

# Transaction Receipt



## Raast Payment

Amount  
Transferred

**Rs.15,000.00**

From



TANVEER ASHFAQ S/O  
MUHAMMAD ASHFAQ  
PKXXNBPA...XXXXX126

To



PUBLIC PROCUREMENT  
PKXXHABB...XXXXX701

Bank Name

HL/Konnect

Purpose Of  
Payment

Others

Transaction  
Date

14 May, 2025  
04:36:33 PM

RRN

141636319898



**NBP**

National Bank of Pakistan  
نیشنل بینک آف پاکستان

For further assistance, please call NBP  
Helpline 021-111-627-627

GOVERNMENT OF PAKISTAN  
**Engineering Development Board (EDB)**

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NO. EDB/Admin/Tender/2025

14/05/2025

**TENDER NOTICE**

(FOR PROCUREMENT OF SOLAR POWER ENERGY SYSTEM OF 100KW)

Engineering Development Board (EDB), Islamabad invites Sealed tenders from well reputed manufacturers and authorized dealers / suppliers / distributors registered with Sales Tax and Income Tax Department companies having at least 3 years of relevant business experience for supply of Solar Power Energy System of 100kw (multi function).

Tender documents can be downloaded from EDB and PPRA websites i.e [www.engineeringpakistan.com](http://www.engineeringpakistan.com) and [www.ppra.org.pk](http://www.ppra.org.pk) or it can be obtained from office of the undersigned.

Bids under the "Single Stage two Envelop Procedure" along with bid money equivalent to 2% of total bid price, will be received up to 29th May, 2025 11:00 A.M. Technical bids will be opened on the same day at 11:30 AM in front of the bidders or their representatives who may choose to attend Technically qualified companies/firms will be informed on the date of opening of financial bids. Any bid not accompanied by bid money will be rejected without any appeal.

Engineering Development Board Islamabad reserves the rights to accept or reject any tender as per PPRA rules.



**Touqir Akhtar Qureshi**  
Dy. General Manager(F&A)  
Tele: 051-9206137

# **ENGINEERING DEVELOPMENT BOARD**



**Tender Document**

**for**

**Supply, Installation, Commissioning of Solar Power Energy System –  
On Grid System with Net Metering**

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## **1. Introduction**

The Engineering Development Board (EDB) intends to install a Solar Power Energy System of 100 KW, On-Grid System with Net-Metering, on Turn-key basis, including warranty at its premises. For this purpose it intends to select a company/firm which is registered with PPIB and PEC, through a process of competitive bidding as per PPRA Rules. Tender document can be purchased from EDB office located at 5-A, Constitution Avenue, Islamabad by registering with EDB for the tender and paying PKR 2,000/- as tender fee.

## **2. Bidding Process**

- i. A Single Stage, Two Envelopes procedure as per Rule 36 (b) read with Rule 37 (a) of the Public Procurement Rules, 2004, as amended in 2006 (the "Rules") shall be adopted. The bid shall comprise of a single package containing two separate envelopes.
- ii. Each envelope shall contain separately the technical proposal and financial proposal. Each Proposal to be separately sealed and then both Technical and Financial Proposals placed in one envelope.
- iii. The envelopes shall be marked as "TECHNICAL PROPOSAL" and "FINANCIAL PROPOSAL" in bold and legible letters to avoid confusion. The Financial Proposal must clearly mentioned, "NOT TO BE OPENED WITH THE TECHNICAL PROPOSAL"
- iv. Initially, only the envelope marked "TECHNICAL PROPOSAL" shall be opened.
- v. The envelopes marked as "FINANCIAL PROPOSAL" shall be retained in the custody of EDB without being opened.
- vi. The technical proposals shall be evaluated as prescribed at Section-6 of this document without reference to the price and any proposal which does not conform to the specified requirements will be rejected.
- vii. After the evaluation and approval of the technical proposals, the financial proposals of the technically qualified bidders will be opened at a date and time to be announced later.
- viii. The financial proposal of bids found technically nonresponsive shall be returned un-opened to the respective bidders.
- ix. Contract will be awarded to the "Technically Qualified" bidder on the basis of Lowest Financial bid based on financial proposal evaluation.
- x. Incomplete or partial bids will be rejected.
- xi. Engineering Development Board (EDB) reserves the right to reject any/all bids on technical grounds or without assigning any reason as per PPRA rules/regulations.

## **3. Eligibility Criteria**

Bidders must comply to the below mentioned clauses to be eligible to participate in the tender.

- i. The Bidder can be a single party or a consortium of multiple parties. In case of consortium, consortium agreement among all partners on stamp paper is required as a part of technical proposal. Bidder and/or each member of a consortium must provide incorporation certificate from SECP (in case of company) or Form-C (in case of Firm) for each consortium member.
- ii. One member of the consortium shall be identified as the consortium leader.
- iii. In case of a consortium, only a local company/firm registered in Pakistan can be the consortium leader.
- iv. The consortium leader shall enter into all contracts on behalf of consortium and shall otherwise be responsible for consortium performance. All members of the consortium shall be jointly and individually liable to EDB in respect of the performance under this Tender.

- v. The consortium leader shall be responsible for timely delivery of the solution required under this tender, within requisite quality. The consortium leader shall indemnify EDB against all delays in completion of the services under this tender and against any and all monetary aspects related to the assignment which may arise between the consortium leader with any of the consortium partners or its vendors during the execution of the assignment.
- vi. The Bidder must have a minimum three (03) years of verifiable work experience at national/international level, in provision of solar based solutions.
- vii. The Bidder or in case of consortium all its members must be a Company/Firm registered with FBR for Income and Sales tax and must be on Active Tax Payer's List, documentary evidence for which must be provided in the technical proposal.
- viii. Bidder or in case of consortium all its members name must be on Active Taxpayers List (ATL) of FBR for income tax and sales tax throughout the project tenure.
- ix. In case of consortium, the consortium leader shall incur all duties and liabilities and receive instructions for and on behalf of all consortium partners/members and entire execution of the project including receipt of payments from EDB which shall be done exclusively by the consortium leader. The payment made by EDB to consortium leader shall discharge it from its obligations and consortium leader will be responsible for payment to any or all of its consortium partners. The consortium leader shall indemnify EDB against any claims of its consortium partner/member which arise out of or in connection with obligations under their consortium agreement or otherwise commitments.
- x. The Bidder shall provide an affidavit (duly attested by oath commissioner on a stamp paper of PKR 100) that the Bidder itself and its consortium members in case of consortium have not been declared blacklisted by any Government/Semi-Government institutions and neither are they in litigation with any Government/Semi-Government institution.

#### **4. General Conditions & Instructions for Bidders**

- a) Proposals shall be submitted in English language.
- b) All prices mentioned in the Financial Proposal shall be inclusive of all applicable taxes in Pak Rupees (PKR). All applicable taxes must also be mentioned exclusively in the financial proposal.
- c) Each page of the Technical and Financial Proposal shall be signed by an authorized representative of the Bidder. The representative's authorization shall be confirmed by power of attorney accompanying the proposal.
- d) For clarification on any item of this RFP, the Bidder may send a written request, at least 07 (seven) days prior to tender submission date.
- e) All clarifications will be communicated to the registered Bidders through e-mail. Bidders will be registered at the time of purchase of tender document.
- f) At any time before the submission of proposals, EDB may, for any reason, whether at its own initiative or in response to a clarification requested by bidder(s), amend the Tender. All amendments will be communicated to the registered Bidders through e-mail.
- g) EDB may at its sole discretion extend the deadline for the submission of proposals.
- h) EDB may reject all bids or proposals at any time prior to the acceptance of a bid or proposal. EDB shall, upon request, communicate to any applicant who submitted a bid or proposal, the grounds for its rejection of all bids or proposals, however EDB is not required to justify those grounds as per Rule 33 of the PPRA Rules.

- i) The Bidders shall bear all costs associated with the preparation and submission of their respective bids and USF will, in no case, be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.
- j) The Bidder shall be responsible to complete all the tasks detailed in this tender document.
- k) The Bidder must provide verifiable documentary proof of already completed projects of similar nature as part of technical proposal.
- l) The Bidder shall submit its audited financial statement and bank statement for the last two years. The submitted audited statement and bank statement shall be evaluated to gauge the financial strength of the company/firm/consortium to take up the assignment for execution.
- m) Applicants are under obligation to understand complete tender documents and address all requirements. EDB shall not be responsible towards the Bidders for any of their claim or complaint which may arise in result of non-reading or misunderstanding the tender document by Bidders.
- n) EDB will reject award of contract if it determines that the Bidder has directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the contract in question.
- o) Bid security in the form of a Pay Order/Demand Draft, in the name of 'Engineering Development Board', of value of 2% of bid money must be attached with the technical proposal otherwise the bid will be rejected.
- p) Payment of bid security in form other than that specified in clause 4(o) shall not be accepted and such bids will be returned unopened to the respective Bidder(s).
- q) Bid Security of Bidders who do not technically qualify shall be returned with the unopened financial bid within fifteen (15) days from issuance of technical evaluation report. However, bid security of the Bidder technically disqualified on the basis of Clause 4(n) of this tender shall be forfeited.
- r) Bid Security of technically qualified Bidders will be released within fifteen (15) days of the signing of the contract with the successful Bidder.
- s) General Guidelines:

Sr. No.	Item/Feature	Specification
1	Total PV Capacity	100KW
2	Total Inverter Capacity	100KW
3	Net metering	All dealings, licensing and payments regarding issuance of net metering license shall be bidder's responsibility including change of energy meter.
4	Transportation	Bidder's responsibility
5	Labor, equipment delivery	All labor and project execution equipment shall be provided by bidder
6	Completion timeline	Installation within <b>30 days</b> after the issuance of Contract/PO, net metering file to be submitted within one week after completion.
7	Payment Terms	<ul style="list-style-type: none"> <li>• 40 % after delivery of complete material on site</li> <li>• 40% after successful commissioning of project</li> <li>• 10% after one month of successful operation</li> </ul>

		<ul style="list-style-type: none"> <li>• 10 % shall be released after two electricity billing cycles and active net metering is reflected in the bills and upon issuance of satisfaction note / project completion certificate by the technical committee;</li> <li>• 5% retention payment will be released after 6 months of successful operations, including net metering.</li> </ul> <p>Note: 5% deduction of retention money will be made from each bill as per government rules.</p>
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## **5. Submission of Proposals**

### **5.1 Technical Proposals:**

Single Technical Proposal may be submitted by the Bidder, which must be in compliance with the requirements laid down in this tender document.

The Technical proposal shall be clearly marked with the following:

***“Supply, Installation, Commissioning of Solar Power Energy System – On Grid System with Net Metering”***

***“TECHNICAL PROPOSAL”***

The Technical Proposal shall include:

- a. A covering letter from the head of the firm/company/consortium or an authorized representative of the same covering the key features of the technical solution.
- b. Copy of registration certificates with relevant authorities i.e. incorporation certificate from SECP, Registrar of Firms etc.
- c. Brief description of the company / firm / consortium partners, highlighting major areas of expertise of the company / firm / consortium partners
- d. Outline of work experience with references of work on similar projects, providing name of the client, client contact information, project value, successful completion certificate for each of the projects which are representative of firm's projects similar to the current project
- e. Complete set of technical information, description data, literature and drawings as required in accordance with Annex-IV. This will include but not be limited to the following:
  - i. A sufficient number of drawings, installation layout, catalogues, illustrations and such other information as are necessary to illustrate clearly the significant characteristics such as general construction dimensions and other relevant information about the Goods/Services to be provided.
  - ii. Details of equipment with capacity.
  - iii. Any other information which is required for evaluation purposes.
  - iv. Financial Saving Projections for 20 years from installed solar system.
  - v. Projected Energy output (kWh/day, kWh/month & kWh/year) from installed system.
- f. The following documents may be furnished along with the technical bid

Sr. #	Item/Feature	Specification
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1	Experience/Firm Eligibility	Must be in solar business for at least 3 years. (documented evidence).
2	PEC Category	C2 or higher with relevant field of specialization is the mandatory requirement for the participating bidders
3	PPIB	V2 valid license proof of already installed net meters
4	History of work with Government	Must have successfully completed at least one solar project of over 100 KW of similar nature for any Government / private organization. (evidence to be provided in the Technical Proposal)
5	Affidavit	Affidavit confirming that the firm has been not been blacklisted by any Government organization or corporate entity. A list of current cases in litigation (if any) must also be provided
6	NTN, STRN	NTN and sales tax certificate, as well as ATL status.
7	Distributor License	Letter of Authorized Distributor in Pakistan
8	Warranty of System	An affidavit claiming the warranty period of equipment and of total system. (explicitly mention the warranty period of solar modules, inverter and total system by bidder).
9	Professional Staff	Proof of PEC registered engineers employed. Details of other technical staff.
10	After Sales Support	Affidavit for after sales local support in the installation city
11	Financial Strength	Annual turnover of more than 200 Million, provide audited reports/bank statements, and tax returns
12	Import Documents	Bill of entry of equipment/Undertaking stating that the items have been solely imported by the bidder himself.

## 5.2 Financial Proposals:

The Bidder shall submit Financial Proposals in **separate sealed envelope on the prescribed format (Annex-\_\_\_)**. Envelop shall be clearly marked with the following:

***“Supply, Installation, Commissioning of Solar Power Energy System – On Grid System with Net Metering”***

***“FINANCIAL PROPOSAL”***

***“Do Not Open with the Technical Proposal”***

The Financial Proposal shall include:

- All prices shall be in Pak Rupees. Any exchange rates fluctuations shall be the responsibility of the Bidder and EDB shall not give any price escalation on that account. Bidder will be responsible to pay any fee, taxes, duties or charges required for successful completion of the project.
- The proposal must remain valid for a period of 180 days after the submission date.
- The price offered by bidder shall be inclusive of inland transportation to designated sites, installation, testing, commissioning and training of staff, etc.
- Taxes will be deducted by EDB at the time of the payment as per government rules and regulations.

## 5.3 Bid Submission & Opening:

The proposal (Technical and Financial) must be delivered at the address given below on or before \_\_ December 2020 at time 1500Hrs. (PST).

The **Engineering Development Board** will open the technical proposals in the presence of bidders' representatives who choose to attend, on \_\_\_\_ at 1530Hrs.

The evaluation of Technical Proposals will be carried out first as per the evaluation criteria given in Section-IV. The financial proposals of the Applicants who do not technically qualify will be returned unopened.

Financial proposals of the technically qualified applicants will be opened publicly, for which the time and date will be communicated to the qualified applicants later on.

To assist in the examination, evaluation and comparison of Bids, EDB may ask the Bidder for a clarification of its Bid and/or presentation on the proposed solution. The request for clarification and the response shall be in writing and no change in the price or substance of the Bid shall be sought, offered or permitted.

## **6. Evaluation and Comparison of Bids:**

Preliminary technical evaluation will be conducted to determine compliance to the following criteria. In case of non-compliance with any of these criteria, the technical bid will be rejected.

Sr. #	DESCRIPTION	YES/NO
1	Firm must have registered with PEC in relevant category, with specialized codes covering provision of Solar Energy solutions.	Must have valid certificate for further evaluation.
2	Firm must be registered with SECP or Registrar of Firms	Mandatory to apply
3	Black Listing from any Government/Semi Government/Agency/Department	Mandatory to provide Affidavit as outlined in Tender document.
4	System Design	Valid system design must be submitted along with technical bid.
5	<ul style="list-style-type: none"><li>Firm Must have ISO 9001-2015 certificate for quality management system.</li><li>Warranty period for solar panels must be 20 years and for allied equipment 5 years.</li><li>Good declaration bill of entry should be provided certificate origin of goods.</li><li>Performance curve STC for PV must be provided.</li><li>PV module that should be offered must not be more than 01 year old.</li></ul>	Attached all valid Documents
6	Brand names, certificate of distribution must be provided in technical proposal.	Attached all valid Documents
7	Test Bed verification.	Must be provided in Technical proposal

The Technical Bids will be evaluated on the basis of evaluation criteria given below. Financial Bids of only those firms will be opened, who at least secured 75% marks in their Technical Bids.

Evaluation Criteria		
Sr. #	Description	Weight
1	Specific relevant experience of company/firm/consortium on similar assignments, evaluated on the basis of number of Projects, duration, scope of work/deliverables and manpower deployed. (each project will earn 10 points)	30
2	Quality of after installation support. Bidders must provide list of customers where projects of similar nature have been delivered along with certificate of satisfactory services provision. (Each service installation will earn 5 points)	15
3	Proposed Team along with CVs with relevant qualification & Experience for each of the applying lot <ul style="list-style-type: none"> <li>• 1 Professional Engineer with B.Sc. / BE (10 marks for engineer with 10 years or above experience)</li> <li>• 1 Associate Engineer with DAE (5 marks for engineer with 10 years or above experience)</li> </ul>	15
4.	Workshop facilities (full marks if present, zero if not available) Details of equipment, layout etc must be provided in the Technical proposal	10
5.	Testing Reports (10 marks if conducted at in house certified facility, 5 marks if conducted at a third party certified facility).	10
6.	Equipment for project execution. (details to be provided in Technical proposal). The following is minimum equipment required: <ul style="list-style-type: none"> <li>• Portable Ultrasonic Flow Meter (3 marks)</li> <li>• Portable Ultrasonic Level Meter (3 marks)</li> <li>• PV Analyzer (1 mark)</li> <li>• GPS/Megger (1 mark)</li> <li>• Mobile Generator (1 mark)</li> <li>• Earth Test Meter (1 mark)</li> </ul>	10
7.	Project completion and after sales support plan	10
Total Marks		100
Minimum Score Required to Qualify		75

The contract(s) will be awarded to the "Technically Qualified" Bidder with the Lowest Financial bid, if not in conflict with any other law, rules, regulations or policy of the Federal Government.

In case the Contract/PO does not materialize with lowest technically qualified bidder fails for any reason, the Client shall have the right to issue the Contract/PO to the Bidder whose proposal received the second highest score. Thereof, if need be, third and subsequent highest scorers may be invited.

A formal Purchase Order (PO) will be issued to the Technically Qualified Bidder with the Lowest Financial bid and its acceptance by the bidder will constitute the formation of the Contract between the Client (EDB) and the successful bidder till signing of the formal Contract Agreement.

**Annex-I: FORMAT FOR FINANCIAL PROPOSAL**

**a. Summary of Bid Price**

Item No.	Description	Total lump-sum Bid Price (in words and figures)
I	Supply, Installation / Commissioning of Solar Power Energy System, 100 KW, On-Grid System with Net-Metering (Based on Turn-key basis, with 20 years warranty for solar panels and 05 years warranty period for allied equipment.	

(Note: Total price, in Pak Rupees, shall be provided in figures as well as in words)

**b. Schedule of Prices-Unit Prices:**

Item No.	Description	Unit	Qty	Unit Rate	Total Price
I	Supply, Installation / Commissioning of Solar Power Energy System, 100 KW, On-Grid System with Net-Metering (Based on Turn-key basis, with 20 years warranty for solar panels and 05 years warranty period for allied equipment, comprising following essential equipment: a) Solar PV Modules (Tier 1) b) Grid Inverter with Wi-Fi c) Mounting Structure & Civil works Wiring & Protection Equipment etc.(AC, DC, earthing, lightning protection and surge arresters) Breakers (MCCB,SPD), Cable Trays, DB's, Function Box IP-67. d) Installation & Commissioning e) Net Metering				
II	Optional equipment: a) Real Time Monitoring of Solar System b) Solution for Cleaning of Solar System				
III	Annual Operation & Maintenance Cost (Rate only)				

## Annex-II: BILL OF QUANTITIES

The technical proposals must provide the following details at a minimum.

### **BOQ for Office Building Rooftop**

Sr. #	Description of Items	Capacity	Unit	Quantity
1	PV modules, Minimum Capacity, 500Wp with 'A' grade cell quality 10%	Kw		
2	Grid Tied Inverter, KW	Kw		
<b>Allied Material</b> (there could be $\pm 10\%$ variations, bidders are requested to VISIT the site for exact measurements)				
3	PV Mounting Structures, with complete fixing equipment.	-	Lot	1
4	PV -Cable 1C x 6 sq mm, CU/PVC/FLEX	-	Mtr	
5	Inv. To ACDB-Cable 4C x 16 sqmm, CU/PVC/STD or higher as per requirement	-	Mtr	
6	Earthing-Cable 1C x 4 Sqmm, CU/PVC/FLEX (Green)	-	Mtr	
7	Cable Tray, 100 x 50 mm with 4 inch stand	-	Mtr	
8	DC Fuse Box with Surge Protection & PV string isolated fuses 1000V DC for String Protection, Lightening Protection			
9	MCB 4P Between AC LT side and inverter	-	Nos	1
10	Installation Material	-	Lot	1
<b>Installation, Testing &amp; Commissioning</b>				
11	Installation, Testing & Commissioning of Solar System, Services	-	Job	1

**Note:** Design and installation layout of system to be submitted along with this BOQ

**Annex-III: PROJECT INFORMATION**

Summary and details of project completed during past three years to be provided in the technical proposal.

S. #	Purchase Order or Contract Details	Client Details	Contract		
			Award Year	Amount	Duration
1					
2					
3					
4					
5					

## **Annex-IV: TECHNICAL SPECIFICATIONS**

### **General System Description:**

The system shall be designed and sized as per the site requirements and shall consist of mainly the following

- I. Solar Photovoltaic panels
- II. Grid Tied Inverters
- III. PV mounting Structure
- IV. Cables and other accessories
- V. Protection Systems
- VI. Surge Arrestors
- VII. Lighting Protection System
- VIII. Net Metering

### **I. Solar Photovoltaic Panels:**

<b>Parameters</b>	<b>Min. Specifications required</b>
Module Make	Tier 1 , Brand should be verifiable for procurement year
PV Module Type	Mono-Perc (> 550 Watts)
Cell Quality	A Grade (verifiable) Flash Test Report Required
Module Efficiency	>22% or higher
Power Tolerance	+ 3% or more
Operating Temperature	--40°C to +85 °C
Temperature Coefficient (Pmax)	--0.4% / o C or less
Bus Bar	5 or higher
Certification	IEC 61215, IEC 61730, IEC61701 or equivalent
Frame	Must Withstand 5400 PA impulse Load
Junction Box	IP 67 with bypass Diode
Cable	Min. 4 mm2 (IEC),
Connectors	MC4 or compatible weatherproof
Front Cover	3.2 mm prism type tempered glass or higher
Product Warranty	10 years product replacement warranty with out part not less than 90% within 20 years. 100% replacement of product damage/malfunctioned.

### **II. Grid Tied Inverter:**

<b>Parameters</b>	<b>Minimum Required Specifications</b>
Inverter Make	Brand should be verifiable (EU/USA/China origin ), Qualifying the given international standards
Inverter Type	Grid/Genset synchronized Pure Sine wave.
Inverter Size (KW)	20, 25, 50 KW, or as per site requirement
Grid/ Generator Synchronization	The inverter should have built in capability to auto synchronize both with Grid and Generator whichever is available.
Output Voltage Range	230VAC/400 VAC $\pm$ 5%.
Solar Panel to Inverter Ratio	1:1

IP Rating/ Dust Proofing	Preferred IP 65 (IEC 60529)/ outdoor use
Frequency	50Hz $\pm$ 2%
Standby power consumption	$\leq$ 3 Watt.
Max. efficiency/Euro-eta	97.8% / 96.5% or above
Protections	<ul style="list-style-type: none"> <li>• Short Circuiting</li> <li>• Surge Protection</li> <li>• PV reverse polarity protection</li> <li>• Anti-Islanding Protection</li> <li>• Leakage current protection</li> <li>• High Insulation</li> </ul> <b>Input</b> <ul style="list-style-type: none"> <li>• Under/Over voltage(PV) (if built-in)</li> <li>• Harmonics Filter</li> </ul> <b>Output</b> <ul style="list-style-type: none"> <li>• Over voltage (AC)</li> </ul>
Operating Temperature	0 to 60oC
Humidity	10 ~90%RH
THD	$\leq$ 3%
Performance guarantee	5 years Replacement of inverter, 10 years equipment life guarantee
Termination Required	At LT Side
Input Voltage Range	150 to 800V or above, as per design (depend upon the selected design)
Max Input Voltage Range	1000 V dc
Power Factor	0.9 leading/lagging
Communication	RS 485/ RJ45 or Wifi (preferably RJ 45), Mobile App.
Display	Screen for parameters display
Applicable Standards and Compliances	UL1741, UL1699B, UL1998, IEEE1547, CSA C22.2 #107.1-01, FCC Class A, ANRE 30, AS 4777, BDEW 2008, C10/11:2012, CE, CEI 0-16, CEI O-21, EN 50438:2013*, G59/3, IEC 60068-2-x, IEC 61727, IEC 62109-1/2, IEC 62116, MEA 2013, NBR 16149, NEN EN 50438, NRS 097-2-1, PEA 2013, PPC, RD 1699/413, RD 661/2007, Res. N° 7:2013, S14777, TOR D4, TR 3.2.2, UTE C15-712-1, VDE 0126-1-1, VDE-AR-N 4105, VFR 2014 Or equaling with supporting documents
Installation of Inverters	At suitable available place, as per the instruction of the Engineer in-charge.
Fault Detection	Remote fault detection supported
Data Analysis	Remote Data collection supported, Online data access through portal
Parameters Modification	Remote parameter modifications supported
Mobile Applications	Application for android and IOS

### III. PV Mounting Structure:

As the installation area is roof top/(2<sup>nd</sup> Floor top), so suppliers will be allowed for site visit for evaluation of installation area.



Proper mounting needs to be designed according to the installation area. All proposed structures should comply with the standards and requirements below.

Description	Requirements
Structure Material	Mild steel / Aluminum or material more than 15 years of proven life. Nuts & bolts should of SS SWG-14 or better Galvanized
Wind Loading	Must provide SAP report and stability certificate from structure engineer before time of execution Mounting system should be able to allow air circulation for cooling in high temperature and withstand wind speed of 150 Km/hour at 3 sec gust
Angle adjustment mounting structure	Angle adjustment should be in accordance to specifications for Islamabad. Manual Seasonal adjustments options should be available on flat roofs structures
Material surface protection	Mounting structure should be Galvanized not less than 90 microns (Hot dip Steel). (or follow Applicable Standards)
Civil Work	Ground slope should be maintained properly to allow access water drainage. The Civil Design should comply with the ACI Code/ IBC Codes. All the required civil work must be included. SAP analysis report of civil work should be submitted

#### IV. Cabling:

- a. All exposed wiring (with the possible exception of the module interconnects) must be covered in conduits/duct. Wiring through roofing, walls and other structures must be protected through the use of bushings. Wiring through roofing must form a waterproof seal (applicable for wiring only).
- b. For conduit and duct flexible PVC material with suitable size must be used, so that 3/4 spaces in a conduit should be empty.
- c. All wiring shall be color coded as per IEC standards and labeled at termination point.
- d. No conduit or fitting shall be attached directly to hatch or any other non-supportive surface
- e. Especially avoid installing the conduit direct over the roof; there must be distance not less than 2 inches between the roof surface and conduit/duct.
- f. Cables must be joined by the use of Junction boxes, screw-connectors, and block connectors, MC 4 or equaling connectors must be used for PV joints.
- g. All wires must be terminated with proper end sleeves and wire thimbles with different colors for positive and negative polarity.
- h. Calculation must support following or equaling standards  
*i. BS 7671:2008, IEE Wiring Regulations 17th Edition, IEC 60364:2001, IEC 62124 ed 1, sec 8.3*
- i. Size, voltage grade and manufacturer name should be printed on every cable with brand name
- j. Wires (in-case of trenching should be buried under 2 feet and should be covered with conduit of suitable strength).
- k. Cable voltage drop specifications are as followed that must be verified through software simulation/ Calculations.

Item	Requirements
PV to JB and JB to inverter	Stranded and flexible Cj/XLPE/PVC 99.9 % pure copper fire resistive insulation (Stranded) All exposed cables must be UV resistive. Voltage drop (node to node) should not be more than 1%
Grid/LV, DB to Inverter	99.9 % pure copper fire resistive insulation (Stranded) Voltage drop (node to node) not be more than 1 %

#### V. Protection Systems:

Required System Protection	Surge Arresters Lightening Protection DC over voltage protection Short circuit Protection Fuse/Breaker Protection. AC & DC disconnect
Protection Class	IP 66 or IP 67

#### VI. Surge Arrestors:

Parameters	Min. Specifications Required
Discharge current (I max)	min. 20kA (8/20 u sec.)
Impulse current (I imp)	min. 25kA (10/350u sec.)
Response time	≤50 n sec
Leakage current	≤ 1m A
Dielectric strength	2000 V AC @ 1 minute
Protection Class	Class 2(Type2) minimum
Discharge voltage	1000 V DC or 1200 VDC (Line to earth) or above (matching the size of inverter)
Ingress Protection	Minimum IP20 (placed in IP 65 Box along with other protections)
Short circuit withstand capacity	min. 30kA
Presence	On all MPP inputs of inverters

#### VII. Lightning Protection:

Parameters	Min. Specifications Required
Recommended method for Calculation	Rolling sphere method to ensure total insulation from lightning strike.
Air termination rod material	99 % Copper
Air termination rod Length	As per design
Earthling Pit	1 Ohm or as per net metering standards 99 % Pure copper plate/ rod
Air termination rod diameter	As per design
Cable for structure	4 mm <sup>2</sup> or higher, 99.99% pure copper (strip or single conductor)
Cable for interconnecting/Grounding metal structure	6 mm <sup>2</sup> or higher, 99.99% pure copper
Insulated Spacer	As per design
Cable Bracket	As per design
Stand – Fang Fix System	As per design

Compliance	ICE 62305-3 (EN62305-3) IEC 62305-3 (EN 62305-3) DIN VDE 0151 and DIN 18014
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### VIII. Net Metering:

- a. Bidder must submit the certificate of Installers Service Providers for Net Metering minimum up to 250 KW under Category ARE V2.
- b. Bidder should submit the work schedule to complete the entire project including the net metering work.
- c. Bidder should also provide undertaking for completion of the Net metering work as per the estimated time mentioned in his work schedule.

### IX. Real Time Monitoring of Solar System (optional):

The system must be capable of showing real time power produced from solar system and store it on local hard drive for future analysis. The output parameters shall be displayed on a LCD screen (32") separately as well.

PC required with min core i-7, 2 TB HDD, 4 MB RAM & 32 inches LED screen

The following functionality is expected:

- a. Generation data must be logged and available for future access.
- b. Data from weather station must also be integrated with the PC.
- c. Generation data must be logged and secured off line with time tracks.
- d. Data from the inverter shall also be logged and displayed on the software or GUI.
- e. Alarms/alerts and timely notification of key performance indicators
- f. Daily, Monthly, quarterly, and yearly reporting of deviations from the expected output should be displayed.

### X. Cleaning of Solar System (optional):

Supply, Installation, testing and commissioning of suitable system of lowest possible water Consumption, water pump (if proposed) of the best quality available with service pipe 1"dia with all accessories.

## 1. GENERAL TERMS & CONDITIONS

- i. Sealed tenders are to be submitted by Reputed Income Tax and Sales Tax registered firms.
- ii. The bidders must quote their NTN/GST number along with their offers and must be enrolled in the active tax payer list of Federal Board of Revenue (FBR), failing which their offer will be rejected.
- iii. Attested copies of CNIC, NTN, GST registration with the Federal Board of Revenue, presence on the Active Tax Payers List (ATL) on current date, must also be provided with the bid / quotation.
- iv. Conditional, incomplete, non-compliant bids/offer and over writing in bids without initials, will not be accepted.
- v. **Genuineness Certificate:** -All the computer related equipment must be "Class-A", original manufactured and must not be a copy / replica/ refurbished/ compatible by any means. The vendors have to provide certificates confirming the equipment as genuine and

original "Class-A" manufactured by the original manufacturers.

- vi. Telephonic/telex/fax/telegraphic/e-mail bids/offers/quotations will not be entertained.
- vii. The Bidders should quote the price(s) according to the specifications as provided in the bidding document. The specifications of item(s), found different from requirement, mentioned in this document, will straightway be rejected.
- viii. **Taxes:** -The Bidders are required to offer competitive prices. All type of taxes/General Sales Tax (GST) etc. must be shown separately. Income tax shall be deducted as per rules.
- ix. The price offered should be for the complete quantity of each demanded item; partial quantity offers shall straightaway be rejected. Conditional/Optional offers will also be rejected.
- x. The purchaser will disqualify a bidder if it is found, at any time, that the information given by him, concerning his bid/offer/ quotation as supplier, was false and or misstated.

- xi. **Certificate of Financial Stability:** -The bidders shall submit a certificate of financial stability from its bankers with regards to his ability to successfully meet obligations under this procurement. **Attach, at least Six Months bank statement.**
- xii. The bidders must have at least three (3) years' experiences of corporate business, in the relevant field. Relevant documents must be attached with bidding documents. Satisfactory reports of at least Three clients.
- xiii. The bidding firms must have running store/shop/godown which may be visited by the Purchase / Inspection Committee, when desired.
- xiv. **Bid Money:** -Any bid submitted without Bid Money @ 02% of the total quoted value, in shape of Demand Draft/Pay order/CDR, will also be rejected. The DD/PO/CDR should be enclosed in sealed envelope with the Offer/ Proposal.
- xv. The Earnest Money will be refunded to all unsuccessful bidders, after issuance of the Purchase Order. Whereas the Earnest Money of successful bidder(s) will be included in the amount of Performance Guarantee / Security Deposit.
- xvi. **Performance Guarantee / Security Deposit:** The successful bidder will submit Performance Guarantee /Security Deposit @ 10% of the total contract value, before the purchase order / contract is issued, which will be returned after expiry of the Warranty Period or after one year from the date of confirmation /verification of acceptance of supplied store (equipment / items), in inspection by the Inspection Committee, nominated by the EDB , whichever comes later, and after successful execution of the contract.
- xvii. **Advance Samples:** - Before commencing supplies, advance samples have to be submitted that will be examined by the Inspection Committee/Purchase Committee for approval. All subsequent supplies must be in conformity with the approved samples. The acceptable Advance Sample will remain in custody of Inspection Committee / Purchase Committee till supply is completed duly inspected/accepted. The Advance Sample will be counted towards the total items supplied.
- xviii. **Warranty:** - The supplier shall submit Warranty for items/ accessories as specified in Technical Data Sheet. Certificate that the goods supplied conform exactly to the specifications laid down in the contract. The supplier will be held responsible for all losses, if any material is found defective or not conforming to the specifications or particulars. The rejected items shall be substituted with the acceptable items at suppliers' expense and cost.
- xix. The successful bidder will have to supply all items/equipment and complete the supply within Delivery Period, and as per schedule given in the contract / purchase order.

- xx. **Delivery Period:** All contracted items/store will be supplied and installed commissioned within 03 weeks of issuance of the contract / purchase order.
- xxi. **Prices:** The contracted prices will remain firm / valid up to **30-06-2025**. Any additional item (if required) will be supplied on the same rate.
- xxii. Contract will be issued after submission of Performance Guarantee/Security deposit.
- xxiii. **Consignee:** - The equipment will be delivered/installed at, EDB Complex Building 5-A, Constitution Avenue, Islamabad.
- xxiv. **Liquidated Damages:** -In case of delayed supply or non-supply/incomplete supply of the item(s) within stipulated Delivery Period (DP), or extended DP; extended by the purchaser, Liquidated Damages @ 2 % of the value of unsupplied portion of the store, per month or part of a month, will be imposed upto maximum of 10% of contract amount. The period to impose LD will be counted from the date of expiry of original Delivery Period.
- xxv. **Inspection:** - After receipt of equipment in EDB will be inspected by a Technical Committee/ Inspection Committee, nominated by EDB, which will ensure that the quantity and quality of the contracted items, received, is same as mentioned in the Contract/Purchase Order and the supplied items are confirming to the specifications mentioned in the Purchase Order or are perfectly the same according to Advance Sample, provided by the supplier.
- 1: If the Inspection Committee is not satisfied with the supplied equipment / store or if the consignment is not conforming to the specification mentioned in the Purchase order/Contract, the Committee may reject any part or the whole consignment tendered for inspection.
- 2: The decision of the Technical / Inspection /Purchase Committee shall be binding on the supplier.
- 3: If the items/equipment supplied is rejected as aforesaid, then the supplier shall replace the rejected items but resubmission will not mean extension in Delivery Period.
- xxvi. Only those items will be considered as 'supplied' which are passed in inspection and accepted by the Inspection/ Technical Committee.
- xxvii. **Cancellation of Contract:** - If the supplier/ contractor fails to supply store within stipulated Delivery Period (DP)/extended Delivery Period, the contract will be cancelled and Performance Guarantee /Security Money will be forfeited.
- xxviii. The suppliers are required to submit following certificates;
- 1) **Genuineness Certificate**, confirming that the equipment supplied is genuine, manufactured by the original manufacture and not a copy or replica by any means.

- 2) Warranty Certificate valid for at least one year provided by manufacturer.
- 3) Replacement Certificate, ensuring that the equipment/parts supplied if found defective during Warranty Period will be replaced free of cost within 15 days, failing which the amount equivalent to value of defective equipment will be deducted from bid money. Items in replacement will be delivered to the EDB.
- 4) **Services/Maintenance Certificate:** - Suppliers will ensure to supply back up and maintenance services free of cost during Warranty Period (in case of supply of equipment) and on payment after Warranty period. Further the supplier must ensure that the spare parts / maintenance works shops are housed in Islamabad / Rawalpindi.

xxix. **Payment:** -The payment will be made after successful completion of the Order/Contract and acceptance of the items in inspection / commissioning. Part payment against part supply will be made if permitted in the contract documents and approved by the Competent Authority. Payment will be made by the EDB Assignment Account to the supplier through Cross Cheque after deduction of applicable taxes, subject to submission of following documents;

- 1) Bill in duplicate
- 2) Equipment Receipt Certificate issued by EDB duly signed/approved by DGM (F&A),
- 3) Inspection/acceptance Certificate issued by the Technical/Inspection Committee
- 4) Delivery Chalan.
- 5) If a firm is exempted from deduction of taxes at source, a certificate in this regard will be submitted as evidence.
- 6) Genuineness certificate
- 7) Commissioning certificate from the Technical Committee.
- 8) All the payments shall be subject to taxes, duties, Sales Tax and other Govt. duties as per prevailing laws.
- 9) Warranty Certificate

xxx. The quantity of the items mentioned in the Tender Document may be increased or decreased, as per PPRA Rules, depending on the merits and circumstances. EDB has right to cancel any item or whole bid before issuance of purchase order / contract, in accordance with the PPRA Rules.

xxxi. All the electric / electronic appliances must be capable of running on 220 volts.

xxxii. Firm must not be blacklisted by any Govt. or public sector organization and should not be

involved in proceedings in any legal or arbitration court. Certificate of no Blacklisting.

- xxxiii. The bids / offers will be submitted at the Admin Section of EDB office.
- xxxiv. **Arbitration:** -In case of any dispute, the matter shall be referred to the CEO-EDB acting as arbitrator through Technical/Inspection Committee. Decision of the arbitrator shall be final and binding on all concerned parties.
- xxxv. **Constitution of Grievance Redressal:** Procuring agency shall constitute a Grievance Redressal Committee (GRC) comprising of odd number of persons with proper power and authorization to address the complaint. The GRC shall not have any of the members of Procurement Evaluation Committee. The committee must have one subject specialist depending the nature of the procurement.
- xxxvi. **Supplier's Responsibilities:** The Supplier shall conduct all activities with due care and diligence, in accordance with the Contract and with the skill and care expected of a competent provider of information technologies, information systems, support, maintenance, training, and other related services, or in accordance with best industry practices. In particular, the Supplier shall provide and employ only technical personnel who are skilled and experienced in their respective callings and supervisory staff who are competent to adequately supervise the work at hand
- xxxvii. The Supplier confirms that it has entered into this Contract on the basis of a proper examination of the data relating to the System provided by the Procuring agency and on the basis of information that the Supplier could have obtained from a visual inspection of the site (if access to the site was available) and of other data readily available to the Supplier relating to the System as at the date Seven (07) days prior to bid submission. The Supplier acknowledges that any failure to acquaint itself with all such data and information shall not relieve its responsibility for properly estimating the difficulty or cost of successfully performing the Contract
- xxxviii. The Supplier shall be responsible for timely provision of all resources, information, and decision making under its control that are necessary to reach a mutually Agreed and Finalized Project Plan within the time schedule specified in the Implementation Schedule in the Technical Requirements Section. Failure to provide such resources, information,



and decision making may constitute grounds for termination

- xxxix. The Supplier shall acquire in its name all permits, approvals, and/or licenses from all local, state, or national government authorities or public service undertakings in the Procuring agency's Country that are necessary for the performance of the Contract, including, without limitation, visas for the Supplier's and Subcontractor's personnel and entry permits for all imported Supplier's Equipment. The Supplier shall acquire all other permits, approvals, and/or licenses that are not the responsibility of the Procuring agency and that are necessary for the performance of the Contract.
- xl. The Supplier shall comply with all laws in force in the Procuring agency's Country. The laws will include all national, provincial, municipal, or other laws that affect the performance of the Contract and are binding upon the Supplier. The Supplier shall indemnify and hold harmless the Procuring agency from and against any and all liabilities, damages, claims, fines, penalties, and expenses of whatever nature arising or resulting from the violation of such laws by the Supplier or its personnel, including the Subcontractors and their personnel, but without prejudice to GCC Clause 9.1. The Supplier shall not indemnify the Procuring agency to the extent that such liability, damage, claims, fines, penalties, and expenses were caused or contributed to by a fault of the Procuring agency.
- xli. The Supplier shall, in all dealings with its labor and the labor of its Subcontractors currently employed on or connected with the Contract, pay due regard to all recognized festivals, official holidays, religious or other customs, and all local laws and regulations pertaining to the employment of labor.
- xl.ii. Any Information Technologies or other Goods and Services that will be incorporated in or be required for the System and other supplies shall have their Origin in a country that shall be an Eligible Country.
- xl.iii. The Supplier shall permit the Procuring Agency and/or persons appointed by the Procuring Agency to inspect the Supplier's offices and/or the accounts and records of the Supplier and its sub-contractors relating to the performance of the Contract, and to have such accounts and records audited by auditors.
- xl.iv. Other Supplier responsibilities, if any, are as stated in the SCC.

- xlv. **Termination for Force Majeure:** Notwithstanding the provisions of **GCC Clauses 38, 39, and 40**, neither Party shall have any liability or be deemed to be in breach of the Contract for any delay nor is other failure in performance of its obligations under the Contract, if such delay or failure is a result of an event of Force Majeure. For purpose of this clause, "Force Majeure" means an event which is beyond the reasonable control of a Party, is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of a Party, and which makes a Party's performance of its obligations hereunder impossible or so impractical as reasonably to be considered impossible in the circumstances, and includes, but is not limited to, war, riots, civil disorder, earthquake, fire, explosion, storm, flood, epidemics, or other adverse weather conditions, strikes, lockouts or other industrial action (except where such strikes, lockouts or other industrial action are within the power of the Party invoking Force Majeure to prevent
- xlvi. If a Party (hereinafter referred to as "the Affected Party") is or will be prevented from performing its substantial obligation under the contract by Force Majeure, it shall give a Notice to the other Party giving full particulars of the event and circumstance of Force Majeure in writing or in electronic forms that provide record of the content of communication of such condition and the cause thereof. Unless otherwise directed by the Procuring Agency in writing or in electronic forms that provide record of the content of communication, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event

## **2. BIDDING PROCEDURE**

**i. SINGLE STAGE, TWO ENVELOP PROCEDURE.** —Single stage - Two envelop procedure shall be used and bid shall comprise a single package containing the Technical and Financial Proposal.

ii. Bidders may visit this office in connection with technical clarifications, if required any, before participating in the bidding.

## GENUINENESS CERTIFICATE

**[Company Name/Organization Name]**

**[Address]**

**Contact: [Phone Number, Email Address]**

**Date: [Insert Date]**

**To Whom It May Concern,**

This is to certify that the item(s) offered by us in response to the tender enquiry [Tender Reference No. \_\_\_\_\_] will be brand new and unused at the time of delivery.

The equipment shall be supplied in its original manufacturer's packaging and will not be refurbished, reconditioned, or used in any manner prior to delivery.

This certificate is issued in line with the requirements of the above-referenced tender and is true to the best of our knowledge and belief.

**Authorized Signatory:**

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**Name: [Insert Name]**

**Designation: [Insert Designation]**

**Company Stamp/Seal**

## **SERVICES/MAINTENANCE CERTIFICATE**

**[Company Name/Organization Name]**

**[Address]**

**Contact: [Phone Number, Email Address]**

**Date: [Insert Date]**

### **TO WHOM IT MAY CONCERN**

This is to certify that **[Company Name/Organization Name]** has successfully provided **[Type of Services or Maintenance Work]** for **[Client Name/Organization Name]** at **[Project Location]** during the period from **[Start Date]** to **[End Date]**.

The services provided included but were not limited to:

1. **[Brief Description of Service/Maintenance Task 1]**
2. **[Brief Description of Service/Maintenance Task 2]**
3. **[Brief Description of Service/Maintenance Task 3]**

We confirm that all services/maintenance tasks were carried out in accordance with the agreed terms and conditions, meeting the required standards and specifications.

Should you require any further details or verification, please do not hesitate to contact us.

**Authorized Signatory:**

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**Name: [Insert Name]**

**Designation: [Insert Designation]**

**Company Stamp/Seal**

**OFFICIAL AUTHORIZED DEALER**

**[Company Name/Organization Name]**

**[Address]**

**Contact: [Phone Number, Email Address]**

**Date: [Insert Date]**

**To Whom It May Concern,**

This is to certify that we, **[Bidder's Company Name]**, having our registered office at **[Company Address]**, are the official authorized dealer/distributor for the item(s) enquired under the tender reference **[Insert Tender Reference Number]**.

We further declare that all documents, certificates, authorizations, and information submitted by us in the bid are authentic, genuine, and accurate to the best of our knowledge and belief.

This certificate is issued in good faith for the purpose of tender participation.

**Authorized Signatory:**

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**Name: [Insert Name]**

**Designation: [Insert Designation]**

**Company Stamp/Seal**

## Form of Contract

THIS AGREEMENT made the \_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_ between [name and address of Procuring Agency] of Pakistan (hereinafter called "the Procuring Agency") of the one part and [name of Supplier] of [city and country of Supplier] (hereinafter called "the Supplier") of the other part:

WHEREAS the Procuring Agency invited Bids for certain goods and related-services, viz., [brief description of goods and services] and has accepted a Bid by the Supplier for the supply of those goods and related services in the sum of [contract price in words and figures] (hereinafter called "the Contract Price").

### NOW THIS CONTRACT WITNESSETH AS FOLLOWS:

1. In this Contract words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Contract, In the event of any ambiguity or conflict between the Contract Documents listed below, the order of precedence shall be the order in which the Contract Documents are listed below:-
  - (a) This form of Contract;
  - (b) the Form of Bid and the Price Schedule submitted by the Bidder;
  - (c) the Schedule of Requirements;
  - (d) the Technical Specifications;
  - (e) the Special Conditions of Contract;
  - (f) the General Conditions of the Contract;
  - (g) the Procuring Agency's Letter of Acceptance; and
  - (h) [add here: any other documents]
3. In consideration of the payments to be made by the Procuring Agency to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Procuring Agency to provide the goods and related services and to remedy defects therein in conformity in all respects with the provisions of the Contract.

4. The Procuring Agency hereby covenants to pay the Supplier in consideration of the provision of the goods and related services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the contract.

IN WITNESS whereof the parties hereto have caused this Contract to be executed in accordance with their respective laws the day and year first above written.

Signed, sealed, delivered by \_\_\_\_\_ the \_\_\_\_\_ (for the Procuring Agency)

Witness to the signatures of the Procuring Agency:

.....

Signed, sealed, delivered by \_\_\_\_\_ the \_\_\_\_\_ (for the Procuring Agency)

Witness to the signatures of the Supplier: .....

**Performance Security (or guarantee) Form**

To: *[name of Procuring Agency]*

WHEREAS *[name of Supplier]* (hereinafter called "the Supplier") has undertaken, in pursuance of Contract No. *[Reference number of the contract]* dated *[insert date]* to delivery *[description of goods and services]* (hereinafter called "the Contract").

AND WHEREAS it has been stipulated by you in the said Contract that the Supplier shall furnish you with a Bank Guarantee by a reputable bank for the sum specified therein as security for compliance with the Supplier's performance obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Supplier a guarantee:

THEREFORE, WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of *[amount of the guarantee in words and figures]*, and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract and without cavil or argument, any sum or sums within the limits of *[amount of guarantee]* as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the: *[insert date]*

Signature and seal of the Guarantors

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*[name of bank or financial institution]*



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[address]

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[date]

## Integrity Pact

### DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS OF GOODS, SERVICES & WORKS IN CONTRACTS WORTH RS.10.00 MILLION OR MORE

Contract Number: \_\_\_\_\_

Dated: \_\_\_\_\_

Contract Value: \_\_\_\_\_

Contract Title: \_\_\_\_\_

[Name of Supplier] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Pakistan or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoP) through any corrupt business practice.

Without limiting the generality of the foregoing [Name of Supplier] represents and warrants that it has fully declared the brokerage, commission, fee etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultations fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP, except that which has been expressly declared pursuant hereto.

[Name of Supplier] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with GoP and has not taken any action or will not take any action to circumvent the above declaration, representative or warranty.

[Name of Supplier] accepts full responsibility and strict liability for making and false declaration, not making full disclosure, misrepresenting fact or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other right and remedies available to GoP under any law, contract or other instrument, be voidable at the option of GoP.

Notwithstanding any rights and remedies exercised by GoP in this regard, [Name of Supplier] agrees to indemnify GoP for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to GoP in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by [Name of Supplier] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP.

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[Buyer]

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[Seller/Supplier]

**PACKING OF PROPOSAL(S)**

1. The Envelop to clearly contain the following label(s).

**Procurement of Solar Power Energy System of 100 KW**

**Provision of Firewall to Engineering Development Board (EDB)**

**TENDER NOTICE NO. EDB/Admin/tender/2025 due on 29/05/2025 at 11:00 am**

**Submitted to:**

**DGM (F&A),**

**Engineering Development Board (EDB),**

**EDB Complex Building 5-A, Constitution Avenue, Islamabad**

**Tele: 051-9206137**

Submit the Bid at Admin Section of the EDB Office, EDB within 15 days from the date of publication of tender notice. Late bids will not be accepted under any circumstances. The time for opening of Bids will be uploaded on EDB Website [www.Engineeringpakistan.com](http://www.Engineeringpakistan.com) before expiry of given time.

DATE: \_\_\_\_\_ 2025

NO.EDB/Admin/Tender/2025

PLEASE PROVIDE THE FOLLOWING INFORMATION ON COMPANY'S LETTER HEAD FOR THE PERSON WHO WILL BE THE COMPANY'S PRINCIPAL CONTACT FOR MATTERS REGARDING THE ABOVE BID. ENCLOSE THIS LETTER IN THE MAIN ENVELOPE OF THE PROPOSAL.

Company Name and Address

Signature of Company Representative

Printed Name of Company Representative

Title

Date

Tel. No.

Fax.

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