



The Bank of Khyber

TENDER NOTICE

The Bank Of Khyber invites sealed quotations from income tax and sales tax registered firms for supply and installation of Solar Solution for ATMs applications of the bank nationwide branches (onsite as well as offsite locations) on turnkey basis.

Latest and international standard configurations/
technology based for the following options;

1. Complete Solar Panel based Solution.
2. Off-Grid Hybrid Invertor / Charger (with long batteries backup) Solution.

Note: Further details of Specifications and technical requirements are available on BOK website:

<https://www.bok.com.pk/downloads>

Application complete in all respects, should reach the following address on 24-05-2017 at 11:00 am and the opening timing will be 11:30 am on the same day morning at BOK Training Hall, 2nd floor, SLIC building, Head office Peshawar.

ADC's Department, Head office.

The Bank of Khyber

Ground Floor,

State Life Building, The Mall, Peshawar.

Phone: 091-5253955, 5254031

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Technical Requirements / Specifications for Procurement of Solar Power Solution for ATM Applications.

Description	Technical Specifications	Minimum Quantity per unit
Solar Power System	<p><u>Solar Panels</u></p> <p>Origin of Brand: Chinese (Top Grade and verifiable) 300 W or above polycrystalline (24V) with 60-72 cells or above. A+ grade efficiency of 16.0% or above, +5W power tolerance, 3 or more diodes and Junction Box of IP 65 or higher. Panels should have 10 Years replacement Warranty and 25 Years performance life.</p> <p><u>Solar Panel Frame Structure: (Locally Fabricated)</u> Complete GI 3mm Gauge & 3 Inches Width structure of PV Mounting Structure with angle adjust ability from 28° to 40° with required civil works if any.</p> <p><u>Solar Hybrid Inverter</u></p> <p>Origin of Brand: (France, USA, Germany and UK) Each Inverter Capacity 2.5KW Output or above stackable, Charging Current 65 Amp DC minimum through Single Hybrid Inverter, with multi priority setting, efficiency of 90% or above, Nominal battery voltage of 24V. Communication through RS 232/USB/RS 485. Would have Data logging software reports with monitoring device (with complete DB box and accessories). Inverter Should have BTS for batteries. Inverter should have Dead battery charge feature. Inverter Should have minimum 2-Years Warranty.</p> <p><u>Solar Charger</u></p> <p>Origin of Brand: (France, USA, Germany and UK) External MPPT Charger with input voltage of 150 VDC and charging current of 60A or above of Each MPPT charger. Should be compatible for 12, 24, 36, 48 & 60V Systems. Charger Should have 5-Years Warranty.</p> <p><u>Batteries (Deep Cycle Pure Gel)</u></p> <p>Origin of Brand: Chinese (Top Grade and verifiable) Deep Cycle Pure Gel with 12V/200 Ah and above battery capacity. Battery life cycles of 2000 or higher, designed life of 12-15 years or more. Maximum self-discharge is 5% of rated capacity per month at 25°C. Batteries with Cabinet for battery bank of SWG-12 mild Steel. Battery Should have 1-Year Unconditional Warranty.</p> <p><u>Cabling etc.</u></p> <p>99.99% pure copper of a New age or equivalent, size as per design required, cables with GI Cable Duct / Tray and JB/Combiner box for joining PV arrays etc.</p> <p><u>NOTE:</u> With complete installation and O&M services for at least 2 Year FOC.</p>	<p>3KW Minimum</p> <p>01</p> <p>01</p> <p>04</p> <p>01</p>

THE BANK OF KHYBER
TECHNICAL SPECIFICATION OF LONG BACKUP POWER SYSTEM FOR ATM APPLICATIONS

Description	Technical Specifications	Minimum Quantity per unit
Long Backup Power System	<p><u>Solar Hybrid Inverter</u> Origin of Brand: France, USA, Germany, UK. Each Inverter Capacity 2.5KW Output or above stackable, Charging Current 65 Amp DC minimum through Single Hybrid Inverter, with multi priority setting, efficiency of 90% or above, Nominal battery voltage of 24V. Communication through RS 232/USB/RS 485. Would have Data logging software reports with monitoring device (with complete DB box and accessories). Inverter Should have BTS for batteries. Inverter should have Dead battery charge feature. Inverter Should have minimum 2-Years Warranty.</p>	01
	<p><u>Batteries (Deep Cycle Pure Gel)</u> Origin of Brand: European / Chinese (Well Renowned). Deep Cycle Pure Gel with 12V/200 Ah and above battery capacity. Battery life cycles of 2000 or higher, designed life of 12-15 years or more. Maximum self-discharge is 5% of rated capacity per month at 25°C.</p>	04
	<p><u>Batteries with Cabinet for battery bank of SWG-12 mild Steel.</u> Battery Should have 1-Year Unconditional Warranty. Cabling etc. 99.99% pure copper of a New age or equivalent, size as per design required including change over facility for bypass the system. NOTE: With complete Installation and O&M services for at least 2 Years FOC.</p>	01

Sr. #	Support and Maintenance
1	Bidder should provide a 8 am X 8 pm X 365 days support and maintenance of proposed Solutions for two consecutive years after the date of installations.
2	Support services would be required for 4-8 hours in Tier 1 cities and within 24 hours in Tier 2 cities.
3	Proposed Solutions must have the data logging software capabilities for Monitoring & Management through console/monitor to review event logs. Comprehensive training and support would be required for all such device / user interface provided by the vendor.
4	Tier 1 Cities Karachi, Lahore, Faisalabad, Rawalpindi, Multan, Hyderabad, Gujranwala, Peshawar, Quetta, Islamabad, Sargodha, Sialkot and Gujrat.
5	Tier 2 - All those cities / areas other than Tier 1.
6	Should have offices/presence in major cities of Pakistan (such as Karachi, Lahore, Peshawar and Islamabad). However, preference would be given to those having established office at Peshawar.
7	Bidder should propose model / brand which must be Installed and Operational in all regions and in Pakistan. Original undertaking from Principal supplier/manufacturer should be provided covering 07 years end of life along with support and maintenance of proposed Model after the expiry of warranty period.
8	The vendor should also have capabilities / expertise of handling Genset Operation / Mechanism.

TERMS & CONDITIONS

1	The Bids must be inclusive of the supply/installation/commisioning of Solar Power Solution as complete package. It includes transportation, installation, operations, maintainance and onsite trainings of staff at Bank Of Khyber.
2	The Bid shall comprise a single package containing "FINANCIAL PROPOSAL" and "TECHNICAL PROPOSAL" in two seprate sealed envelops with Tender Reference.
3	The Technical Proposal should contain all the bid items without quoting the price and must list the support during warranty period. Moreover the bidder shall also attach proof of (in original) authorized dealership/partner varifiable from the principal along the proposal.
4	Earnest money of 02% of the total bidding amount shall be enclosed in the sealed financial proposals in favour of The Bank Of Khyber.
5	The Bidder should be resourceful and must attached their maximum turnover of the projects done (with Banks in particular) during the last 03 years.
6	The validity of the offer must not be less than 60 days for the opening of Tender.
7	As authority competent to accept the tender, the Purchaser reserves the right to accept or reject any or all the tenders without assigning any reason thereof.
8	Supply, Delivery and Installation of the solution for the selective sites/ locations must be made within (04-06) weeks from the date of purchase order.
9	All prices quoted must include all Taxes applicable, such as GST, Income Tax, etc. Failure to supply items at such
10	Failure to supply items within the stipulated time period will invoke penalty as proposed by the management. In addition to that, 2% Call Deposit (CDR) amount will be forfeited.
11	Please make sure, the company seal/stamp is with you at the time of bid opening.
12	specifications and are free to quote more options each clearly marked as option 1, option 2 etc. All options will be evaluated and BOK reserves the right to select the best option based on Technology and cost.
13	Any pressure applied on the Bidding Committee via any external or political resources will result in automatic disqualification by the Bank of Khyber.