

Tender # CW/04/23-24

Tender Fee: Rs. 2,000/-

(Non-Refundable)

TENDER FORM

FINANCIAL

Tender # CW/04/23-24

Procurement of 40 Kwp Solar Roof Mounted PV
Systems with Net Metering at IBA Girls Hostel Staff
Town University Enclave Karachi

SCHEDULE - A TO BID: SCHEDULE OF PRICES**A. Price Schedule of Solar PV Systems:**

This table must be filled for each type of solar PV system.

Sr. No	Item	Make, Model & Country of Origin	Qty	Unit	Rate	Amount
1	CIVIL PAD Pr. Cement conc. civil pad 3000 psi cylindrical strength of size mentioned below approval of Engineer In-charge a) 300x300x300mm b) 300x300x150mm	Local	100	Each		
			100	Each		
2	Mounting Structure Providing & supplying at Site of Aluminum Z-Perlin L1/P1 Roof Mounted Structure with Front & Back Leg strong enough to sustain design wind pressure as per specification & drawing. For further details refer drawing: Front leg height 216mm,5mm Back leg height 126mm, 5mm	Local	140	Each		
			140	Each		
3	PV Module Providing, supplying & installation at site 550W Tiger Pro 72HC Photovoltaic Solar Modules Tier 1 Type anti-reflective high transparency low iron tempered glass, with earthing provision 550 watts Min. The Supplier shall provide all documents (Manufacturer warranty for solar panel for a period not less than 25 years., Type Test Report, Flash Report, COC, and PSI Report).	Jinko, China, or equivalent	40 KWp (73 Nos)	KWp		
4	DC Breaker Box Providing, Laying, installation, testing & Commissioning of DC Box/Array Junction Box local fabricated 16 gauge, wall mounted, MS powder coated, Glands, Lugs, wiring duct with all accessories for outdoor usage with water proof enclosure at least IP54 rating.	Schnieder/Chint China /Germany or equivalent	1	Each		

	Qty:5 DC Breakers 4 Pole MCB DC Protection 20A,1500VDC 4 Pole MCB per string					
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Sr. No	Item	Make, Model & Country of Origin	Qty	Unit	Rate	Amount
5	DC Cables Providing, & supplying at site of DC Cables: TUV Certified Tinned Coated 1Cx4mmsq,1500VDC ,Cu/XLPO/XLPO, Red & Black Red 600 Meter Black 600 Meter	China, Turkey or equivalent confirming to standard :EN50618 & EN 60228	1200	Meter		
6	Earthing Cables Providing, and supplying at site Single Core 2.5/4 sqmm, CU/PVC/FLEX (Green)	Pakistan Cable or Fast Cable or equivalent confirming to standard	180	Meter		
7	Single Core 10 sqmm Bare Conductor	Pakistan Cable or Fast Cable or equivalent confirming to standard	50	Meter		
8	Lightning Protection Sys. Providing, laying, installation, testing & commissioning of Copper Lightning Arrester Pure copper with 1 meter rod & Ball size almost 4 inch with spikes		1	Each		
9	Electrical Accessories a) MC-4 Connectors b) UPVC Conduit & fittings c) Cables Thimbles d) Epoxy e)Cable Ties f)Cable Tray	Misc.	Lot	L/S		
10	Mech accessories a) Rawal Bolt b) Mid Clamp c) End Clamp d) Screws & Nuts	Misc	Lot	L/S		

Sr. No	Item	Make, Model & Country of Origin	Qty	Unit	Rate	Amount
11	Installation at Site Electrical, Mechanical & Commissioning Installation Services Includes: a) Mounting of PV Modules & Solar panels carrying from ground to roof. b) Mounting of DC Combiner Box. c) Cable Laying (All type) in conduit & cable tray as per site requirement. d) Civil Pads Placements from Ground to Roof.	-	Lot	L/S		
12	Earthing Earthing System. Supply installation, testing and commissioning of Earth electrode (Rod type) for earthing system with 25mm Dia 3 meters (10feet) long, driven copper rod, complete with clamps lugs, washer/bolts, connected with 2x70sqmm bare copper earth conductor to Earth connecting point including 50mm Dia G.I pipe/UPVC pipe class 'D/E' up to earth chamber. Including all accessories and RCC inspection chamber, heavy duty G.I cover having earth symbol. Earthing result should be less than 5 ohm	Local	3	Nos		
13	Net Metering Service of Grid Study& Net Metering Application Process & Handing as per K-Electric & NEPRA approved Criteria Complete in all respect Which also include the services Charges for 140 KWp (100KWp+40 KWp) However all the Challans & Fees shall be Paid by IBA directly.					
14	Transportation, Installation, O&M for 1 year, taxes (on applicable items only)					
Total quoted prices (sum of all types of systems)						

It is hereby certified that the terms and conditions have been read,
agreed upon and signed.

M/s _____

Contact Person: _____

Address _____

Tel # _____ Fax # _____

Mobile # _____ CNIC # _____

E-mail: _____

SIGNATURE & STAMP