliding panels, lifting, etc., complete in all respect & instruction of the Architect. For payment net cladding area will be measured.						
i)	Adamjee Classroom (MAC-1)	230	SFT	550.00	126,500.00	950.00	218,500.00
ii)	Adamjee Seminar room (MAS-2)	230	SFT	550.00	126,500.00	950.00	218,500.00
iii)	Aman CED Classroom (MCC-11)	130	SFT	550.00	71,500.00	950.00	123,500.00
iv)	Aman CED Seminar room (MCS-3)	135	SFT	550.00	74,250.00	950.00	128,250.00
v)	Tabba Classroom (MTC-16)	125	SFT	550.00	68,750.00	950.00	118,750.00
vi)	Tabba Seminar room (MTS-7)	190	SFT	550.00	104,500.00	2,500.00	475,000.00
3.3	Glass Writing Surface. Provide and install in position Glass Writing Surface, consisting of 8mm thick Glass of approved sample fixed in between of 2" x 2 1/2" x Ceiling Height (3 Nos.) Solid Oak Wood Stud Post with approved Polish Finish , including all hardwares, wastage, cutting, lifting, etc., complete in all respect & instruction of the Architect. For payment net glass area will be measured.						

				
Muhammad Anwar Chairperson PC-A	Syed Akbar Hussain Kazmi Member PC-A	Muhammad Haris Qureshi External Member PC-A	Sadia Jabeen Asim External Member PC-A	Muhammad Rameez Member PC-A
Chief Librarian, IBA Karachi	Manager Finance, IBA Karachi	Procurement Specialist, HEJ	Senior Engineer (Civil), HEJ	Sr. Manager Projects, IBA Khi.

Comparative Statement
Upgradation & Modernization of Teaching Spaces (Class/Seminar Rooms) at IBA Main Campus
Tender # CW/29/25-26

				Engineer's Estimate		M/s. Khan Traders	
I)	Adamjee Classroom (MAC-1)	50	SFT	1,250.00	62,500.00	945.00	47,250.00
II)	Adamjee Seminar room (MAS-2)	72	SFT	1,250.00	90,000.00	945.00	68,040.00
III)	Aman CED Classroom (MCC-11)	50	SFT	1,250.00	62,500.00	945.00	47,250.00
IV)	Aman CED Seminar room (MCS-3)	72	SFT	1,250.00	90,000.00	945.00	68,040.00
V)	Tabba Classroom (MTC-16)	72	SFT	1,250.00	90,000.00	945.00	68,040.00
VI)	Tabba Seminar room (MTS-7)	72	SFT	1,250.00	90,000.00	945.00	68,040.00
3.4	Acoustic Upholstered Panels Cladding. Provide and install in position Acoustic Upholstered cladding, consisting of Acoustic Upholstered Panels of approved sample (Project fabric or approved equivalent) wrapped with approved adhesive on Foam Padding (Molly Foam or approved equivalent), 10mm thick soft board of approved sample fixed on 12mm thick commercial ply (Fire retardant paint inside) backing with epoxy filling & fiber tape on sheet joints, including all hardware, wastage, glues, lifting, scaffolding etc., complete as per drawing & instruction of the Architect. For payment net Acoustic Upholstered Panels area will be measured.						
I)	Adamjee Classroom (MAC-1)	220	SFT	675.00	148,500.00	1,150.00	253,000.00
II)	Adamjee Seminar room (MAS-2)	440	SFT	675.00	297,000.00	1,150.00	506,000.00
III)	Aman CED Classroom (MCC-11)	120	SFT	675.00	81,000.00	1,150.00	138,000.00
IV)	Aman CED Seminar room (MCS-3)	Rate Only	SFT	675.00		1,850.00	
V)	Tabba Classroom (MTC-16)	130	SFT	675.00	87,750.00	1,150.00	149,500.00
VI)	Tabba Seminar room (MTS-7)	240	SFT	675.00	162,000.00	1,150.00	276,000.00
4	Suspended Ceiling Work:						
4.1	Gypsum Board Ceiling Paint Finish. Provide and install in position Gypsum Board Ceiling, consisting of G.I. Sheet (24 SWG) internal framing tie with slab, solignum treated partial wood reinforcement of approved sections with 12mm x 16 SWG G.I. Hangers and 12mm x 12mm aluminum edgings as shown, 12mm thick Gypsum Board Sheet fixed on frame with approved Paint Finish , cutting of opening for light fixtures / diffusers with making of light pelmet, niches, ledge, fiber tape on joints, metal tape on edges, including 6mm dia threaded bar hangers, primer coat filling if required and all other hardware, shadow gap, aluminum trim, wastage, scaffolding, making access panel (where required), etc., complete in all respect. For payment exposed sheet surface area will be measured.						
I)	Adamjee Seminar room (MAS-2)	1000	SFT	500.00	500,000.00	1,250.00	1,250,000.00
II)	Aman CED Seminar room (MCS-3)	1200	SFT	500.00	600,000.00	1,250.00	1,500,000.00
III)	Tabba Seminar room (MTS-7)	800	SFT	500.00	400,000.00	1,250.00	1,000,000.00
4.2	PVC Fluted Panel Ceiling. Provide and install in position PVC Fluted Panel Ceiling, consisting of solignum treated partial wood internal framing of approved sections tie with slab, PVC Fluted Panels of approved sample fixed with approved adhesive on 12mm thick MDF Board backing fixed on wooden frame, including all hardware, wastage, lifting, cutting, scaffolding, fixing etc., complete as per drawing & instruction of the Architect. Basic Price of fluted panels shall be Rs. 700.00 Per SFT.						
I)	Adamjee Seminar room (MAS-2)	225	SFT	1,400.00	315,000.00	1,250.00	281,250.00
II)	Aman CED Seminar room (MCS-3)	275	SFT	1,400.00	385,000.00	1,250.00	343,750.00
III)	Tabba Seminar room (MTS-7)	175	SFT	1,400.00	245,000.00	1,250.00	218,750.00
5	Miscellaneous Work:						
5.1	Laminated MDF Board Open Shelving. Provide and install in position 6'-0" x 2'-0" deep Laminated MDF Board Open Shelving, consisting of solignum treated partial wood internal framing of approved sections (as shown), 20mm thick Laminated MDF Board for shelves with Solid Oak wood polish finish lipping on edges, including all hardware, edge making, S.S. Pegs, wastage, cutting, lifting, etc., complete in all respect & instruction of the Architect.						
I)	Aman CED Classroom (MCC-11)	3	NOS	12,500.00	37,500.00	25,000.00	75,000.00
II)	Tabba Classroom (MTC-16)	3	NOS	12,500.00	37,500.00	25,000.00	75,000.00
5.2	Laminated MDF Board Open Shelving. Provide and install in position 5'-2" x 2'-0" deep Laminated MDF Board Open Shelving, consisting of solignum treated partial wood internal framing of approved sections (as shown), 20mm thick Laminated MDF Board for shelves with Solid Oak wood polish finish lipping on edges, including all hardware, edge making, S.S. Pegs, wastage, cutting, lifting, etc., complete in all respect & instruction of the Architect.						

				
Muhammad Anwar Chairperson PC-A Chief Librarian, IBA Karachi	Syed Akbar Hussain Kazmi Member PC-A Manager Finance, IBA Karachi	Muhammad Haris Qureshi External Member PC-A Procurement Specialist, HEJ	Sadia Jabeen Asim External Member PC-A Senior Engineer (Civil), HEJ	Muhammad Rameez Member PC-A Sr. Manager Projects, IBA Khi.

Comparative Statement
Upgradation & Modernization of Teaching Spaces (Class/Seminar Rooms) at IBA Main Campus
Tender # CW/29/25-26

				Engineer's Estimate		M/s. Khan Traders	
I)	Aman CED Classroom (MCC-11)	3	NOS	10,000.00	30,000.00	45,000.00	135,000.00
5.3	Laminated MDF Board D.B. Cabinet. Provide and install in position 2'-0" x 1'-6" deep x 8'-0" high Laminated MDF Board Cabinet, consisting of solidum treated partial wood internal framing of approved sections (as shown), 12mm & 18mm thick Laminated MDF Board for structure, shutter & shelves with Solid Oak wood polish finish lipping on edges, including all hardwares, edge making, S.S. Handle, hinges, lockset, S.S. Pegs, wastage, cutting, lifting, etc., complete in all respect & instruction of the Architect.						
I)	Adamjee Classroom (MAC-1)	2	NOS	40,000.00	80,000.00	6,000.00	12,000.00
II)	Adamjee Seminar room (MAS-2)	2	NOS	40,000.00	80,000.00	6,000.00	12,000.00
(B) TOTAL AMOUNT OF NON-SCHEDULED BASED ITEMS (CIVIL WORKS)			PKR	11,034,992.10		11,868,305.00	
(I) TOTAL AMOUNT OF SCHEDULED + NON-SCHEDULED BASED ITEMS (CIVIL WORKS) (A+B)			PKR	11,275,097.69		12,192,447.55	

(II) BILL OF QUANTITIES FOR ELECTRICAL WORKS							
(AMAN CED BLOCK - CLASSROOM & SEMINAR ROOM)				Engineer's Estimate		M/s. Khan Traders	
S.No	DESCRIPTION	Qty	UNIT	RATE (Rs.)	AMOUNT (Rs.)	RATE (Rs.)	AMOUNT (Rs.)
SECTION - A							
WIRING / WIRING ACCESSORIES							
	Supply, installation, testing & commissioning of following items including specified wires, conduits, junction boxes, heavy duty porcelain / tool less imported connectors, all other relevant material, tools, labor & accessories required for completion of work as per description & drawings, complete in all respects. The Average quantity of each 'No.' shall be taken from drawings. Flexible Conduits, PVC Adaptors Should be provided. Flexible cables: o Single core, PVC insulated, non-sheathed cables BS 6004 o Sheathed flexible cords for wiring of luminaries (heat resistant) BS 6141 Cable color code (phase wise) shall be as follows: o 3 phase Phases (red, yellow, blue) Neutral (black) Earth (green) o 1 phase Phases (red) Neutral (black) Earth (green) o Control Wiring Orange or red						
1	Circuit wiring from DB to switch board/dimmer including any wiring from switch board to switch board with 2x2.5 Sq.mm + ECC 1x2.5 Sq.mm, 1-core PVC wires in 25mm dia of pvc conduit. (Avg Length: 12m)	4	No.	7,500.00	30,000.00	8,500.00	34,000.00
2	Wiring for light point from switch board / Dimmer board to first light point with 1.5 Sq.mm common neutral of 2.5 Sq.mm and common ECC 2.5 Sq.mm + wires in 25mm dia exposed PVC conduit as shown on drawings. (Avg Length: 8m)	12	No.	7,500.00	90,000.00	4,500.00	54,000.00
a	Same as above item but wiring from light point to point. (Avg Length: 6m)	40	No.	2,500.00	100,000.00	2,500.00	100,000.00
3	Wiring for Group Control light fixtures From DB to first light point with 2x2.5 Sq.mm + ECC 1x2.5 Sq.mm in 25mm dia exposed PVC conduit as shown on drawings. (Avg Length: 10m)	1	No.	6,800.00	6,800.00	3,500.00	3,500.00
a	Same as above item but from light point to point. (Avg Length: 3m)	2	No.	2,150.00	4,300.00	1,500.00	3,000.00
4	Emergency Circuit wiring from DB to switch board/dimmer including any wiring from switch board to switch board with 2x2.5 Sq.mm + ECC 1x2.5 Sq.mm, 1-core PVC wires in 25mm dia of pvc conduit. (Avg Length: 12m)	1	No.	7,500.00	7,500.00	16,500.00	16,500.00
5	Emergency Wiring for light point from switch board / Dimmer board to first light point with 1.5 Sq.mm common neutral of 2.5 Sq.mm and common ECC 2.5 Sq.mm + wires in 25mm dia exposed PVC conduit as shown on drawings. (Avg Length: 8m)	1	No.	5,500.00	5,500.00	4,500.00	4,500.00
a	Same as above item but wiring from light point to point. (Avg Length: 6m)	1	No.	4,000.00	4,000.00	2,500.00	2,500.00
6	Emergency Wiring for Group Control light fixtures From DB to first light point with 2x2.5 Sq.mm + ECC 1x2.5 Sq.mm in 25mm dia exposed PVC conduit as shown on drawings. (Avg Length: 10m)	1	No.	6,800.00	6,800.00	13,500.00	13,500.00

				
Muhammad Anwar Chairperson PC-A Chief Librarian, IBA Karachi	Syed Akbar Hussain Kazmi Member PC-A Manager Finance, IBA Karachi	Muhammad Haris Qureshi External Member PC-A Procurement Specialist, HEJ	Sadia Jabeen Asim External Member PC-A Senior Engineer (Civil), HEJ	Muhammad Rameez Member PC-A Sr. Manager Projects, IBA Khi.

Comparative Statement

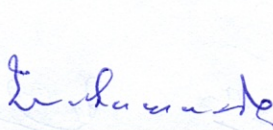
Upgradation & Modernization of Teaching Spaces (Class/Seminar Rooms) at IBA Main Campus

Tender # CW/29/25-26

				Engineer's Estimate		M/s. Khan Traders	
a	Same as above item but from light point to point. (Avg Length: 3m)	2	No.	2,150.00	4,300.00	6,500.00	13,000.00
7	Wiring of 13A/15A Switch Socket units (RAW Power) from DB to first outlet with following size of wires in 25mm dia PVC conduit. (Avg Length: m)						
a	2x4 Sq.mm + ECC 1x4 Sq.mm (Avg Length: 10m)	2	No.	10,500.00	21,000.00	22,500.00	45,000.00
b	Same as above item, but wiring from outlet to outlet. (Avg Length: 5m)	9	No.	5,500.00	49,500.00	8,500.00	76,500.00
8	Wiring of 13A Switch Socket units (UPS Power) from DB to first outlet with following size of wires in 25mm dia PVC conduit. (Avg Length: m)						
a	2x4 Sq.mm + ECC 1x4 Sq.mm (Avg Length: 12m)	1	No.	12,800.00	12,800.00	22,500.00	22,500.00
b	Same as above item, but wiring from outlet to outlet. (Avg Length: 10m)	3	No.	13,200.00	39,600.00	8,500.00	25,500.00
9	Wiring of Communication Rack 14A 3-PIN Industrial Socket from UDB to outlet with following size of wires in 32mm dia PVC conduit via Cable Tray.						
a	2x4 Sq.mm + ECC 1x4 Sq.mm (Avg Length: 8m)	1	No.	8,500.00	8,500.00	2,500.00	2,500.00
10	Wiring of UPS 32A 3-PIN Industrial Socket from DB to industrial Socket & Socket to DB following size of wires in 32mm dia PVC conduit via Cable Tray.						
a	3x6 Sq.mm (Avg Length: 8m)	Rate only	No.	12,500.00		45,000.00	
Total Amount (Rs.) Sec - A (CARRIED FORWARD TO SUMMARY)				PKR	390,600.00	416,500.00	

SECTION - B CABLE CONTAINMENT		Qty	UNIT	RATE (Rs.)	AMOUNT (Rs.)	RATE (Rs.)	AMOUNT (Rs.)
1	Supply & installation of following sizes PVC/UPVC Conduits including all accessories such as bends, sockets, j-boxes, flexible conduits, metal saddles etc. for Main / Sub Main Power, Telephone & Data Cables, concealed / surface on wall as per design drawings. Provide MS Pull boxes where ever required.						
a	25 mm dia PVC Conduit for CCTV, Data and other services.	30	Rm.	90.00	2,700.00	230.00	6,900.00
b	32 mm dia PVC Conduit	25	Rm.	110.00	2,750.00	245.00	6,125.00
c	38 mm dia PVC Conduit	1	Rm.	145.00	145.00	2,000.00	2,000.00
d	50 mm dia PVC Conduit	15	Rm.	230.00	3,450.00	265.00	3,975.00
e	38 mm dia UPVC Conduit (Class-D) (For main Cable)	15	Rm.	320.00	4,800.00	265.00	3,975.00
f	20 mm dia imported PVC flexible Conduit (Univolt etc.)	25	Rm.	55.00	1,375.00	160.00	4,000.00
g	32 mm dia imported PVC flexible Conduit (Univolt etc.)	30	Rm.	65.00	1,950.00	160.00	4,800.00
2	Supply and installation of M.S Floor Boxes (DAWIS) of 18 SWG sheet. Complete in all respects as per details and drawings.						
a	225mm x 225mm x 62.5mm (Floor Box With Out Faceplate) must be suitable for 13A simplex, 13A duplex Switch Socket, 1No. RJ-45 duplex face plate for Data/Voice.	1	No.	14,500.00	14,500.00	12,500.00	12,500.00
3	Supply and installation of Technology Box of 18 SWG sheet. Complete in all respects as per details and drawings.						
a	550mm x 225mm x 62.5mm (With Out Faceplate) must be suitable for 13A simplex, 13A duplex Switch Socket, 1No. RJ-45 duplex face plate for Data/Voice.	1	No.	16,500.00	16,500.00	8,500.00	8,500.00
4	Supply and installation of M.S Pull Box of 18 SWG sheet with S.S. Top Cover of 16 SWG sheet for carrying heavy weights. Complete in all respects as per details and drawings.						
a	200mm x 200mm x 62mm Pull Box	1	No.	8,500.00	8,500.00	12,500.00	12,500.00
Total Amount (Rs.) Sec - B (CARRIED FORWARD TO SUMMARY)				PKR	56,670.00	65,275.00	

SECTION - C SWITCHES & SOCKETS		Qty	UNIT	RATE (Rs.)	AMOUNT (Rs.)	RATE (Rs.)	AMOUNT (Rs.)
	Supply and installation of following 10 Amps, one-way gang type switches or 10/15/20 Amps socket outlets make including 16 SWG sheet steel back boxes recessed / surface on wall or as per design drawings. (Series Pieno or equivalent)						
1	10A, 220V One Gang Switch Unit Make: Schneider/Cipsal (Vivace/Piano Series)	Rate only	No.	750.00		3,500.00	
2	10A, 220V Two Gang Switch Unit Make: Schneider/Cipsal (Vivace/Piano Series)	3	No.	950.00	2,850.00	2,200.00	6,600.00
3	10A, 220V Three Gang Switch Unit Make: Schneider/Cipsal (Vivace/Piano Series)	1	No.	1,350.00	1,350.00	2,300.00	2,300.00
4	10A, 220V Four Gang Switch Unit Make: Schneider/Cipsal (Vivace/Piano Series)	1	No.	1,850.00	1,850.00	2,650.00	2,650.00

				
Muhammad Anwar Chairperson PC-A Chief Librarian, IBA Karachi	Syed Akbar Hussain Kazmi Member PC-A Manager Finance, IBA Karachi	Muhammad Haris Qureshi External Member PC-A Procurement Specialist, HEJ	Sadia Jabeen Asim External Member PC-A Senior Engineer (Civil), HEJ	Muhammad Rameez Member PC-A Sr. Manager Projects, IBA Khi.

Comparative Statement
Upgradation & Modernization of Teaching Spaces (Class/Seminar Rooms) at IBA Main Campus
Tender # CW/29/25-26

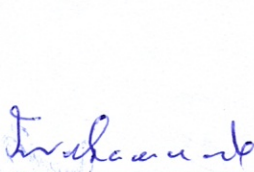
				Engineer's Estimate		M/s. Khan Traders	
5	13A, International Switch Socket unit Make: Schneider/Clipsal	10	No.	2,000.00	20,000.00	2,500.00	25,000.00
6	13A, International Switch Socket unit Counter Height Make: Schneider/Clipsal	4	No.	2,000.00	8,000.00	3,500.00	14,000.00
7	13A, Duplex Switch Socket Flat Pin Make: Schneider/Clipsal	2	No.	1,950.00	3,900.00	4,500.00	9,000.00
8	15A, International Switch Socket Normal Height Make: Schneider/Clipsal	Rate only	No.	2,500.00		6,500.00	
9	20A Round Pin Switch Socket Unit Make: Schneider/Clipsal	Rate only	No.	3,000.00		7,500.00	
10	16A 3-Pin Industrial Socket For Communication Rack Make: Schneider/Clipsal	1	No.	4,500.00	4,500.00	3,200.00	3,200.00
11	32A 3-Pin Industrial Socket For UPS Make: Schneider/Clipsal	Rate only	No.	6,500.00		15,000.00	
Total Amount (Rs.) Sec - C (CARRIED FORWARD TO SUMMARY)			PKR	42,450.00		62,750.00	

SECTION - D MAIN CABLES		Qty	UNIT	RATE (Rs.)	AMOUNT (Rs.)	RATE (Rs.)	AMOUNT (Rs.)
Supply, installation, testing and commissioning of following sizes of Main / Sub main Cables in already installed cable tray, conduit etc. including all accessories, lugs, glands etc. complete in all respect as shown on drawing.							
1	From Main Supply/Nearest Supply to Breaker Box 4C-6 Sqmm Cu/PVC/PVC + ECC 1 x 6 Sqmm Cu/PVC Note: Cable length is tentative. Actual will be measured on site.	20	Rm.	3,000.00	60,000.00	1,650.00	33,000.00
NOTE: Contractor is advised to confirm the cable size, running lengths and termination as per site conditions before commencement of work.							
Total Amount (Rs.) Sec - D (CARRIED FORWARD TO SUMMARY)			PKR	60,000.00		33,000.00	

SECTION - E DISTRIBUTION BOARDS		Qty	UNIT	RATE (Rs.)	AMOUNT (Rs.)	RATE (Rs.)	AMOUNT (Rs.)
Supply, installation, testing & commissioning of following Distribution Boards as shown on drawing made with 14 SWG sheet steel housing including all installation accessories such as Rawal bolt etc. Complete in all respects. Supply of all the accessories required for the installation are included.							
1	BREAKER BOX (AMAN CED BLOCK)	1.00	No.	75,000.00	75,000.00	35,000.00	35,000.00
Total Amount (Rs.) Sec - E (CARRIED FORWARD TO SUMMARY)			PKR	75,000.00		35,000.00	

SECTION - F LIGHTING FIXTURES		Qty	UNIT	RATE (Rs.)	AMOUNT (Rs.)	RATE (Rs.)	AMOUNT (Rs.)
Supply & installation of the following lighting fixture complete with ballast, starter p.f.i capacitor and specified lamps. Supply of all the accessories required for the installation of Light fixtures are included. Note: 2"x2" Chandle to be included. PFI=0.9 CRI>80% TO 90%							
1	CEILING MOUNTED MIN 20W LED CYLINDRICAL LIGHT WITH COLOR TEMP 4000K/5000K CRI 90% OR AS PER ARCHITECT	30	No.	4,000.00	120,000.00	4,500.00	135,000.00
2	LED LINEAR LIGHT 4FT MIN 35W WITH COLOR TEMP 4000K/5000K & CRI 80% OR AS PER ARCHITECT.	11	No.	11,500.00	126,500.00	8,500.00	93,500.00
3	MAINTAINED TYPE 10W EMERGENCY LIGHT WITH 2-HR BATTERY BACKUP	3	No.	9,500.00	28,500.00	7,500.00	22,500.00
4	CEILING MOUNTED MIN 20W LED SMD LIGHT WITH COLOR TEMP 4000K/5000K CRI 90% OR AS PER ARCHITECT	6	No.	3,500.00	21,000.00	3,850.00	23,100.00
5	CEILING MOUNTED MIN 40W LED PANEL LIGHT 2FT x 2FT WITH COLOR TEMP 4000K/5000K CRI 90% OR AS PER ARCHITECT	6	No.	8,500.00	51,000.00	10,500.00	63,000.00
Total Amount (Rs.) Sec - F (CARRIED FORWARD TO SUMMARY)			PKR	347,000.00		337,100.00	

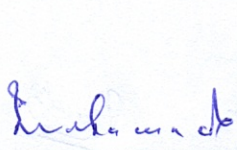
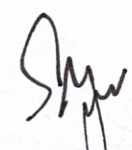
SECTION - G CONVENTIONAL FIRE ALARM CONTROL SYSTEM		Qty	UNIT	RATE (Rs.)	AMOUNT (Rs.)	RATE (Rs.)	AMOUNT (Rs.)
Supply installation, testing and commissioning of following items for Conventional Fire Alarm System comprising of following equipments including all accessories required for the completion of the system in all respects. (Note: 2Nos. Dry contact required for tripping mechanism)							

				
Muhammad Anwar Chairperson PC-A Chief Librarian, IBA Karachi	Syed Akbar Hussain Kazmi Member PC-A Manager Finance, IBA Karachi	Muhammad Haris Qureshi External Member PC-A Procurement Specialist, HEJ	Sadia Jabeen Asim External Member PC-A Senior Engineer (Civil), HEJ	Muhammad Rameez Member PC-A Sr. Manager Projects, IBA Khi.

Comparative Statement
Upgradation & Modernization of Teaching Spaces (Class/Seminar Rooms) at IBA Main Campus
Tender # CW/29/25-26

				Engineer's Estimate		M/s. Khan Traders	
	(Existing FACP Considered)	Rate only	No.				
1	Fire Alarm Control Panel of 1-Zone expendable upto 4-Zone having maximum 10 devices per zone. The FACP shall be self powered with built in 12V batteries for 24 Hrs backup with charging unit. It can be programmed using Windows based software for peripheral devices like display unit, printers etc. Complete in all respect. Integration Module is also required.					225,000.00	
2	Conventional Multi detector with base along with full functioning switching programming capabilities system as per specification & recommended of drawing / manufacturer with allied components with T&P etc Imported approved make/model or as approved by the engineer in-charge as required. The detector shall have built in short circuit isolators on both inputs. (Existing)	2	No.	11,500.00	23,000.00	14,500.00	29,000.00
3	Manual break glass call point unit along with housing and full functioning switching programming capabilities system as per specification & recommended of drawing / manufacturer with allied components with T&P etc Imported approved make/model or as approved by the engineer in-charge as required. 3 call point units are kept as spare to cater for additional requirement.	2	No.	7,500.00	15,000.00	13,500.00	27,000.00
4	Loop sounder with flashing light integrated base type of approved make complete as required. Sounders required to be activated only in the respective loop/ zone where fire is detected.	2	No.	9,500.00	19,000.00	5,000.00	10,000.00
5	Programming, testing and commissioning of the complete system as per client's requirements permissible for the FACP with training sessions of maintenance personnel.	1	Job	35,000.00	35,000.00	18,500.00	18,500.00
6	Supply, installation & wiring for FACP Power from DB to FACP with 2C 2.5 Sq.mm flexible cable in 25mm dia uPVC Conduit. Complete in all respect.	Rate Only	Rm.	360.00		1,250.00	
7	(Existing FACP Considered) END OF LINE RESISTOR	2	No.	1,000.00	2,000.00	14,500.00	29,000.00
8	Supply, installation & wiring for whole Fire Alarm System using 2C 1.5 Sq.mm Fire Resistant Shielded Cable (Fire Rating for 2 hours) in 25mm dia uPVC conduit from fire alarm control panel to all sensors & devices including all installation accessories complete in all respect.	45	Rm.	310.00	13,950.00	750.00	33,750.00
Note: 1) The Bidder shall provide the complete Technical Literature for the system offered. 2) Contractor is advised to confirm the cable running lengths and termination as per site conditions before commencement of work. 3) Installation work shall be under supervision of qualified engineer be a member of NFPA.							
Total Amount (Rs.) Sec - G			(CARRIED FORWARD TO SUMMARY)	PKR	107,950.00	147,250.00	

SECTION - H		Qty	UNIT	RATE (Rs.)	AMOUNT (Rs.)	RATE (Rs.)	AMOUNT (Rs.)
DATA & VOICE COMMUNICATION							
Supply, installation, testing and commissioning of following items for voice and data communication system including all material, labor, tools, accessories etc. Complete in all respects. Quantities for cables shown in BOQ are estimated and taken from drawings. Contractor is advised to take measurement at site before commencement of works. Different colors of voice and data cables shall be used.							
(Selected Series for Face plates is Corning or equivalent)							
1	Duplex Face plate with 1 No.RJ-45 I/O for Voice 1 No.RJ-45 I/O for Data(CAT-6) white / off white finish, complete with shuttered click-ins, labels and all accessories including 16 SWG sheet steel back box. Complete in all respects.	4	No	1,850.00	7,400.00	4,500.00	18,000.00
2	Simplex Face plate with 1 No.RJ-45 I/O (W/B) white / off white finish, complete with shuttered click-ins, labels and all accessories including 16 SWG sheet steel back box. Complete in all respects.	8	Nos	1,550.00	12,400.00	3,500.00	28,000.00
3	CAT-6 UTP Cables for Data, Voice & Wifi communication system from Com Rack to each workstation in already laid PVC Conduit as per drawings including termination and tagging at both ends. Complete in all respects. (305Rm./Coil) (Corning or equivalent)	1600	Rm.	280.00	448,000.00	35.00	56,000.00
4	4 Core, Multi Mode OM3 Fiber Optic Cable from Data Switch to Server including termination as per standard specifications, all termination accessories up to entire satisfaction of IT Engineer, in appropriate size of already installed PVC conduit / cable tray including testing.	Rate Only	Rm.			2,500.00	
5	Communication Rack SU (Floor Standing/Wall Mounted). Rack shall be equipped with power distribution units (PDUs).	Rate Only	No.			50,000.00	

				
Muhammad Anwar Chairperson PC-A Chief Librarian, IBA Karachi	Syed Akbar Hussain Kazmi Member PC-A Manager Finance, IBA Karachi	Muhammad Haris Qureshi External Member PC-A Procurement Specialist, HEJ	Sadia Jabeen Asim External Member PC-A Senior Engineer (Civil), HEJ	Muhammad Rameez Member PC-A Sr. Manager Projects, IBA Khi.

Comparative Statement

Upgradation & Modernization of Teaching Spaces (Class/Seminar Rooms) at IBA Main Campus

Tender # CW/29/25-26

				Engineer's Estimate		M/s. Khan Traders	
6	Following CAT-6, Patch Panels equipped with RJ-45 Tool Less I/Os for Voice and Data communication system with rear cable organizer including all labeling and all mounting accessories. Complete in all respects.						
a	08-port CAT-6 patch panel for Voice	Rate Only	No.			35,000.00	
7	Following CAT-6, Patch Panels equipped with RJ-45 Tool Less I/Os for Voice and Data communication system with rear cable organizer including all labeling and all mounting accessories. Complete in all respects.						
a	24-port CAT-6 patch panel (LOADED) for Data	1	No.	29,800.00	29,800.00	28,500.00	28,500.00
8	CAT-6 factory certified Patch Cords of specified color having RJ-45 connectors at both ends for Voice Communication.						
a	1 meter long.	Rate Only	No.			3,500.00	
9	CAT-6 factory certified Patch Cords of specified color having RJ-45 connectors at both ends for Data Communication.						
a	3 meter long.	3	No.	1,700.00	5,100.00	3,500.00	10,500.00
b	1 meter long.	16	No.	1,000.00	16,000.00	1,500.00	24,000.00
10	Front Cable Organizer for voice & data patch panels / wiring blocks with complete labeling and dressing for incoming cable management.	1	No.	4,000.00	4,000.00	6,500.00	6,500.00
11	Wifi Router or AS Per Client Requirement	Rate Only	No.			25,000.00	
12	Premium High Speed HDMI:						
a	Up to 8K resolution with high dynamic range (HDR) at up to 60Hz refresh rate (Minimum 15Meter Length With Both Ends Punched with Port).	3	No.	16,900.00	50,700.00	12,500.00	37,500.00
13	Testing and commissioning of all above items, termination and connectivity at both ends, including submission of detailed test report from the Principals.	1	Job	5,000.00	5,000.00	5,000.00	5,000.00
14	Allow for any other item or labour required for completion of system not covered in BOQ or specifications / drawings in accordance with the same standards and brands shown and	1	Job	2,000.00	2,000.00	25,000.00	25,000.00
Note: Contractor is advised to confirm the cable running lengths and termination as per site conditions before commencement of work.							
Active IT System will be under the scope of the client.							
Total Amount (Rs.) Sec - H (CARRIED FORWARD TO SUMMARY)			PKR	580,400.00		239,000.00	

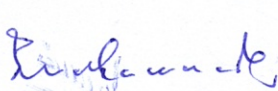
SECTION - I AS BUILT DRAWINGS		Qty	UNIT	RATE (Rs.)	AMOUNT (Rs.)	RATE (Rs.)	AMOUNT (Rs.)
1	Preparation of as-built drawings of all electrical and allied works after final approval from the consultant/client. Note: Submission of as-built drawings 2 sets after work completion of each floor and 3 sets & soft copy of complete electrical works after final commissioning of project. Approval of final bills are subject to completion of as built drawings.	2	NO.	65,000.00	130,000.00	15,000.00	30,000.00
Total Amount (Rs.) Sec - I (CARRIED FORWARD TO SUMMARY)			PKR	130,000.00		30,000.00	

SECTION - J DISMANTLING/REINSTALLATION WORKS		Qty	UNIT	RATE (Rs.)	AMOUNT (Rs.)	RATE (Rs.)	AMOUNT (Rs.)
1	Dismantling of existing work which include existing light, general wiring, switches, data points and sockets. Complete in all respect to complete the entire system.	1	Job	175,000.00	175,000.00	5,000.00	5,000.00
Total Amount (Rs.) Sec - J (CARRIED FORWARD TO SUMMARY)			PKR	175,000.00		5,000.00	

SECTION - K ACCESS PANELS		Qty	UNIT	RATE (Rs.)	AMOUNT (Rs.)	RATE (Rs.)	AMOUNT (Rs.)
1	Providing and installing 2'-0" x 2'-0" lockable type access panel made of powder-coated MS / aluminum frame with gypsum board infill (or as per ceiling type), complete with concealed hinges, locking arrangement, and all necessary hardware, fixed in false ceiling/wall as required, including cutting, frame support, finishing, and making good to match the surrounding surface.	6	No.	15,000.00	90,000.00	3,500.00	21,000.00
Total Amount (Rs.) Sec - K (CARRIED FORWARD TO SUMMARY)			PKR	90,000.00		21,000.00	

(II) TOTAL AMOUNT OF ELECTRICAL WORKS (AMAN CED CLASSROOM AND SEMINAR ROOM) A+B+C+D+E+F+G+H+I+J+K			PKR	2,055,070.00		1,391,875.00	
---	--	--	-----	--------------	--	--------------	--

(III) BILL OF QUANTITIES FOR TABBA BLOCK CLASSROOM AND SEMINAR ROOM			Engineer's Estimate		M/s. Khan Traders	
DESCRIPTION	Qty	UNIT	RATE (Rs.)	AMOUNT (Rs.)	RATE (Rs.)	AMOUNT (Rs.)
SECTION - A1						
WIRING / WIRING ACCESSORIES						







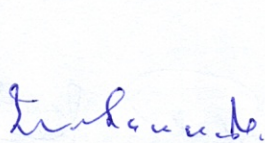
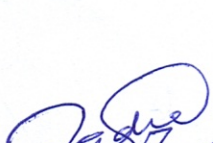
Muhammad Anwar Chairperson PC-A Chief Librarian, IBA Karachi	Syed Akbar Hussain Kazmi Member PC-A Manager Finance, IBA Karachi	Muhammad Haris Qureshi External Member PC-A Procurement Specialist, HEJ	Sadia Jabeen Asim External Member PC-A Senior Engineer (Civil), HEJ	Muhammad Rameez Member PC-A Sr. Manager Projects, IBA Khi.
--	---	---	---	--

Comparative Statement

Upgradation & Modernization of Teaching Spaces (Class/Seminar Rooms) at IBA Main Campus

Tender # CW/29/25-26

				Engineer's Estimate		M/s. Khan Traders	
	Supply, installation, testing & commissioning of following items including specified wires, conduits, junction boxes, heavy duty porcelain / tool less imported connectors, all other relevant material, tools, labor & accessories required for completion of work as per description & drawings, complete in all respects. The Average quantity of each 'No.' shall be taken from drawings. Flexible Conduits, PVC Adaptors Should be provided.						
	Flexible cables: o Single core, PVC insulated, non-sheathed cables BS 6004 o Sheathed flexible cords for wiring of luminaries (heat resistant) BS 6141 Cable color code (phase wise) shall be as follows: o 3 phase Phases (red, yellow, blue) Neutral (black) Earth (green) o 1 phase Phases (red) Neutral (black) Earth (green) o Circuit Wiring Orange or red						
1	Circuit wiring from DB to switch board/dimmer including any wiring from switch board to switch board with 2x2.5 Sq.mm + ECC 1x2.5 Sq.mm, 1-core PVC wires in 25mm dia of pvc conduit. (Avg Length: 12m)	4	No.	7,500.00	30,000.00	8,500.00	34,000.00
2	Wiring for light point from switch board / Dimmer board to first light point with 1.5 Sq.mm common neutral of 1.5 Sq.mm and common ECC 1.5 Sq.mm + wires in 25mm dia exposed PVC conduit as shown on drawings. (Avg Length: 8m)	16	No.	3,500.00	56,000.00	4,500.00	72,000.00
a	Same as above item but wiring from light point to point. (Avg Length: 4m)	25	No.	2,500.00	62,500.00	2,500.00	62,500.00
3	Wiring for Group Control light fixtures From DB to first light point with 2x2.5 Sq.mm + ECC 1x2.5 Sq.mm in 25mm dia exposed PVC conduit as shown on drawings. (Avg Length: 10m)	1	No.	6,800.00	6,800.00	3,500.00	3,500.00
a	Same as above item but from light point to point. (Avg Length: 3m)	2	No.	2,150.00	4,300.00	1,500.00	3,000.00
4	Emergency Circuit wiring from DB to switch board/dimmer including any wiring from switch board to switch board with 2x2.5 Sq.mm + ECC 1x2.5 Sq.mm, 1-core PVC wires in 25mm dia of pvc conduit. (Avg Length: 12m)	1	No.	7,500.00	7,500.00	16,500.00	16,500.00
5	Emergency Wiring for light point from switch board / Dimmer board to first light point with 1.5 Sq.mm common neutral of 2.5 Sq.mm and common ECC 2.5 Sq.mm + wires in 25mm dia exposed PVC conduit as shown on drawings. (Avg Length: 8m)	1	No.	5,500.00	5,500.00	4,500.00	4,500.00
a	Same as above item but wiring from light point to point. (Avg Length: 4m)	1	No.	4,000.00	4,000.00	2,500.00	2,500.00
6	Emergency Wiring for Group Control light fixtures From DB to first light point with 2x2.5 Sq.mm + ECC 1x2.5 Sq.mm in 25mm dia exposed PVC conduit as shown on drawings. (Avg Length: 10m)	1	No.	6,800.00	6,800.00	13,500.00	13,500.00
a	Same as above item but from light point to point. (Avg Length: 3m)	2	No.	2,150.00	4,300.00	6,500.00	13,000.00
7	Wiring of 13A/15A Switch Socket units (RAW Power) from DB to first outlet with following size of wires in 25mm dia PVC conduit. (Avg Length: m)						
a	2x4 Sq.mm + ECC 1x4 Sq.mm (Avg Length: 10m)	2	No.	10,500.00	21,000.00	22,500.00	45,000.00
b	Same as above item, but wiring from outlet to outlet. (Avg Length: 5m)	12	No.	5,500.00	66,000.00	8,500.00	102,000.00
8	Wiring of 13A Switch Socket units (UPS Power) from DB to first outlet with following size of wires in 25mm dia PVC conduit.						
a	2x4 Sq.mm + ECC 1x4 Sq.mm (Avg Length: 12m)	2	No.	12,800.00	25,600.00	22,500.00	45,000.00
b	Same as above item, but wiring from outlet to outlet. (Avg Length: 10m)	4	No.	10,500.00	42,000.00	8,500.00	34,000.00
9	Wiring of Communication Rack 16A 3-PIN Industrial Socket from UDB to outlet with following size of wires in 32mm dia PVC conduit via Cable Tray.						
a	2Cx4 Sq.mm + ECC 1x4 Sq.mm (Avg Length: 8m)	1	No.	8,500.00	8,500.00	22,500.00	22,500.00
10	Wiring of UPS 32A 3-PIN Industrial Socket from DB to Industrial Socket & Socket to DB following size of wires in 32mm dia PVC conduit via Cable Tray.						
a	3Cx6 Sq.mm (Avg Length: 8m)	Rate Only	No.	12,500.00		30,000.00	
Total Amount (Rs.) Sec - A1 (CARRIED FORWARD TO SUMMARY)			PKR	350,800.00		473,500.00	

				
Muhammad Anwar Chairperson PC-A Chief Librarian, IBA Karachi	Syed Akbar Hussain Kazmi Member PC-A Manager Finance, IBA Karachi	Muhammad Haris Qureshi External Member PC-A Procurement Specialist, HEJ	Sadia Jabeen Asim External Member PC-A Senior Engineer (Civil), HEJ	Muhammad Rameez Member PC-A Sr. Manager Projects, IBA Khi.

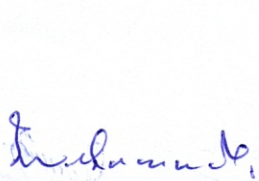
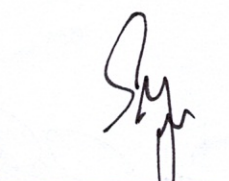
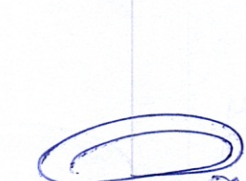
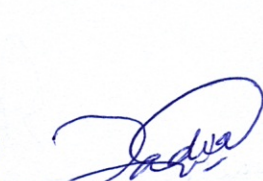
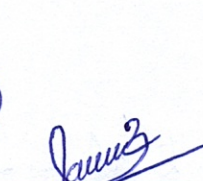
Comparative Statement
Upgradation & Modernization of Teaching Spaces (Class/Seminar Rooms) at IBA Main Campus
Tender # CW/29/25-26

				Engineer's Estimate		M/s. Khan Traders	
SECTION - B1				Qty	UNIT	RATE (Rs.)	AMOUNT (Rs.)
CABLE CONTAINMENT							
1	Supply & Installation of following sizes PVC/UPVC Conduits including all accessories such as bends, sockets, j-boxes, flexible conduits, metal saddles etc. for Main / Sub Main Power, Telephone & Data Cables, concealed / surface on wall as per design drawings. Provide MS Pull boxes where ever required.						
a	25 mm dia PVC Conduit for CCTV, Data and other services.	30	Rm.	90.00	2,700.00	230.00	6,900.00
b	32 mm dia PVC Conduit	20	Rm.	110.00	2,200.00	245.00	4,900.00
c	38 mm dia PVC Conduit	1	Rm.	145.00	145.00	2,000.00	2,000.00
d	50 mm dia PVC Conduit	15	Rm.	230.00	3,450.00	265.00	3,975.00
e	38 mm dia UPVC Conduit (Class-D) (For main Cable)	15	Rm.	320.00	4,800.00	265.00	3,975.00
f	20 mm dia Imported PVC flexible Conduit (Univolt etc.)	25	Rm.	55.00	1,375.00	160.00	4,000.00
g	32 mm dia Imported PVC flexible Conduit (Univolt etc.)	20	Rm.	65.00	1,300.00	160.00	3,200.00
2	Supply and Installation of M.S Floor Boxes(DAWIS) of 18 SWG sheet. Complete in all respects as per details and drawings.						
a	225mm x 225mm x 62.5mm (Floor Box With Out Faceplate) must be suitable for 13A simplex, 13A duplex Switch Socket, 1No. RJ-45 duplex face plate for Data/Voice.	1	No.	14,500.00	14,500.00	12,500.00	12,500.00
3	Supply and Installation of Technology Box of 18 SWG sheet. Complete in all respects as per details and drawings.						
a	550mm x 225mm x 62.5mm (With Out Faceplate) must be suitable for 2no. 13A simplex, 13A duplex Switch Socket, 1No. RJ-45 duplex face plate for Data/Voice.	1	No.	16,500.00	16,500.00	8,500.00	8,500.00
4	Supply and Installation of M.S Pull Box of 16 SWG sheet with S.S. Top Cover of 14 SWG sheet for carrying heavy weights. Complete in all respects as per details and drawings.						
a	200mm x 200mm x 62mm Pull Box	1	No.	8,500.00	8,500.00	12,500.00	12,500.00
Total Amount (Rs.) Sec - B1				PKR		55,470.00	62,450.00
(CARRIED FORWARD TO SUMMARY)							

SECTION - C1				Qty	UNIT	RATE (Rs.)	AMOUNT (Rs.)
SWITCHES & SOCKETS							
	Supply and Installation of following 10 Amps, one-way gang type switches or 10/13/15/20 Amps socket outlets make including 16 SWG sheet steel back boxes recessed / surface on wall or as per design drawings. (Series Plano or equivalent)						
1	10A, 220V One Gang Switch Unit Make: Schneider/Cipsal (Vivace/Plano Series)	Rate Only	No.			3,500.00	
2	10A, 220V Two Gang Switch Unit Make: Schneider/Cipsal (Vivace/Plano Series)	Rate Only	No.			3,800.00	
3	10A, 220V Three Gang Switch Unit Make: Schneider/Cipsal (Vivace/Plano Series)	4	No.	1,350.00	5,400.00	2,100.00	8,400.00
4	10A, 220V Four Gang Switch Unit Make: Schneider/Cipsal (Vivace/Plano Series)	1	No.	1,850.00	1,850.00	3,200.00	3,200.00
5	13A, International Switch Socket unit Make: Schneider/Cipsal	11	No.	2,000.00	22,000.00	1,850.00	20,350.00
6	13A, International Switch Socket unit Counter Height Make: Schneider/Cipsal	6	No.	2,000.00	12,000.00	2,250.00	13,500.00
7	13A, Duplex Switch Socket Flat Pin Make: Schneider/Cipsal	2	No.	1,950.00	3,900.00	2,500.00	5,000.00
8	16A 3-Pin Industrial Socket For Communication Rack Make: Schneider/Cipsal	1	No.	4,500.00	4,500.00	2,100.00	2,100.00
Total Amount (Rs.) Sec - C1				PKR		49,650.00	52,550.00
(CARRIED FORWARD TO SUMMARY)							

SECTION - D1				Qty	UNIT	RATE (Rs.)	AMOUNT (Rs.)	RATE (Rs.)	AMOUNT (Rs.)
MAIN CABLES									
	Supply, Installation, testing and commissioning of following sizes of Main / Sub main Cables in already installed cable tray, conduit etc. including all accessories, lugs, glands etc. complete in all respect as shown on drawing.								
1	From Main Supply/Nearest Supply To Breaker Box 4C-6 Sqmm Cu/PVC/PVC + ECC 1 x 6 Sqmm Cu/PVC Note: Cable length is tentative. Actual will be measured on Site.			20	Rm.	3,000.00	60,000.00	1,650.00	33,000.00
	NOTE: Contractor is advised to confirm the cable size, running lengths and termination as per site conditions before commencement of work.								
Total Amount (Rs.) Sec - D1 (CARRIED FORWARD TO SUMMARY)					PKR		60,000.00		33,000.00

SECTION - E1				Qty	UNIT	RATE (Rs.)	AMOUNT (Rs.)
DISTRIBUTION BOARDS							
	Supply, Installation, testing & commissioning of following Distribution Boards as shown on drawing made with 14 SWG sheet steel housing including all installation accessories such as Rawal bolt etc. Complete in all respects.						
	Supply of all the accessories required for the installation are included.						

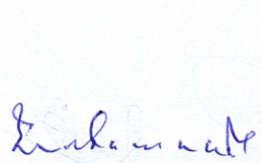
				
Muhammad Anwar Chairperson PC-A Chief Librarian, IBA Karachi	Syed Akbar Hussain Member PC-A Manager Finance, IBA Karachi	Muhammad Haris Qureshi External Member PC-A Procurement Specialist, HEJ	Sadia Jabeen Asim External Member PC-A Senior Engineer (Civil), HEJ	Muhammad Rameez Member PC-A Sr. Manager Projects, IBA Khi.

Comparative Statement
Upgradation & Modernization of Teaching Spaces (Class/Seminar Rooms) at IBA Main Campus
Tender # CW/29/25-26

				Engineer's Estimate		M/s. Khan Traders	
1	BREAKER BOX (TABBA BLOCK)	1	No.	75,000.00	75,000.00	25,000.00	25,000.00
Total Amount (Rs.) Sec - E1 (CARRIED FORWARD TO SUMMARY)				PKR	75,000.00	25,000.00	

SECTION - F1				Qty	UNIT	RATE (Rs.)	AMOUNT (Rs.)	RATE (Rs.)	AMOUNT (Rs.)
LIGHTING FIXTURES									
Supply & Installation of the following lighting fixture complete with ballast, starter p.t.i capacitor and specified lamps. Supply of all the accessories required for the installation of Light Fixtures are included. Note: 2"x2" Channle to be included. PFI=0.9 CRI>80% TO 90%									
1	CEILING MOUNTED MIN 20W LED CYLINDRICAL LIGHT WITH COLOR TEMP 4000K/5000K CRI 90% OR AS PER ARCHITECT	24	No.	4,500.00	108,000.00	4,500.00	108,000.00		
2	LED LINEAR LIGHT 4FT MIN 35W WITH COLOR TEMP 4000K/5000K & CRI 80% OR AS PER ARCHITECT	9	No.	11,500.00	103,500.00	8,500.00	76,500.00		
3	MAINTAINED TYPE MIN 10W EMERGENCY LIGHT WITH 2-HR BATTERY BACKUP	3	No.	9,500.00	28,500.00	5,500.00	16,500.00		
4	LED PANEL LIGHT 2FTx2FT MIN 40W WITH COLOR TEMP 4000K/5000K & CRI 90% OR AS PER ARCHITECT	8	No.	8,500.00	68,000.00	10,500.00	84,000.00		
Total Amount (Rs.) Sec - F1 (CARRIED FORWARD TO SUMMARY)				PKR		308,000.00		285,000.00	

SECTION - G1				Qty	UNIT	RATE (Rs.)	AMOUNT (Rs.)	RATE (Rs.)	AMOUNT (Rs.)
CONVENTIONAL FIRE ALARM CONTROL SYSTEM									
Supply installation, testing and commissioning of following items for Conventional Fire Alarm System comprising of following equipments including all accessories required for the completion of the system in all respects. (Note: 2Nos. Dry contact required for tripping mechanism)									
1	(Existing FACP Considered) Fire Alarm Control Panel of 1-Zone expendable upto 4-Zone having maximum 10 devices per zone. The FACP shall be self powered with built in 12V batteries for 24 Hr backup with charging unit. It can be programmed using Windows based software for peripheral devices like display unit, printer etc. Complete in all respect. Integration Module is also required.	Rate Only	No.	150,000.00		225,000.00			
2	Conventional Multi detector with base along with full functioning switching programming capabilities, system as per specification & recommended of drawing / manufacturer with allied components with T&P etc imported approved make/model or as approved by the engineer in-charge as required. The detector shall have built in short circuit isolators on both inputs. (Existing)	2	No.	11,500.00	23,000.00	14,500.00	29,000.00		
3	Manual brake glass call point unit along with housing and full functioning switching programming capabilities, system as per specification & recommended of drawing / manufacturer with allied components with T&P etc imported approved make/model or as approved by the engineer in-charge as required. 3 call point units are kept as spare/ to cater for additional requirement.	2	No.	7,500.00	15,000.00	22,500.00	45,000.00		
4	Loop sounder with flashing light integrated base type of approved make complete as required. Sounders required to be activated only in the respective loop/ zone where fire is detected.	2	No.	9,500.00	19,000.00	16,500.00	33,000.00		
5	Programming, testing and commissioning of the complete system as per client's requirements permissible for the FACP with training sessions of maintenance personnel.	1	Job	35,000.00	35,000.00	5,000.00	5,000.00		
6	Supply, installation & wiring for FACP Power from DB to FACP with 2C 2.5 Sq.mm flexible cable in 25mm dia uPVC Conduit. Complete in all respect. (Existing FACP Considered)	Rate Only	Rm.	360.00		1,250.00			
7	END OF LINE RESISTOR	Rate Only	No.			14,500.00			
8	Supply, installation & wiring for whole Fire Alarm System using 2C, 1.5 Sq.mm Fire Resistant Shielded Cable (Fire Rating for 2 hours) in 25mm dia uPVC conduit from fire alarm control panel to all sensors & devices including all installation accessories complete in all respect.	35	Rm.	310.00	10,850.00	750.00	26,250.00		
Note: 1) The Bidder shall provide the complete Technical Literature for the system offered. 2) Contractor is advised to confirm the cable running lengths and termination as per site conditions before commencement of work. 3) Installation work shall be under supervision of qualified engineer be a member of NFPA.									
Total Amount (Rs.) Sec - G1 (CARRIED FORWARD TO SUMMARY)				PKR		102,850.00		138,250.00	

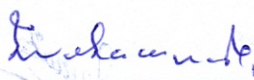
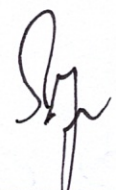
				
Muhammad Anwar Chairperson PC-A Chief Librarian, IBA Karachi	Syed Akbar Hussain Kazmi Member PC-A Manager Finance, IBA Karachi	Muhammad Haris Qureshi External Member PC-A Procurement Specialist, HEJ	Sadia Jabeen Asim External Member PC-A Senior Engineer (Civil), HEJ	Muhammad Rameez Member PC-A Sr. Manager Projects, IBA Khi.

Comparative Statement

Upgradation & Modernization of Teaching Spaces (Class/Seminar Rooms) at IBA Main Campus

Tender # CW/29/25-26

			Engineer's Estimate		M/s. Khan Traders	
SECTION - H1	Qty	UNIT	RATE (Rs.)	AMOUNT (Rs.)	RATE (Rs.)	AMOUNT (Rs.)
DATA & VOICE COMMUNICATION						
Supply, installation, testing and commissioning of following items for voice and data communication system including all material, labor, tools, accessories etc. Complete in all respects. Quantities for cables shown in BOQ are estimated and taken from drawings. Contractor is advised to take measurement at site before commencement of work. Different colors of voice and data cables shall be used. (Selected Series for face plates is Corning or equivalent)						
1 Duplex Face plate with 1 No. RJ-45 I/O for Voice 1 No. RJ-45 I/O for Data (CAT-4) white / off white finish, complete with shuttered click-ins, labels and all accessories including 16 SWG sheet steel back box. Complete in all respects.	4	No.	1,850.00	7,400.00	4,500.00	18,000.00
2 Simplex Face plate with 1 No. RJ-45 I/O (WII) white / off white finish, complete with shuttered click-ins, labels and all accessories including 16 SWG sheet steel back box. Complete in all respects.	8	No.	1,550.00	12,400.00	3,500.00	28,000.00
3 CAT-6 UTP Cables for Data, Voice & Wifi communication system from Com Rack to each workstation in already laid PVC Conduit as per drawings including termination and tagging at both ends. Complete in all respects. (305Rm/Col) (Corning or equivalent)	1440	Rm.	280.00	403,200.00	45.00	64,800.00
4 6 Core, Multi Mode OM3 Fiber Optic Cable From Data Switch to Server including termination as per standard specifications, all termination accessories up to entire satisfaction of IT Engineer, in appropriate size of already installed PVC conduit / cable tray including testing.	Rate Only	Rm.			625.00	
5 Communication Rack 5U (Floor Standing/Wall Mounted). Rack shall be equipped with power distribution units (PDUs).	Rate Only	No.			50,000.00	
6 Following CAT-4, Patch Panels equipped with RJ-45 Tool Less I/Os for Voice and Data communication system with rear cable organizer including all labeling and all mounting accessories. Complete in all respects.						
a 8-port CAT-4 patch panel for Voice	Rate Only	No.			35,000.00	
7 Following CAT-4, Patch Panels equipped with RJ-45 Tool Less I/Os for Voice and Data communication system with rear cable organizer including all labeling and all mounting accessories. Complete in all respects.						
A 24-port CAT-4 patch panel (LOADED) for Data	1	No.	29,800.00	29,800.00	35,000.00	35,000.00
8 CAT-6 factory certified Patch Cords of specified color having RJ-45 connectors at both ends for Voice Communication.						
A 1 meter long.	Rate Only	No.			4,500.00	
9 CAT-6 factory certified Patch Cords of specified color having RJ-45 connectors at both ends for Data Communication.						
a 3 meter long.	3	No.	1,700.00	5,100.00	2,500.00	7,500.00
b 1 meter long.	16	No.	1,000.00	16,000.00	1,500.00	24,000.00
10 Front Cable Organizer for voice & data patch panels / wiring blocks with complete labeling and dressing for incoming cable management.	1	No.	4,000.00	4,000.00	8,500.00	8,500.00
11 Premium High Speed HDMI:						
a Up to 8K resolution with high dynamic range (HDR) at up to 60Hz refresh rate (Minimum 1.5 Meter Length With Both Ends Punched With Port).	3	No.	16,900.00	50,700.00	12,500.00	37,500.00
12 Testing and commissioning of all above items, termination and connectivity at both ends, including submission of detailed test report from the Principals.	1	Job	5,000.00	5,000.00	15,000.00	15,000.00
13 Allow for any other item or labour required for completion of system not covered in BOQ or specifications / drawings in accordance with the same standards and brands shown and approved by consultant. All such items shall be covered in this item but complete description, item rates, quantity required and brands shall be mentioned separately and to be attached with the BOQ.	1	Job	2,000.00	2,000.00	25,000.00	25,000.00
Note: Contractor is advised to confirm the cable running lengths and termination as per site conditions before commencement of work. Active IT System will be under the scope of the client.						
Total Amount (Rs.) Sec - H1 (CARRIED FORWARD TO SUMMARY)		PKR		535,600.00		263,300.00
SECTION - I1						
AS BUILT DRAWINGS						
1 Preparation of as-built drawings of all electrical and allied works after final approval from the consultant/client. Note: Submission of as-built drawings 2 sets after work completion of each floor and 3 sets & soft copy of complete electrical works after final commissioning of project. Approval of final bills are subject to completion of as built drawings.	2	No.	65,000.00	130,000.00	5,000.00	10,000.00
Total Amount (Rs.) Sec - I1 (CARRIED FORWARD TO SUMMARY)		PKR		130,000.00		10,000.00




Muhammad Anwar Chairperson PC-A Chief Librarian, IBA Karachi	Syed Akbar Hussain Kazmi Member PC-A Manager Finance, IBA Karachi	Muhammad Haris Qureshi External Member PC-A Procurement Specialist, HEJ	Sadia Jabeen Asim External Member PC-A Senior Engineer (Civil), HEJ	Muhammad Rameez Member PC-A Sr. Manager Projects, IBA Khi.
--	---	---	---	--

Comparative Statement
Upgradation & Modernization of Teaching Spaces (Class/Seminar Rooms) at IBA Main Campus
Tender # CW/29/25-26

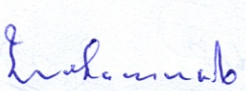
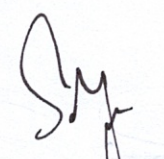
Engineer's Estimate	M/s. Khan Traders
---------------------	-------------------

SECTION - J1 DISMANTLING/REINSTALLATION WORKS		Qty	UNIT	RATE (Rs.)	AMOUNT (Rs.)	RATE (Rs.)	AMOUNT (Rs.)
1	Dismantling of existing work which include existing light, general wiring, switch, Data points and sockets. Complete in all respect to complete the entire system.	1	Job	175,000.00	175,000.00	5000	5,000.00
Total Amount (Rs.) Sec - J1 (CARRIED FORWARD TO SUMMARY)				PKR	175,000.00		5,000.00

SECTION - K1 ACCESS PANELS		Qty	UNIT	RATE (Rs.)	AMOUNT (Rs.)	RATE (Rs.)	AMOUNT (Rs.)
1	Providing and installing 2'-0" x 2'-0" lockable type access panel made of powder-coated MS / aluminum frame with gypsum board infill (or as per ceiling type), complete with concealed hinges, locking arrangement, and all necessary hardware, fixed in false ceiling/wall as required, including cutting, frame support, finishing, and making good to match the surrounding surface	6	Nos.	15,000.00	90,000.00	3,500.00	21,000.00
Total Amount (Rs.) Sec - K1 (CARRIED FORWARD TO SUMMARY)				PKR	90,000.00		21,000.00

(III) TOTAL AMOUNT OF ELECTRICAL WORKS (TABBA CLASSROOM AND SEMINAR ROOM) A1+B1+C1+D1+E1+F1+G1+H1+I1+J1+K1	PKR	1,932,370.00	1,369,050.00
--	-----	--------------	--------------

(IV) SUMMARY OF COST FOR ADAMJEE BLOCK CLASSROOM & SEMINAR ROOM				Engineer's Estimate		M/s. Khan Traders	
DESCRIPTION		Qty	UNIT	RATE (Rs.)	AMOUNT (Rs.)	RATE (Rs.)	AMOUNT (Rs.)
SECTION - A2 WIRING / WIRING ACCESSORIES							
	Supply, installation, testing & commissioning of following items including specified wires, conduits, junction boxes, heavy duty porcelain / lost less imported connectors, all other relevant material, tools, labor & accessories required for completion of work as per description & drawings, complete in all respects. The Average quantity of each 'No.' shall be taken from drawings. Flexible Conduits, PVC Adaptors Should be provided. Flexible cables: o Single core, PVC insulated, non-sheathed cables BS 6804 o Sheathed flexible cords for wiring of luminaires (heat resistant) BS 6141 Cable color code (phase wise) shall be as follows: o 3 phase Phases (red, yellow, blue) Neutral (black) Earth (green) o 1 phase Phases (red) Neutral (black) Earth (green) o Control Wiring Orange or red						
1	Circuit wiring from DB to switch board/dimmer including any wiring from switch board to switch board with 2x2.5 Sq.mm + ECC 1x2.5 Sq.mm, 1-core PVC wires in 25mm dia of pvc conduit. (Avg Length: 12m)	4	No.	7,500.00	30,000.00	8,500.00	34,000.00
2	Wiring for light point from switch board / Dimmer board to first light point with 1.5 Sq.mm common neutral of 2.5 Sq.mm and common ECC 2.5 Sq.mm + wires in 25mm dia exposed PVC conduit as shown on drawings. (Avg Length: 6m)	12	No.	7,500.00	90,000.00	4,500.00	54,000.00
a	Same as above item but wiring from light point to point. (Avg Length: 5m)	60	No.	2,500.00	150,000.00	2,500.00	150,000.00
3	Wiring for Group Control light fixtures From DB to first light point with 2x2.5 Sq.mm + ECC 1x2.5 Sq.mm in 25mm dia exposed PVC conduit as shown on drawings. (Avg Length: 10m)	1	No.	6,800.00	6,800.00	3,500.00	3,500.00
a	Same as above item but from light point to point. (Avg Length: 3m)	2	No.	2,150.00	4,300.00	1,500.00	3,000.00
4	Emergency Circuit wiring from DB to switch board/dimmer including any wiring from switch board to switch board with 2x2.5 Sq.mm + ECC 1x2.5 Sq.mm, 1-core PVC wires in 25mm dia of pvc conduit. (Avg Length: 12m)	1	No.	7,500.00	7,500.00	16,500.00	16,500.00
5	Emergency Wiring for light point from switch board / Dimmer board to first light point with 1.5 Sq.mm common neutral of 2.5 Sq.mm and common ECC 2.5 Sq.mm + wires in 25mm dia exposed PVC conduit as shown on drawings. (Avg Length: 8m)	1	No.	5,500.00	5,500.00	4,500.00	4,500.00
a	Same as above item but wiring from light point to point. (Avg Length: 6m)	1	No.	4,000.00	4,000.00	2,500.00	2,500.00
6	Emergency Wiring for Group Control light fixtures From DB to first light point with 2x2.5 Sq.mm + ECC 1x2.5 Sq.mm in 25mm dia exposed PVC conduit as shown on drawings. (Avg Length: 10m)	Rate Only	No.	6,800.00		2,500.00	
a	Same as above item but from light point to point. (Avg Length: 3m)	Rate Only	No.	2,150.00		5,000.00	

				
Muhammad Anwar Chairperson PC-A Chief Librarian, IBA Karachi	Syed Akbar Hussain Kazmi Member PC-A Manager Finance, IBA Karachi	Muhammad Haris Qureshi External Member PC-A Procurement Specialist, HEJ	Sadia Jabeen Asim External Member PC-A Senior Engineer (Civil), HEJ	Muhammad Rameez Member PC-A Sr. Manager Projects, IBA Khi.

Comparative Statement

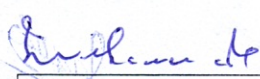
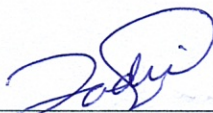
Upgradation & Modernization of Teaching Spaces (Class/Seminar Rooms) at IBA Main Campus

Tender # CW/29/25-26

				Engineer's Estimate		M/s. Khan Traders	
7	Wiring of 13A/15A Switch Socket units (RAW Power) from DB to first outlet with following size of wires in 25mm dia PVC conduit. (Avg Length: m)						
a	2x4 Sq.mm + ECC 1x4 Sq.mm (Avg Length: 10m)	2	No.	10,500.00	21,000.00	22,500.00	45,000.00
b	Same as above item, but wiring from outlet to outlet. (Avg Length: 5m)	9	No.	5,500.00	49,500.00	8,500.00	76,500.00
8	Wiring of 13A Switch Socket units (UPS Power) from DB to first outlet with following size of wires in 25mm dia PVC conduit.						
a	2x4 Sq.mm + ECC 1x4 Sq.mm (Avg Length: 12m)	1	No.	12,800.00	12,800.00	22,500.00	22,500.00
b	Same as above item, but wiring from outlet to outlet. (Avg Length: 10m)	1	No.	13,200.00	13,200.00	8,500.00	8,500.00
9	Wiring of Communication Rack 16A 3-PIN Industrial Socket from DB to outlet with following size of wires in 32mm dia PVC conduit via Cable Tray.						
a	2x4 Sq.mm + ECC 1x4 Sq.mm (Avg Length: 8m)	1	No.	8,500.00	8,500.00	22,500.00	22,500.00
10	Wiring of UPS 32A 3-PIN Industrial Socket from DB to industrial socket & socket to DB following size of wires in 32mm dia PVC conduit via Cable Tray.						
a	3x6 Sq.mm (Avg Length: 8m)	Rate Only	No.	12,500.00		45,000.00	
Total Amount (Rs.) Sec - A2 (CARRIED FORWARD TO SUMMARY)			PKR	403,100.00		443,000.00	

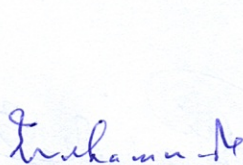
SECTION - B2 WIRING / WIRING ACCESSORIES		Qty	UNIT	RATE (Rs.)	AMOUNT (Rs.)	RATE (Rs.)	AMOUNT (Rs.)
1	Supply & installation of following sizes PVC/UPVC Conduits including all accessories such as bends, sockets, j-boxes, flexible conduits, metal saddles etc. for Main / Sub Main Power, Telephone & Data Cables, concealed / surface on wall as per design drawings. Provide MS Pull boxes where ever required.						
a	25 mm dia PVC Conduit for CCTV, Data and other services.	30	Rm.	90.00	2,700.00	230.00	6,900.00
b	32 mm dia PVC Conduit	25	Rm.	110.00	2,750.00	245.00	6,125.00
c	38 mm dia PVC Conduit	1	Rm.	145.00	145.00	2,000.00	2,000.00
d	50 mm dia PVC Conduit	15	Rm.	230.00	3,450.00	265.00	3,975.00
e	38 mm dia UPVC Conduit (Class-D) (For main Cable)	15	Rm.	320.00	4,800.00	265.00	3,975.00
f	20 mm dia Imported PVC flexible Conduit (Univolt etc.)	25	Rm.	55.00	1,375.00	160.00	4,000.00
g	32 mm dia Imported PVC flexible Conduit (Univolt etc.)	30	Rm.	65.00	1,950.00	160.00	4,800.00
2	Supply and installation of M.S Floor Boxes(DAWIS) of 18 SWG sheet. Complete in all respects as per details and drawings.						
a	225mm x 225mm x 62.5mm (Floor Box With Out Faceplate) must be suitable for 13A simplex, 13A duplex Switch Socket, 1No. RJ-45 duplex face plate for Data/Voice.	1	No.	14,500.00	14,500.00	12,500.00	12,500.00
3	Supply and installation of Technology Box of 18 SWG sheet. Complete in all respects as per details and drawings.						
a	550mm x 225mm x 62.5mm (With Out Faceplate) must be suitable for 13A simplex, 13A duplex Switch Socket, 1No. RJ-45 duplex face plate for Data/Voice.	1	No.	16,500.00	16,500.00	8,500.00	8,500.00
4	Supply and installation of M.S Pull Box of 16 SWG sheet with S.S. Top Cover of 14 SWG sheet for carrying heavy weights. Complete in all respects as per details and drawings.						
a	200mm x 200mm x 62mm Pull Box	1	No.	8,500.00	8,500.00	12,500.00	12,500.00
Total Amount (Rs.) Sec - B2 (CARRIED FORWARD TO SUMMARY)			PKR	56,670.00		65,275.00	

SECTION - C2 SWITCHES & SOCKETS		Qty	UNIT	RATE (Rs.)	AMOUNT (Rs.)	RATE (Rs.)	AMOUNT (Rs.)
	Supply and installation of following 10 Amps, one-way gang type switches or 10/13/15/20 Amps socket outlets make including 16 SWG sheet steel back boxes recessed / surface on wall or as per design drawings. (Series Plano or equivalent)						
1	10A, 220V One Gang Switch Unit Make: Schneider/Clipsal (Vivace/Plano Series)	Rate Only	No.	750.00		3,500.00	
2	10A, 220V Two Gang Switch Unit Make: Schneider/Clipsal (Vivace/Plano Series)	1	No.	950.00	950.00	2,250.00	2,250.00
3	10A, 220V Three Gang Switch Unit Make: Schneider/Clipsal (Vivace/Plano Series)	2	No.	1,350.00	2,700.00	2,500.00	5,000.00
4	10A, 220V Four Gang Switch Unit Make: Schneider/Clipsal (Vivace/Plano Series)	Rate Only	No.	1,850.00		4,500.00	
5	13A, International Switch Socket unit Make: Schneider/Clipsal	6	No.	2,000.00	12,000.00	2,500.00	15,000.00
6	13A, International Switch Socket unit Counter Height Make: Schneider/Clipsal	4	No.	2,000.00	8,000.00	2,800.00	11,200.00
7	13A, Duplex Switch Socket Flat Pin Make: Schneider/Clipsal	2	No.	1,950.00	3,900.00	3,500.00	7,000.00
8	16A 3-Pin Industrial Socket For Communication Rack Make: Schneider/Clipsal	1	No.	4,500.00	4,500.00	3,850.00	3,850.00
Total Amount (Rs.) Sec - C2 (CARRIED FORWARD TO SUMMARY)			PKR	32,050.00		44,300.00	

				
Muhammad Anwar Chairperson PC-A Chief Librarian, IBA Karachi	Syed Akbar Hussain Kazmi Member PC-A Manager Finance, IBA Karachi	Muhammad Haris Qureshi External Member PC-A Procurement Specialist, HEJ	Sadia Jabeen Asim External Member PC-A Senior Engineer (Civil), HEJ	Muhammad Rameez Member PC-A Sr. Manager Projects, IBA KHi.

Comparative Statement
Upgradation & Modernization of Teaching Spaces (Class/Seminar Rooms) at IBA Main Campus
Tender # CW/29/25-26

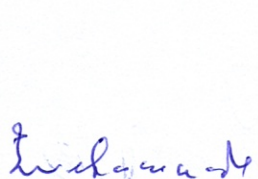
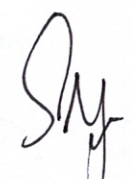
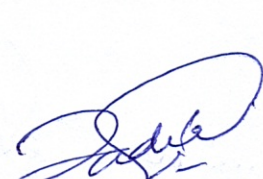
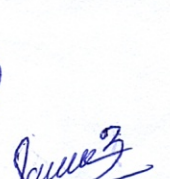
				Engineer's Estimate		M/s. Khan Traders			
SECTION – D2 MAIN CABLES				Qty	UNIT	RATE (Rs.)	AMOUNT (Rs.)	RATE (Rs.)	AMOUNT (Rs.)
	Supply, installation, testing and commissioning of following sizes of Main / Sub main Cables in already installed cable tray, conduit etc. including all accessories, lugs, glands etc. complete in all respect as shown on drawing.								
1	From Main Supply/Nearest Supply To Breaker Box 4C-6 Smm Cu/PVC/PVC + ECC 1 x 6 Smm Cu/PVC Note: Cable length is tentative. Actual will be measured on Site.			20	Rm.	3,000.00	60,000.00	1,650.00	33,000.00
	NOTE: Contractor is advised to confirm the cable size, running lengths and termination as per site conditions before commencement of work.								
Total Amount (Rs.) Sec – D2 (CARRIED FORWARD TO SUMMARY)				PKR		60,000.00		33,000.00	
SECTION – E2 DISTRIBUTION BOARDS				Qty	UNIT	RATE (Rs.)	AMOUNT (Rs.)	RATE (Rs.)	AMOUNT (Rs.)
	Supply, installation, testing & commissioning of following Distribution Boards as shown on drawing made with 14 SWG sheet steel housing including all installation accessories such as Rawal bolt etc. Complete in all respects. Supply of all the accessories required for the installation are included.								
1	BREAKER BOX (Adamjee BLOCK)			1	No.	75,000.00	75,000.00	15,000.00	15,000.00
Total Amount (Rs.) Sec – E2 (CARRIED FORWARD TO SUMMARY)				PKR		75,000.00		15,000.00	
SECTION – F2 LIGHTING FIXTURES				Qty	UNIT	RATE (Rs.)	AMOUNT (Rs.)	RATE (Rs.)	AMOUNT (Rs.)
	Supply & Installation of the following lighting fixture complete with ballast, starter p.f.i capacitor, mounting accessories as specified lamps & as per site requirement. Supply of all the accessories required for the installation of Light fixtures are included. Note: 2"x2" Channie to be included. PFI=0.9 CRI>80% TO 90%								
1	CEILING MOUNTED MIN 30W LED CYLINDRICAL LIGHT WITH COLOR TEMP 4000K/5000K CRI 90% OR AS PER ARCHITECT			24	No.	4,500.00	108,000.00	5,200.00	124,800.00
2	LED LINEAR LIGHT 4FT MIN 35W WITH COLOR TEMP 4000K/5000K & CRI 80% OR AS PER ARCHITECT.			10	No.	11,500.00	115,000.00	10,500.00	105,000.00
3	MAINTAINED TYPE MIN 10W EMERGENCY LIGHT WITH 2-HR BATTERY BACKUP			3	No.	9,500.00	28,500.00	5,500.00	16,500.00
4	1x4 SURFACE MOUNTED LED PANEL LIGHT MIN 40W WITH COLOR TEMP 4000K/5000K & CRI 90% OR AS PER ARCHITECT.			21	No.	11,000.00	231,000.00	10,500.00	220,500.00
Total Amount (Rs.) Sec – F2 (CARRIED FORWARD TO SUMMARY)				PKR		482,500.00		466,800.00	
SECTION – G2 CONVENTIONAL FIRE ALARM CONTROL SYSTEM				Qty	UNIT	RATE (Rs.)	AMOUNT (Rs.)	RATE (Rs.)	AMOUNT (Rs.)
	Supply installation, testing and commissioning of following items for Conventional Fire Alarm System comprising of following equipments including all accessories required for the completion of the system in all respects. (Note: 2nos. Dry contact required for tripping mechanism)								
1	(Existing FACP Considered) Fire Alarm Control Panel of 1-Zone expendable upto 4-Zone having maximum 10 devices per zone. The FACP shall be self powered with built in 12V batteries for 24 Hrs backup with charging unit. It can be programmed using Windows based software for peripheral devices like display unit, printers etc. Complete in all respect. Integration Module is also required.			Rate Only	No.	150,000.00		225,000.00	
2	Conventional Multi detector with base along with full functioning switching programming capabilities system as per specification & recommended of drawing / manufacturer with allied components with T&P etc imported approved make/model or as approved by the engineer in-charge as required. The detector shall have built in short circuit isolators on both inputs. (Existing system)			2	No.	11,500.00	23,000.00	14,500.00	29,000.00
3	Manual break glass call point unit along with housing and full functioning, switching programming capabilities, system as per specification & recommended of drawing / manufacturer with allied components with T&P etc imported approved make/model or as approved by the engineer in-charge as required. 3 call point units are kept as spare/ to cater for additional requirement.			1	No	7,500.00	7,500.00	22,500.00	22,500.00
4	Loop sounder with flashing light integrated base type of approved make complete as required. Sounders required to be activated only in the respective loop/ zone where fire is detected.			1	No.	9,500.00	9,500.00	16,500.00	16,500.00
5	Programming, testing and commissioning of the complete system as per client's requirements permissible for the FACP with training sessions of maintenance personnel.			1	Job	35,000.00	35,000.00	25,000.00	25,000.00

				
Muhammad Anwar Chairperson PC-A Chief Librarian, IBA Karachi	Syed Akbar Hussain Kazmi Member PC-A Manager Finance, IBA Karachi	Muhammad Haris Qureshi External Member PC-A Procurement Specialist, HEJ	Sadia Jabeen Asim External Member PC-A Senior Engineer (Civil), HEJ	Muhammad Rameez Member PC-A Sr. Manager Projects, IBA Khi.

Comparative Statement
Upgradation & Modernization of Teaching Spaces (Class/Seminar Rooms) at IBA Main Campus
Tender # CW/29/25-26

				Engineer's Estimate		M/s. Khan Traders	
6	Supply, installation & wiring for FACP Power from DB to FACP with 2C 2.5 Sq.mm flexible cable in 25mm dia uPVC Conduit. Complete in all respects. (Existing FACP Considered)	Rate Only	Rm.	360.00		350.00	
7	END OF LINE RESISTOR	Rate Only	No.	1,000.00		20,000.00	
8	Supply, installation & wiring for whole Fire Alarm System using 2C, 1.5 Sq.mm Fire Resistant Shielded Cable (Fire Rating for 2 hours) in 25mm dia uPVC conduit from fire alarm control panel to all sensors & devices including all installation accessories complete in all respect.	25	Rm.	310.00	7,750.00	750.00	18,750.00
Note: 1) The Bidder shall provide the complete Technical Literature for the system offered. 2) Contractor is advised to confirm the cable running lengths and termination as per site conditions before commencement of work. 3) Installation work shall be under supervision of qualified engineer be a member of NPTA.							
Total Amount (Rs.) Sec - G2			PKR	82,750.00		111,750.00	
(CARRIED FORWARD TO SUMMARY)							

SECTION - H2		Qty	UNIT	RATE (Rs.)	AMOUNT (Rs.)	RATE (Rs.)	AMOUNT (Rs.)
DATA & VOICE COMMUNICATION							
Supply, installation, testing and commissioning of following items for voice and data communication system including all material, labor, tools, accessories etc. Complete in all respects. Quantities for cables shown in SOQ are estimated and taken from drawings. Contractor is advised to take measurement at site before commencement of work. Different colors of voice and data cables shall be used. (Selected Series for Face plates is Clipsal Vivace or equivalent)							
1	Duplex Face plate with 1 No.RJ-45 I/O for Voice 1 No.RJ-45 I/O for Data(CAT-6) white / off white finish, complete with shuttered click-ins, labels and all accessories including 16 SWG sheet steel back box. Complete in all respects.	4	No.	1,850.00	7,400.00	4,500.00	18,000.00
2	Simplex Face plate with 1 No.RJ-45 I/O (W/O) white / off white finish, complete with shuttered click-ins, labels and all accessories including 16 SWG sheet steel back box. Complete in all respects.	5	No.	1,550.00	7,750.00	3,500.00	17,500.00
3	CAT-6 UTP Cables for Data, Voice & Wifi communication system from Com Rack to each workstation in already laid PVC Conduit as per drawings including termination and tagging at both ends. Complete in all respects. (302m/Coil) (Coring or Equivalent)	1440	Rm.	280.00	403,200.00	45.00	64,800.00
4	4 Core, Multi Mode OM3 Fiber Optic Cable from Data Switch to Server including termination as per standard specifications, all termination accessories up to entire satisfaction of IT Engineer, in appropriate size of already installed PVC conduit / cable tray including testing.	Rate Only	Rm.			2,500.00	
5	Communication Rack SU (Floor Standing/Wall Mounted). Rack shall be equipped with power distribution units (PDUs).	Rate Only	No.			50,000.00	
6	Following CAT-6 Patch Panels equipped with RJ-45 Tool Less I/Os for Voice and Data communication system with rear cable organizer including all labeling and all mounting accessories. Complete in all respects.						
a	8-port CAT-6 patch panel for Voice	Rate Only	No.			35,000.00	
7	Following CAT-6 Patch Panels equipped with RJ-45 Tool Less I/Os for Voice and Data communication system with rear cable organizer including all labeling and all mounting accessories. Complete in all respects. As per Client						
a	24-port CAT-6 patch panel (LOADED) for Data	1	No.	29,800.00	29,800.00	35,000.00	35,000.00
8	CAT-6 factory certified Patch Cords of specified color having RJ-45 connectors at both ends for Voice Communication.						
a	1 meter long.	Rate Only	No.			3,500.00	
10	CAT-6 factory certified Patch Cords of specified color having RJ-45 connectors at both ends for Data Communication.						
a	3 meter long.	2	No.	1,700.00	3,400.00	3,500.00	7,000.00
b	1 meter long.	16	No.	1,000.00	16,000.00	1,500.00	24,000.00
11	Front Cable Organizer for voice & data patch panels / wiring blocks with complete labeling and dressing for incoming cable management.	1	No.	4,000.00	4,000.00	8,500.00	8,500.00
12	Premium High Speed HDMI:						
a	Up to 8K resolution with high dynamic range (HDR) at up to 60Hz refresh rate (Minimum 15Meter Length With Both Ends Punched With Port.	3	No.	16,900.00	50,700.00	14,500.00	43,500.00
13	Testing and commissioning of all above items, termination and connectivity at both ends, including submission of detailed test report from the Principals.	1	Job	5,000.00	5,000.00	5,000.00	5,000.00

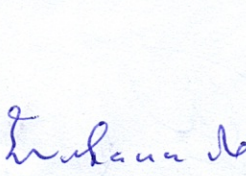
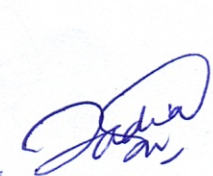
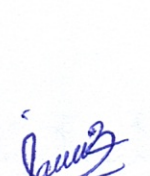
				
Muhammad Anwar Chairperson PC-A Chief Librarian, IBA Karachi	Syed Akbar Hussain Kazmi Member PC-A Manager Finance, IBA Karachi	Muhammad Haris Qureshi External Member PC-A Procurement Specialist, HEJ	Sadia Jabeen Asim External Member PC-A Senior Engineer (Civil), HEJ	Muhammad Rameez Member PC-A Sr. Manager Projects, IBA Khi.

Comparative Statement

Upgradation & Modernization of Teaching Spaces (Class/Seminar Rooms) at IBA Main Campus

Tender # CW/29/25-26

				Engineer's Estimate		M/s. Khan Traders	
14	Allow for any other item or labour required for completion of system not covered in BOQ or specifications / drawings in accordance with the same standards and brands shown and approved by consultant. All such items shall be covered in this item but complete description, item rates, quantity required and brands shall be mentioned separately and to be attached with the BOQ.	1	Job	2,000.00	2,000.00	15,000.00	15,000.00
	Note: Contractor is advised to confirm the cable running lengths and termination as per site conditions before commencement of work. Active IT System will be under the scope of the client.						
Total Amount (Rs.) Sec – H2 (CARRIED FORWARD TO SUMMARY)				PKR	529,250.00	238,300.00	
SECTION – I2							
AS BUILT DRAWINGS		Qty	UNIT	RATE (Rs.)	AMOUNT (Rs.)	RATE (Rs.)	AMOUNT (Rs.)
1	Preparation of as-built drawings of all electrical and allied works after final approval from the consultant/client. Note: Submission of as-built drawings 2 sets after work completion of each floor and 3 sets & soft copy of complete electrical works after final commissioning of project. Approval of final bills are subject to completion of as built drawings.	2	No.	65,000.00	130,000.00	5,000.00	10,000.00
Total Amount (Rs.) Sec – I2 (CARRIED FORWARD TO SUMMARY)				PKR	130,000.00	10,000.00	
SECTION – J2							
ACCESS PANELS		Qty	UNIT	RATE (Rs.)	AMOUNT (Rs.)	RATE (Rs.)	AMOUNT (Rs.)
1	Dismantling of existing work which include existing light, general wiring, switches, Data points and sockets. Complete in all respect to complete the entire system.	1	Job	175,000.00	175,000.00	5,000.00	5,000.00
Total Amount (Rs.) Sec – J2 (CARRIED FORWARD TO SUMMARY)				PKR	175,000.00	5,000.00	
SECTION – K2							
DISMANTLING/REINSTALLATION WORKS		Qty	UNIT	RATE (Rs.)	AMOUNT (Rs.)	RATE (Rs.)	AMOUNT (Rs.)
1	Providing and installing 2'-0" x 2'-0" lockable type access panel made of powder-coated MS / aluminum frame with gypsum board infill (or as per ceiling type), complete with concealed hinges, locking arrangement, and all necessary hardware, fixed in false ceiling/wall as required, including cutting, frame support, finishing, and making good to match the surrounding surface.	6	Nos.	15,000.00	90,000.00	4,500.00	27,000.00
Total Amount (Rs.) Sec – K2 (CARRIED FORWARD TO SUMMARY)				PKR	90,000.00	27,000.00	
(IV) TOTAL AMOUNT OF ELECTRICAL WORKS (ADAMJEE CLASSROOM AND SEMINAR ROOMS) A2+B2+C2+D2+E2+F2+G2+H2+I2+J2+K2				PKR	2,116,320.00	1,459,425.00	
TOTAL AMOUNT OF I+II+III+IV				PKR	17,378,857.69	16,412,797.55	
ADD 8% SRB				PKR	1,390,308.62	1,313,023.80	
GRAND TOTAL AMOUNT WITH TAX				PKR	18,769,166.31	17,725,821.35	
Rebate @ 1.35%						239,298.59	
NET TOTAL AMOUNT WITH TAX						17,486,522.76	

				
Muhammad Anwar Chairperson PC-A Chief Librarian, IBA Karachi	Syed Akbar Hussain Kazmi Member PC-A Manager Finance, IBA Karachi	Muhammad Haris Qureshi External Member PC-A Procurement Specialist, HEJ	Sadia Jabeen Asim External Member PC-A Senior Engineer (Civil), HEJ	Muhammad Rameez Member PC-A Sr. Manager Projects, IBA Khi.