

Name and Address of Bidder:



**BIDDING DOCUMENTS
TECHNICAL BID
PART-I
FOR
National Competitive Bidding**

Provision and Installation of 130KW Solar PV System

Bid Reference No:	UOR/PMU/ 2025-26/40
Tender No.40 Tender Name:	Provision and Installation of 130KW Solar PV System
Procurement Procedure & Method	Single Stage Two Envelope (Least evaluated Cumulative Cost basis)
Last Date & Time of Receipt of Bids	06-10-2025 10:15
Bid Opening Date & Time:	06-10-2025 10:45

UNIVERSITY OF RASUL MANDI BAHAUDDIN

13km, Sarai Alamgir Road, Mandi Bahauddin
Ph: 0546-553354, Email: pd@putrasul.edu.pk

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INTRODUCTION

University of Rasul, Mandi Bahauddin (UoR)—upgraded in 2018 from the historic Government College of Technology Rasul—has rapidly emerged as a dynamic center of higher learning and research. Inheriting more than a century-old legacy of technical education, the university now serves as a catalyst of intellectual, social, and industrial progress. With its innovative curricula, dedicated faculty, and strong industry linkages, UoR caters to the diverse needs of society by imparting education in almost all major fields of learning, ranging from engineering and technology to management and applied sciences. It not only emphasizes hands-on, application-oriented teaching but also fosters innovation, entrepreneurship, and cultural enrichment, making it a vibrant hub of academic, social, and professional activity in the region.

The UOR will be a significant power consumer in the area when Campus is fully operational, relying on grid-purchased electricity from WAPDA to run its academic & admin facilities. WAPDA (GEPCO) steadily increasing the kWh electricity rates. UOR is seeking a means to minimize its reliance on WAPDA and to achieve both long-term electricity cost savings and cost certainty through the use of solar PV system. The proposed solar PV system would interconnect to the grid under the WAPDA Net Energy Metering, enabling efficient energy use and sustainable development.

UOR has decided to execute the work named as **“PROVISION AND INSTALLATION OF 130kW SOLAR PV SYSTEM FOR ADMIN BLOCK AT UNIVERSITY OF RASUL, MANDI BAHAUDDIN”**

To achieve the quality work and engage technical and capable contractor the university decided to adopt single stage two envelope bidding process. Accordingly, well reputed firms registered with Pakistan Engineering Council (PEC) in the category “C-6 & above” (with specialization of solar in Code EE-11 (*EE11(vi) Solar Installation* or EE11(iii) Solar Energy system), registered with Alternative Energy Development Board (AEDB) in the category “C-3 and Above”, registered with e-PADS as per Regulations-7(1) of upto-date PPRA regulations having required technical and managerial capabilities, are invited to participate in the bidding process for the above said project through submission of their requisite e-bid.



UNIVERSITY OF RASUL, MANDI BAHAUDDIN

INVITATION FOR BIDS (E-Tendering)

(SINGLE-STAGE TWO ENVELOPES)

University of Rasul, Mandi Bahauddin (hereinafter referred to as the “Procuring Agency”) **invites** the bids from well reputed **Vendors / Contractors** registered on e-PADS as per Regulations-7(1) of PPRA regulations- 2024 having valid PEC License in category **C-6 or above** with specialization solar codes in **(with specialization of solar in Code EE-11 (EE11(vi) Solar Installation or EE11(iii) Solar Energy system)**, AEDB License, active filer NTN, PRA, GST, for blow mentioned Project:-

“PROVISION AND INSTALLATION OF 130kW SOLAR PV SYSTEM FOR ADMIN BLOCK AT UNIVERSITY OF RASUL, MANDI BAHAUDDIN”

1. Subject project shall be carried out through e-PADS of Punjab Procurement Regulatory Authority (PPRA) only. Bidding Documents containing detailed requirements, terms and conditions is available for the registered bidders on e-PADS at www.punjab.eprocure.gov.pk and Punjab Regulatory Authority (PPRA) Website <http://ppra.punjab.gov.pk>.
 2. **Single stage two envelop** bidding procedure will be adopted. The bids prepared in accordance with the instructions in the bidding documents, must be submitted on e-PADS on or before **06-10-2025**, not later than **10:15 AM**. Technical Bids will be opened on the same day on e-PADS at **10:45 AM**. Manual bids shall not be accepted. The **Bid Security** in the shape of **CDR/Bank Guarantee/PO/Demand Draft/Banker Cheque** except insurance bond for an amount of **5%** of estimated cost **Rs. 487,705** in the name of “**Treasurer, University of Rasul Mandi Bahauddin**” (NTN: 9022261-4) shall be uploaded on e-PADS in soft copy as well as hard copy (in original) of the same shall be submitted in the office of Project Director situated at **University of Rasul, Mandi Bahauddin**, before the E-bid Submission deadline otherwise bid shall be “**rejected**”.
 3. Only technically responsive bidder(s) will be qualified for opening of financial bid(s). Financial bid of bidder(s) found technically non-responsive shall remain un-opened in the e-PADS.
 4. If the e-bid or proposal including record submitted on the e-PADS found corrupt, un-readable or contain virus, the e-bid or proposal shall be rejected as per **Regulation -8(4) of PPRA Regulations- 2024**.
 5. The bidder shall submit e-bids through uploading PDF file on e-PADS as per **Regulation-6(4) of PPRA Regulations-2024**.
 6. The procurement shall made under PPRA Rules-2014 and Punjab Procurement Regulations-2024.
 7. The procuring agency may reject all bids or proposals at any time prior to the acceptance of a bid or proposal under **Punjab PPRA Rules 2014 (Rule-35)**.
 8. Conditional tender will not be accepted.
 9. No tender via telegraph or by post will be accepted bids submitted through e-PADS shall only be considered.
 10. Tendered rates and amount should be filled in figures as well as in words and tenders should be signed as per general directions given in the tender documents.
 11. In case, the last date of bid submission and opening falls in / within the official holidays, the last date for submission and opening of the bids shall be the next working day.
 12. The tenderer shall fill up the bid schedule and indicate the percentage rate above or below the schedule of rate for “**Schedule Items/ Standardized items**”. Item rates will be quoted by the contractor against “**Non-Schedule / Non-Standardized items**”, failing which the bid shall be rejected.
 13. Pre Bid meeting will be held on **29-09-2025 at 12:45 PM** in the office of the Project Director
 14. Estimated cost **Rs. 9,289,712/-**
 15. Estimated cost with **5% PRA Rs. 9,754,093/-**
- + E-PADS Helpline : 051-111-137-237**

Project Director, University of Rasul

INSTRUCTIONS TO BIDDER

- 1) Proposals shall be submitted in English language.
- 2) Single stage two envelopes bidding procedure will be adopted by using uploading files on e-PADs. The Procuring Agency will open the Technical Bids as per Punjab Procurement Regulations 2024. The Financial Bids will remain unopened and will be held in custody of the Procuring Agency until the specified time of their opening as per ibid regulations.
- 3) The bidder shall fill up the bid schedule and indicate the percentage rate above or below the schedule of rates for the **“Standardized items”**. No percentage premium will be quoted by the bidder against **“non-standardized items”** failing which the bid shall be rejected.
- 4) The bidder must provide AEDB certificate with bid.
- 5) Conditional tender will not be accepted.
- 6) The bidder must provide PRA Certificate along with bid.
- 7) The bidder should quote rate after careful study of bid document
- 8) The rates should be quoted both in figures as well as in words. Similarly, the total amount of the individual items should also be mentioned both in figures as well as in words
- 9) The bidder shall quote single option of each item from mentioned brands. In case of equivalent item, the item must qualify the specification. Otherwise bid will be rejected.
- 10) The lowest evaluated bidder will be required to furnish the performance guarantee before entering into a contract. Should the lowest evaluated bidder refuse or fail for any reason to furnish performance guarantee. (if applicable as per contract agreement **GOP**)
- 11) The procuring agency shall evaluate the technical proposal in the manner prescribed in advance, without reference to the price and shall reject any proposal which does not conform to the specified requirements
- 12) Any addition, alteration and substitution after submission of bid shall not be accepted
- 13) During the technical evaluation no amendments in the technical proposal shall be permitted and if the Procuring Agency deems necessary to seek clarifications it will be sought in- writing via email.
- 14) At the end of the evaluation of the Technical Bids, the Procuring Agency will upload the evaluation on e-PADS and PPRA website regarding those bidders who have submitted substantially responsive Technical Bids and who have been determined as being qualified for opening of the Financial Bids.
- 15) The Procuring Agency will upload the evaluation on e-PADS and PPRA website regarding their Technical Bids being substantially non-responsive to the requirements of the Bidding Document and return their Financial Bids unopened before inviting others, who are determined as being qualified, for the opening of Financial Bids.
- 16) The bidder should clearly read the item specifications specially (Solar PV panels, Inverters and AC/DC Cables) and quote as per specification. If bidder failed to quote required specification of any of these items (Specially) bid will be rejected and considered as “Non-Responsive”.
- 17) The overall lowest evaluated bidder shall be awarded the contract
- 18) Each page of bidding documents (along with supporting documents i.e. technical brochures / catalogue etc.) has to be stamped and signed by the authorized signatory of the firms / company / contractor failing which Bid shall be rejected. Digital signatures and stamp are allowed for uploading documents.
- 19) Cutting / erasing shall be initialed by authorized person of the company

- 20) The procuring agency may reject all the bids or proposals at any time prior to the acceptance of a bid or proposal. The procuring agency shall upon request communicate to any bidder, the ground for its rejection of all bids or proposal but shall not be required to justify the grounds.
- 21) Any bidder feeling aggrieved by any act of the procuring agency after the submission of his bid may lodge on e-PADS his grievances within **5 [five]** days for technical evaluation and within **10 [ten]** days for the announcement of the final/financial evaluation report. The decision of Grievance Redressal Committee constituted by UOR shall be acceptable to the bidder.
- 22) **E-stamp** paper according to stamp act article **No. 22-A(a)(v)** amounting to **Rs. 30,000/-** shall be provided by the successful bidder for execution of Contract Agreement.
- 23) **Joint Venture** must comply with the following requirements:
- a) Following are minimum requirements for Joint Venture: -
- i. In accordance with PEC Bye Laws, Foreign Firms are required to form JVs with local Firms.
 - ii. The joint venture must collectively satisfy the technical evaluation criteria. Heretofore, for which purpose the relevant figures for each of the partners shall be added together to arrive at the JV's total capacity.
 - iii. The lead partner shares shall not be less than **51%** and members of JV should not be more than three.
 - iv. The bidder shall provide intended JV agreement at the time of bidding and the only successful bidder shall have to provide the JV agreement registered with sub registrar mentioning the joint and several liabilities with respect to the contract at the time of execution of contract agreement. In case of failure to provide register JV agreement at the time of contract agreement the securities submitted by the bidder shall be forfeited.
- b) Any change in a technically responsive/ qualified JV after evaluation, shall be subject to the written approval of the Procuring Agency such approval may be denied if: -
- i. Lead Partner withdraw from a JV and lead partner do not meet the qualifying / technical evaluation criteria; The new lead partner to a JV does not stand qualified/ responsive individually or as another JV; or
 - ii. In the opinion of the Procuring Agency, a substantial reduction in competition would result.
 - iii. One firm shall not be partner in more than one JV.
- c) Bid shall be signed by all members in the JV so as to legally bind all partners, jointly and severally.
- 24) The technically evaluation of a JV does not necessarily qualify any of its partners individually or as a partner in any other JV or association. In case of dissolution of a JV, each one of the constituent firms may be declared qualified / technically responsive if they meet all the requirements as described in technical criteria and any partner of JV has requested/shall request for the same and then his qualification shall be subject to the written approval of the Procuring Agency.
- 25) The Bidder (including all members of a JV) must not be associated, nor have been associated in the past, with the consultants or any other entity that has prepared the design, specifications and bidding documents for the project, or was proposed as Engineer for the contract, over the last five **(05) years**. Any such association may result in disqualification/ non-responsiveness of the Bidder.

- 26) A qualified firm/contractor/JV may participate only in one bid only for the contract. If a firm submits more than one bid, singly or as a JV, all bids including that bidder will be rejected.
- 27) Any Firm / Bidder may purchase bidding documents individually and participate in bidding by making/incorporating Joint Venture (JV) with the condition that intended JV agreement must be attached with Technical Proposal mentioning the joint and several liabilities with respect to the contract and only the successful bidder shall provide the JV agreement must be registered with sub registrar mentioning the joint and several liabilities with respect to the contract at the time of execution of contract agreement.
- 28) In case of JV bid security attached with bid shall be on account of Joint Venture or any firm member of JV.

TENDER QUOTED PRICE

The price quoted in tender shall be:

- i. In Pak Rupees;
- ii. Inclusive of All Taxes excluding **PRA tax**

BID SECURITY

The Tenderer shall furnish the Bid Security (Earnest Money) as under:

- i. For a sum equivalent to amount mentioned in Notice published on PPRA/EPADS denominated in Pakistani Rupees;
- ii. Any Bid not accompanied by acceptable Bid Security/Earnest money shall be rejected by the Procuring Agency as non-responsive. The bid security shall be uploaded on e-PADS in soft copy as well as hard copy (in original) of the same shall be submitted in the office of undersigned situated at **University of Rasul, Mandi Bahauddin**, before the E-bid Submission deadline otherwise bid shall be rejected.
- iii. In the form of Call Deposit Receipt (CDR)/**Bank Guarantee/Demand Draft/SDR/PO/Bankers Cheque** from any scheduled bank of Pakistan in favor of “**Treasurer University of Rasul Mandi Bahauddin.**” (NTN: 9022261-4)
- iv. The bid security must be on the account of bidder otherwise bid shall be rejected
- v. Having a minimum validity period of **28-Days** beyond the bid validity period.
- vi. The bid security of the bids found technically non-responsive shall be retained and shall be returned on the expiry of the grievance period or the decision of the complaint, if any, filed by the non-responsive bidder, whichever is later: provided that the procuring agency may return the sealed financial proposal earlier if the disqualified or non-responsive bidder, contractor submits an affidavit, through an authorized representative, to the effect that he is satisfied with the proceedings of the procuring agency.
- vii. The bid security of successful bidder shall be returned upon successful signing of contract agreement.

COMPLETION PERIOD

The project completion period is **02-Month** from the date of procurement order.

BID VALIDITY

The bid shall have a minimum validity period of **(60) day** from the last date for submission of the Tender. UOR may solicit the Tenderer's consent to an extension of the validity period of the Tender. The request and the response thereto shall be made in writing however the bid validity will be extended not more than **90-days**.

REQUIRED DOCUMENTS FOR TECHNICAL PROPOSAL

Documents should be attached along with technical proposal as per evaluation and qualification criteria as mentioned in bidding documents

REQUIRED DOCUMENTS FOR FINANCIAL PROPOSAL

Documents should be attached along with technical proposal as per evaluation and qualification criteria.

SUBMISSION CRITERIA & SCHEDULE:

Each Bidder shall submit his Bid as under:

- (a) ORIGINAL Electronic Bid on EPADS shall be submitted.
- (b) The ORIGINAL CDR will be addressed / identified as below.
 - i. Be addressed to the Procuring Agency as under:

Project Director

University of Rasul, Mandi Bahauddin

- ii. Bear the name and identification number of the contract as defined in the tender notice
- iii. If the bid is not marked as above, the Procuring Agency will assume no responsibility for the misplacement or premature opening of the Bid.
- (c) The technical bid should comprise of documents as per evaluation and qualification criteria which shall be placed in separate files
- (d) **Deadline for Submission of Bids**
 - i. Bids must be received by the Procuring Agency at the e-PADS link specified no later than the time and date stipulated in the tender notice

The procuring agency may reject all bids or proposals at any time prior to the acceptance of a bid or proposal under Punjab PPRA Rules 2014 (**Rule-35**)

SITE VISIT

All bidders are openly invited to visit and examine the site of work and its surroundings and obtain for themselves on their own responsibility all information that may be necessary for preparing the bid and entering into a contract. All cost in this respect shall be at the bidder's own expense. The bidders can Contact Project Director or his representative for any site visit schedules. The bidder must inform relevant person at least 2 days before site visit.

ELIGIBILITY CRITERIA (Part -A)

The firms fulfilling the following basic requirements shall only be considered for further evaluation (relevant documents to be attached):

- a) Registration with **PEC** in the respective Category **C-6** or above and with specialization in relevant solar code in (**EE-11**, (**EE11(vi) Solar Installation or EE11(iii) Solar Energy system**)) (*in case of JV**). Alternative Energy Development

Board (AEDB) certification in **C-3 & Above**. In case of Joint Venture, the Lead partner must be registered in the category **C-6 & Above** with the relevant code for PEC, and the other member/s should have at least registration from PEC. Further, at least one member of JV shall have AEDB certification in **C-3 & Above**. No foreign Firm(s) is allowed to participate whether as Single entity or Lead member of JV.

- b) Memorandum and Article of Association/Registration certificate of the Firm /Partnership deed registered with sub-registrar/ Affidavit of sole proprietorship / intended JV Agreement duly signed by all members clearly showing percentage share of all partners.
- c) Income Tax , GST, SECP and PRA registration certificate (NTN ,SECP, STRN,PRA).
- d) Annual Audit Report for the last **03 Financial years** duly certified by Chartered Accountant Firm.
- e) Appropriate complete design of Electrical, Mechanical & Civil works including SLD, Roof top installation design/drawing, lightning arrestor design, i.e complete design report in hard form and CAD file.
- f) No black listing certificate on **E-stamp paper** of **Rs.300** duly certified by Notary Public / Oath Commissioner.
- g) Authorizations from Original Equipment Manufacturer (OEM) of OEM Manufacturer/manufacture authority form (MAF)/ manufacture authority letter (MAL) for Solar Panels & Solar Inverters.

Note:-

- i. **In case of joint venture, any member of the Joint Venture has to fulfill the basic eligibility criteria and each member of JV shall have to meet Sr. No. b, c, d ,e, f & g .*
- ii. *Any Fake document shall result in black listing of firm.*
- iii. *All the documents must be in English language with sign & stamp and foreign language documents must be translated and attested from the embassy. (The non-attested translated documents will not be considered).*
- iv. **This part of evaluation shall be on knockout bases in case the bidder fails to comply any of the above requirements the bidder shall not be considered for further evaluation & will be considered as “non- responsive”**

Un-signed and un-stamped bids will be rejected.

TECHNICAL SPECIFICATIONS /Compliance Sheet (Part B)

Sr.	Description	Bidder to Specify
1	<p><u>Solar PV Modules</u> Providing and Fixing of Solar Module Jinko /JA Canadian/Longi Solar or equivalent (Tier-1) having specification: Wafer Type: N Type Bifacial, Cell Technology: Heterojunction (HJT) PV Panel: 590-620W or above , Cell Quality: A+ grade Manufacturing year :, 2025 Maximum Module Efficiency: 22% or above First Year Power Degradation:1% or less Product Warranty: 12 Years or more (From manufacturer), Linear output warranty: 25 years or more with complete Import documents and Original Equipment Manufacturer (OEM) of OEM Manufacturer authority certificate.</p> <p>Solar PV modules meeting the certifications of IEC 61730 safety qualification testing, IEC 61701- operation in corrosive atmosphere , IEC 61215- crystalline silicon PV Module qualification , string / array junction boxes IP-68, 3 bypass diode, protection class II, IEC 60439- 1, 3 , surge protection. Device:- Type 2 , DC 1000/1500V rated, PV module/string interconnection box MC4 compatible and IEC-61215 TUV - Rheinland, IEC 61730-1 TUV – Rheinland including cost of MC4 connectors. Complete in all respect as approved by engineer Incharge</p>	
2	<p><u>ON-Grid Inverter</u> Providing and fixing of 115-125kW IP 65 or above 3-Phase Grid Tied Inverter meeting the standard and specification of VDE-AR-N 4105 (Grid Type), VDE-0-126-1-1/AL "2012" (Grid Safety), IEC 61727 or similar (utility Interface standard for PV Power Plant 100KW), IEC 62103, 62109 and 62040 or UL 1741 (Safety of static inverters), IEC 62116 (Testing procedure of Islanding prevention methods), String Monitoring , WiFi Dongle and Data Logger for Remote Monitoring , Efficiency: 98% Peak. 80A or more current Make: Huawei/Solis/Goodwe or any approved equivalent with 5 years replacement local warranty with Original Equipment Manufacturer (OEM) of OEM Manufacturer certificate authority i.e complete in all respect as approved by Engineer Incharge</p>	
3	<p><u>Distribution Board</u> Providing and fixing smart MS distribution board (115-125 KW) floor/wall mounted of 16 SWG powder coated IP class 44 having 10 No. 4 pole 25/32A 1000 volt DC breaker, (Schneider/chint or equivalent), MCCB Four phase incoming 1 no 250 A (25KV), SPDs, Digital energy analyzer , indication lights ampere & volt selector switch and other locking arrangements, complete in all respect and as approved by Engineer in charge</p>	
4	<p><u>Mounting Structure:</u> Providing and fixing of 14 Gauge, Galvanized Steel mounting structure L2/(2-Panels) with SS 304 Nut bolts/mid clamps/end clamps and with 150km/h wind load test complete in all respect as approved by the engineer incharge</p>	

5	<p><u>DC Cable (For PV Connections)</u> Supply and erection of XLPE insulated, PVC sheathed copper conductor, 600/1000 volts grade cable, in prelaidd G.I. pipe/M.S. conduits/PVC pipe/G.I. wire/trenches, etc (rate for cable only):- 6 mm sq (7/0.044")</p>	
6	<p><u>AC Cable</u> Supply and erection of copper conductor cables for service connection, in prelaidd pipe/G.I. wire/trenches, etc. (rate for PVC insulated, PVC sheathed Four core, 600/1000 volt non armoured cable:- 70 mm sq (19/0.083"))</p>	
7	<p>Providing and fixing 4" deep cable tray with straight flange fabricated with perforated G.I. Sheet of specified guage, size and depth duly wall supported/ceiling hung, supported on painted brackets of MS angle iron of 1- 1/2"x1-1/2"x3/16" and MS patti of 1-1/2"x3/16" size @ 5 ft C/C, hangers i/c the cost of hardwares as approved and directed by the Engineer Incharge. (ii) 9"x4" (For AC/DC Cables)</p>	
8	<p>Providing and fixing 2" deep cable tray with straight flange fabricated with perforated G.I. Sheet of specified guage ,size and depth duly wall supported/ceiling hung, supported on painted brackets of MS angle iron of 1"x1"x1/8" and MS patti of 1-1/2"x3/16" size @ 5 ft C/C, hangers i/c the cost of hardwares as approved and directed by the Engineer Incharge. (i) 4"x 2" (For DC Cable)</p>	
9	<p>Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):- 7/1.12 mm (7/0.044") (Panel to Panel Earthing)</p>	
10	<p>Supply and erection of PVC pipe for wiring on surface including clamps inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials:-) 25 mm i/d</p>	
11	<p>Providing and fixing Pakistan Energy Label NEECA approved Copper winded wall bracket Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge 24" Sweep dia</p>	
	Earthing	
12	<p>Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):- 450/750 volts, PVC insulated: 25 mm sq (19/0.052") (For AC Earthing)</p>	
13	<p>Boring for tubewell in all types of soil except shingle and rock, from ground level to 100 ft. (30 m) depth, including sinking and withdrawing of casing pipe, complete: 3" (75 mm) i/d</p>	

14	Providing, making & testing/commissioning of Rod type Earth point comprising of 5/8" dia. (16 mm dia) 10 ft long copper coated M.S. rod driven in ground duly fixed with clamp with Tinned earth test link copper plate (300x50x10mm), i/c the cost of brass nuts, spacers, bolts washers lugs etc but excluding the cost of copper strand & manhole, as approved and directed by Engineer Incharge (Rod Type Earthing).	
15	Supply and erection of lightning arrestor horn type, complete	
16	Supply, installation, testing and commissioning of bare copper conductor for Earthing/ Grounding System 50 mm² CU bare conductor	
17	<u>Control Room Safety</u> Fire Extinguisher (Control Room for safety) Providing of Portable CO ₂ Fire Extinguisher- 5-kg (with hanging brackets and mounting arrangements)	
18	<u>Net Metering</u> Providing and fixing Reverse Meter including cost of design, Load flow study, NEPRA fees, Meter charges, Wapda charges and approved by relevant regulatory authorities i.e. NTDC, NEPRA etc complete in all respect (130kW System)	
19	<u>Civil Works</u> Providing / fixing pre cast Concrete Block having size of 1' x 1' x 1' consisting of PCC (1: 1-1/2 :3), i/c shifting on roof complete in all respect and as per drawing and design approved by Engineer Incharge	
20	<u>HRC Isolator</u> Providing and fixing of 400-Amp HRC Isolator complete in all respect as approved by the engineer incharge	
21	Providing and fixing of LT TOU Meter complete in all respect as approved by the engineer incharge	

Note:

1. **This part of evaluation shall be of knock out basis** if the bidder fails to provide the authorization from Original Equipment Manufacturer (OEM) of OEM Manufacturer/manufacture authority form (MAF)/ manufacture authority letter (MAL) for items mentioned at Sr. No. 1, 2 & 3 and fails to comply the given specifications he shall be considered as "non-responsive" and shall not be considered for further evaluation.
2. Similar to other than above or better specifications of an equivalent item will be accepted by the Bid Opening & Evaluation Committee. Bidder attaches brochure mentioning the relevant specifications. In absence of brochure the bid will be considered as "non-responsive" and the decision of the committee shall be final.
3. Section Drawings of structure with wind sustainable report with 150Km/h using SAP. Failing to Provide the bid will be considered as "non responsive"

Appropriate complete design of Electrical, Mechanical & Civil works including SLD, Roof top installation design/drawing, lightning arrestor/ESE design, i.e complete design In hard form and CAD file. Failing to Provide bid will be considered as "non responsive."

QUALIFICATION CRITERIA

Technical Evaluation will be based on the criteria given in succeeding paras regarding the Bidder's General Experience, Specific Experience, Personnel Capabilities, Equipment Capabilities & financial soundness as demonstrated by the Bidder's responses in the forms attached. The Procuring Agency reserves the right to waive minor deviations, if these don't materially affect the capability of a Bidder to perform the contract. Sub-contractor's experience and resources shall not be taken into account in determining the Bidder's compliance with the qualifying criteria. However, Joint Venture experience & resources shall be considered. Consortium or Association of Contractors will be considered for similar treatment as in case of Joint Venture. The detailed qualification criteria for Technical Evaluation is provided as follows:

Sr.No.	Category	Weightage/Marks
1.	General & Relevant Experience	50
2.	Personnel Capabilities	20
3.	Equipment Capabilities	10
4.	Working Capital/ Financial Strength and Audit Report	20
	Total:	100

The applicants must score total **70% marks** and at least 50 % marks in each category, to qualify.

SUB-CATEGORY A: EXPERIENCE RECORD

Bidder must meet following criteria for evaluation of the experience of the Firm/JV.

Sr. No.	Description	Max. Marks
i)	<u>Similar Projects Completed</u> a. Max 05-Projects completed of similar or higher PV capacity with Net Metering having Equal or more than 9.5(M) Cost of each Project with government departments completed over last 05 years (Evidence must be attached with customer/end user satisfied Report) <u>"6 marks for each Project"</u>	30
ii)	<u>Similar Projects (in hand)</u> a. Max 04-Projects in progress of similar or higher PV capacity with Net Metering having Equal or more than 9.5(M) Cost of each Project with government departments (Evidence must be attached with customer/end user work order, contractor letter) <u>"5 marks for each Project"</u>	20
	Sub-total:	50

SUB-CATEGORY B: PERSONNEL CAPABILITIES

The following key experts at a minimum shall be evaluated:

No personnel will be considered for evaluation if declaration of Professional Staff Employment & availability for this Project **(Form A-3) duly signed by authorized signatory** is not attached. Bidder will also provide **affidavit of employee** on judicial stamp paper.

Sr#	Description	Max. Points
i)	Engineers in employment of the contractor & Registered with PEC a) Number of Engineers (Min 1 No. Electrical) (5 marks for each engineer) b) Experience of Electrical Engineer (Minimum 05 years)	10 2.5
ii)	Number of Diploma Engineers in Employment of the Contractor a) Number of Sub Engineers having Diploma in Associate Engineering (Min 1-No Electrical) (2.5 Marks for each diploma engineer) b) Experience of Sub-Engineers in number of Years (Minimum 05 - years)	5 2.5
Sub-total:		20

Bidders will provide **short CVs**, showing details of experts are desired by highlighting the name of expert, qualification, year of graduation or other degree(s), general experience, specific experience, designation, time of association with this firm. Experience certificates, Educational degree supporting the qualification, affidavit of employee on judicial stamp paper. No marks if required documents are not attached.

SUB-CATEGORY C: EQUIPMENT CAPABILITIES

The following Equipment shall be evaluated:

Declaration of ownership/lease of Equipment (Form A-5) duly signed by authorized signatory shall be attached.

Sr. No	Equipment Type	Max.Marks
1	Megger / Earth Resistance Tester	2
2	PV Analyzer	2
3	Irradiance Meter	2
4	Solar Pathfinder	2
5	Toolbox & Drill bit HILTI	1
6	AC/DC Clamp Meter 1000V DC	1

Bidder will provide evidence of ownership in case of his purchased equipment or Lease paper in case of any rented equipment OR Affidavit on his letter head that he will arrange the following equipment subject to **award** the work.

SUB-CATEGORY D: WORKING CAPITAL & AUDIT REPORT

Annual Audit Report for Last 3 Years, Bank Statement / Credit Limits must be attached with this document

Sr#	Description	Max. Points
i)	Working Capital (other than running projects) = Current Assets – Current Liabilities	10

	<u>Marks distribution</u> 10 marks will be given if the available working capital for the last three years or available bank credit line limit is equal to 200 Million PKR or above For a limit less than 100 Million PKR, the following weightage will be applied: 10 Marks =200M (2 marks will be deducted for decreasing 20M)	
i)	Annual Turnover <u>Marks distribution</u> 10 marks will be given if the available average annual turnover for the last three years is equal to 200 Million PKR or above. For a limit less than 200 Million PKR, the following weightage will be applied: 10 Marks =200M (2 marks will be deducted for decreasing 20M)	10
	Sub-total:	20

Joint Venture (JV)

Joint Venture must comply with the following requirements: -

- a) Minimum qualification requirements: -
 - i) The lead partner shall meet not less than 50 percent of all qualifying criteria given in paras A to D heretofore.
 - ii) The joint venture must collectively satisfy the criteria of paras A to D, for which purpose the relevant figures for each of the partners shall be added together to arrive at the JV's total capacity.
- b) Any change in a qualified JV after qualification, shall be subject to the written approval of the Procuring Agency prior to the deadline for submission of bids. Such approval may be denied if:-
 - i) Partner(s) withdrawn from a JV and remaining partners do not meet the qualifying requirements;
 - ii) The new partners to a JV are not qualified individually or as another JV.

FINANCIAL SOUNDNESS/ AUDIT REPORT

Please attach here

GENERAL INFORMATION

Bidder (or each Member of a Joint Venture) applying for qualification is required to complete the information in this form.

1.	Name of Firm:		
2.	Head Office Address:		
3.	Telephone:		
4.	Email:		
5.	Type of Organization:		
6.	Place of Incorporation/ Registration:	Year of incorporation/ registration:	
7.	PEC Registration Category: PEC Registration No:	Validity:	
8.	NTN# & AEDB No.		
9.	Name, Designation, email and Mobile Number of Firm's Representative		

Detail of Owners/ Directors

	Name	Designation	Nationality
1.			
2.			
3.			
4.			
5.			

DETAILS OF CONTRACTS OF SIMILAR NATURE AND COMPLEXITY

Name of Applicant or partner of a joint venture

Use a separate sheet for each contract.

1.	Name of Contract
	Country
2.	Name of Procuring Agency
3.	Procuring Agency Address
4.	Nature of works and special features relevant to the contract for which the Applicant wishes to apply for
5.	Contract Role (Tick One) (a) Sole Contractor (b) Partner in a Joint Venture
6.	Value of the total contract (in specified currencies) at completion, or at date of award for current contract Currency..... Currency..... Currency.....
7.	Equivalent in Pak/Rs.
8.	Date of Award
9.	Date of Completion
10.	Contract Duration (Years and Months) _____ Years _____ Months
11.	Specified Requirements1

Insert any specific criteria required for particular operations, if any

SUMMARY SHEET: CURRENT CONTRACT COMMITMENTS/WORKS IN PROGRESS

Name of Applicant or partner of a joint venture

Applicants and each partner to an application should provide information on their current commitments on all contracts that have been awarded, or for which a letter of intent or acceptance has been received, or for contracts approaching completion, but for which substantial Completion Certificate has yet to be issued.

Name of Contract	Value of Outstanding work (Equivalent Pak Rs. Millions)	Estimated Completion Date
1.		
2.		
3.		
4.		
5.		
6.		

Application Form A-3**Page__of__Pages****PERSONNEL CAPABILITIES***Name of Applicant*

For specific positions essential to contract implementation, Applicants should provide the names of qualified to meet the specified requirements stated for each position. The data on their experience should be supplied on separate sheets using one Form for each candidate (Application Form A-4).

1.	Title of Position
	Name of Prime Candidate
	Name of Alternate Candidate
2.	Title of Position
	Name of Prime Candidate
	Name of Alternate Candidate
3.	Title of Position
	Name of Prime Candidate
	Name of Alternate Candidate
4.	Title of Position
	Name of Prime Candidate
	Name of Alternate Candidate

Application Form A-4

Page__of__Pages

<i>Name of Applicant</i>

CANDIDATE SUMMARY

Position		Candidate [Tick appropriate one] <input type="checkbox"/> Prime <input checked="" type="checkbox"/> Alternate	
Candidate information	1. Name of Candidate		2. Date of Birth
	3. Professional Qualification		
Present employment	4. Name of Procuring Agency		
	Address of Procuring Agency		
	Telephone	Contact (manager/personnel officer)	
	Fax	Telex	
	Job title of candidate	Years with present Procuring Agency	

*Summarize professional experience over the last **10-years**, in reverse chronological order. Indicate particular technical and managerial experience relevant to the Project.*

Month/ Dates/Years		Company / Project / Position / Relevant technical and management experience
From	To	

Application Form A-5

Page__of__Pages

EQUIPMENT CAPABILITIES

<i>Name of Applicant</i>

The Applicant shall provide adequate information to demonstrate clearly that he has the capability to meet the requirements for each and all items of equipment listed in the Instructions to Applicants. A separate Form shall be prepared for each item of equipment listed in the Instructions to Applicants, or for alternative equipment proposed by the Applicant.

Item of Equipment		
Equipment information	1. Name of manufacturer	2. Model and power rating
	3. Capacity	4. Year of manufacture
Current status	5. Current location	
	6. Details of current commitments	
Source	7. Indicate source of the equipment <div style="display: flex; justify-content: space-around; margin-top: 10px;"> Owned Rented Leased </div>	

Omit the following information if it is owned by the Applicant or partner.

Owner	8. Name of owner	
	9. Address of owner	
	Telephone	Contact name and title
	Fax	Telex
Agreement	Details of rental/lease specific to the Project.	

LITIGATION HISTORY

<i>Name of Applicant or Partner of a Joint Venture</i>
--

*Applicants, including each of the partners of a joint venture, should provide information on any history of litigation or arbitration resulting from contracts executed in the last **Ten (10)-years** or currently under execution (Instructions to Applicants). A separate sheet should be used for each partner of joint venture.*

Year	Award FOR or AGAINST Applicant	Name of Procuring Agency , cause of litigation, and matter in dispute	Disputed amount (current value Pak Rs. or equivalent)

LETTER OF TECHNICAL BID

&

SCHEDULES TO BID

LETTER OF TECHNICAL BID
FOR
PROVISION AND INSTALLATION OF 130kW SOLAR PV SYSTEM FOR ADMIN BLOCK
AT UNIVERSITY OF RASUL, MANDI BHAUDDIN

Dated_____

To,

Project Director
University of Rasul,
Mandi Bahauddin

Having examined the Bidding Documents including Instructions to Bidders, Conditions of Contract, Specifications, Drawings, Schedules to Bid, Schedule of Prices and Addenda Nos. for the execution of the above-named Works, we, the undersigned, being a company doing business under the name of and address.....

..... and being duly incorporated under the laws of hereby offer to execute and complete such Works and remedy any defects therein in conformity with the said documents including Addenda thereto.

1. We understand that all the Schedules attached hereto form part of this Bid.
2. As security for due performance of the undertakings and obligations of this Bid, we submit herewith a Bid Security in the amount of Pak Rs..... DCR No.....
Dated...../...../ Issued by Bank, Branch Name/Code... drawn in the favor (**if applicable as per contract agreement GOP**) of, or made payable to the Procuring Agency, and valid for a period **28-Days** beyond the period of validity of Bid.
3. We undertake, if our Bid is accepted, to commence the Works and to deliver and complete the whole of the Works comprised in the Contract within the time(s) stated in Preamble to the Conditions of Contract.
4. We agree to abide by this Bid for the period of **60-days** from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
5. We undertake, if our Bid is accepted to execute the Performance Security referred to in bidding documents for the due performance of the Contract. (**if applicable as per contract agreement GOP**)
6. Unless and until a formal Agreement is prepared and executed, this Bid, together with your written acceptance thereof, shall constitute a binding contract between.
7. We do hereby declare that the Bid is made without any collusion, comparison of figures or arrangement with any other person or persons making a Bid for the Works.
8. We, the firm or suppliers for any part of the Contract, do not have any conflict of interest.
9. We are not participating, as a Bidder or member of JV, in more than one bid in this bidding process.
10. We confirm, if our Bid is accepted, that all partners of the joint venture shall be liable jointly and severally for the execution of the Contract and the composition or the constitution of the joint venture shall not be altered without the prior consent of the Procuring Agency. (Please delete in case of Bid from a single firm).
11. Dated this **day of 2025**

NAME OF BIDDER _____
ADDRESS _____
SIGNATURE _____
STAMP _____

STANDARD FORMS

Standard Forms include the following:

- Form of Performance Security (Bank Guarantee)
- Form of Bank Guarantee/Bond for Advance Payment
- Integrity pact

BANK GUARANTEE
(See Clause 7)

Penal sum of bond _____
(express in words and figures)

KNOW ALL MEN BY THESE PRESENTS THAT Mr./MESSERS _____
(Name of contractor)

Whose official address is _____

As principal(s) (herein after referred to as principal) and the Bank of Punjab or scheduled Bank(s) of Pakistan (hereinafter appearing in the schedule of sureties, as sureties (hereinafter some time called the surety at the request of the principal are held and firmly bond to the Government of the Punjab acting through the Executive Engineer_____.

Division_____or his successor or assigns) a body organized and existing under and by virtue of laws of the Government of the Punjab, in the penal sum of the amount stated above lawful money for the payment of which sum well and truly made we bind ourselves our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

PROVIDED THAT We, the sureties, bound ourselves in such sum jointly and severally, as well as, severally only for the purpose of allowing a joint actions against any or all of us and for all other purposes, each surety bond itself, jointly and severally with the principal for the payment of such sum only as set forth opposite its name in the following schedule:-

SCHEDULE OF SURETIES

Name of bank, branch and address	Limit of liability

The conditions of the above obligations is such that:

WHEREAS, the tender of the above bounden principal has been accepted and he has entered into a contract with the Project Director _____ Division _____ for the work _____ (*Name of work*) _____ on the _____ day of _____ 20_____

AND WHEREAS, under the terms of the contract Government has required the principal to furnish a performance guarantee to form a part of the contract.

NOW THEREFORE, it is agreed as follows:-

1) If the above bounden principal shall well truly and faithfully perform the contract and

comply with and fulfill all the undertakings, terms and provisions thereof, and satisfy all the obligations of the said principal arising there under, and comply with all covenants therein contained and contained in the specifications, plan and other instruments constituting a part of the contract, required to be performed by the said principal, in the manner and within the time provided in the contract or any extension thereof that may be granted by the Government with or without notice to the surety(s) and shall fully indemnify and the Government, for all costs and damages which the Government may suffer by reason of failure so to do, and shall fully reimburse and repay the said Project Director all out-lay and expenses which may incur in making good any such default and reasonable counsel fee incurred in the prosecution of defense of any action arising out of or in connection with any such default, and shall pay all persons who have contracts directly with the principal for labour and materials; if any, in connection with the work performed under the contract or any addition in or alternation thereto, or if the contract has not otherwise been rescinded by the Government under the provisions of clause 60 if general conditions of contract, then this obligation shall be null and void and of no effect, otherwise to remain in full force and effect and virtue.

- 2) The said surety, for value received, hereby stipulate and agree that no change in or in respect of any matter or thing concerning the said contract on the part of the Government or the Engineer-in-charge, extension in time, alteration in or addition to the terms of the contract between the Government and the contractor or to the extent and nature of the work be construed, completed and maintained there under, or the specifications accompanying the same shall in any way affect its obligations to this guarantee and it does hereby waive notice of any change extension in time, alteration or addition to the terms of the contractor to the specifications.
- 3) The liability of the surety is irrevocable and shall in no case exceed the aggregate amount stated on the top of this guarantee which each surety binds itself and promise to pay the whole or any part of this amount on demand to the Project Director without question and without reference to the principal. Provided that the notice of demand shall be given by the aforesaid Executive Engineer, in writing to the surety.

IN WITNESS WHEREOF, the above named principal and the surety have executed this instrument under its seal on this _____ day of 20_____.

The name and corporate seal of the surety being hereto affixed and these presents duly signed by its undersigned representatives pursuant to the authority of its Government body.

Principal (Contractor)

Address _____

Sureties 1 _____ Bank of Pakistan Ltd. Or Bank of Punjab _____ Branch

FORM OF BANK GUARANTEE/BOND FOR ADVANCE PAYMENT

Guarantee No. _____

Executed on _____

Expiry date _____

[Letter by the Guarantor to the Procuring Agency]

WHEREAS the _____ (hereinafter called the
Procuring Agency) has entered into a Contract for

(Particulars of Contract) _____, with _____ (hereinafter called the
Contractor) _____

AND WHEREAS the Procuring Agency has agreed to advance to the Contractor, at the Contractor's request, an amount of Rupees _____
(Rs. _____) which amount shall be advanced to the Contractor as per provisions of the Contract.

AND WHEREAS the Procuring Agency has asked the Contractor to furnish Guarantee to secure advance payment for performance of his obligations under the said Contract.

AND WHEREAS _____ (Bank)
(hereinafter called the Guarantor) at the request of the Contractor and in consideration of the Procuring Agency agreeing to make the above advance to the Contractor, has agreed to furnish the said Guarantee.

NOW THEREFORE the Guarantor hereby guarantees that the Contractor shall use the advance for the purpose of above mentioned Contract and if he fails, and commits default in fulfillment of any of his obligations for which the advance payment is made, the Guarantor shall be liable to the Procuring Agency for payment not exceeding the aforementioned amount.

Notice in writing of any default, of which the Procuring Agency shall be the sole and final judge, as aforesaid, on the part of the Contractor, shall be given by the Procuring Agency to the Guarantor, and on such first written demand payment shall be made by the Guarantor of all sums then due under this Guarantee without any reference to the Contractor and without any objection.

This guarantee shall come into force as soon as the advance payment has been credited to the account of the Contractor.

This guarantee shall expire not later than _____
by which date It is understood that you will return this Guarantee to us on expiry or after
settlement of the total amount to be claimed hereunder.

Guarantor (Bank)

Witness:

1. _____	Signature _____
_____	Name _____
Corporate Secretary (Seal)	Title _____

2. _____

Name, Title & Address (Seal)

Corporate Guarantor

INTEGRITY PACT*[To be filled and signed by the Bidder on Judicial Stamp Paper of Rs. 100]***DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS OF
GOODS, SERVICES & WORKS IN CONTRACTS WORTH RS. 10.00 MILLION OR MORE**

Dated _____

Contract Value: Rs. _____

**Contract Title: PROVISION AND INSTALLATION OF 130kW SOLAR PV SYSTEM
FOR ADMIN BLOCK AT UNIVERSITY OF RASUL, MANDI BAHAUDDIN**

[Name of Supplier/ Contractor / Manufacturer] 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 (GoP) or any administrative subdivision or agency thereof or any other entity owned or controlled by GoP through any corrupt business practice. Without limiting the generality of the foregoing, [Name of Supplier/ Contractor / Manufacturer] represents and warrants that it has fully declared the brokerage, commission, fees 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 consultation 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/ Contractor / Manufacturer] 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, representation or warranty.

[Name of Supplier/ Contractor / Manufacturer] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts 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 rights 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/ Contractor / Manufacturer] 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/ Contractor / Manufacturer] 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.

Name of Buyer:

Name of Seller/Supplier:

Signature:

[Seal]

Signature:

[Seal]

UNIVERSITY OF RASUL

FINANCIAL BID Part-II



PROVISION AND INSTALLATION OF 130kW SOLAR PV SYSTEM FOR ADMIN BLOCK AT UNIVERSITY OF RASUL, MANDI BAHAUDDIN

NAME OF FIRM					
ADDRESS					
Diary No.		DATED		RS.	
ISSUED BY					

**PROJECT DIRECTOR
UNIVERSITY OF RASUL**

LETTER OF FINANCIAL BID SUBMISSION

FOR

PROVISION AND INSTALLATION OF 130kW SOLAR PV SYSTEM FOR ADMIN BLOCK AT UNIVERSITY

Dated _____

To,

Project Director

University of Rasul, Mandi Bahauddin

Gentlemen,

1. Having examined the Bidding Documents including Instructions to Bidders, Conditions of Contract, Specifications, Drawings, Schedules to Bid, Schedule of Prices and Addenda Nos. for the execution of the above-named Works, we, the undersigned, being a company doing business under the name of and address..... and being duly incorporated under the laws of..... hereby offer at a total cost Rs.....to execute and complete such Works and remedy any defects therein in conformity with the said documents including Addenda thereto.
2. We understand that all the Schedules attached hereto form part of this Bid.
3. We undertake, if our Bid is accepted, to commence the Works and to deliver and complete the whole of the Works comprised in the Contract within the time(s) stated in Preamble to the Conditions of Contract.
4. We agree to abide by this Bid for the period of **60-days** from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
5. We undertake, if our Bid is accepted to execute the Performance Security referred to in bidding documents for the due performance of the Contract. **(if applicable as per contract agreement GOP)**
6. Unless and until a formal Agreement is prepared and executed, this Bid, together with your written acceptance thereof, shall constitute a binding contract between.
7. We do hereby declare that the Bid is made without any collusion, comparison of figures or arrangement with any other person or persons making a Bid for the Works.
8. We, the firm or suppliers for any part of the Contract, do not have any conflict of interest.
9. We are not participating, as a Bidder or member of JV, in more than one bid in this bidding process.
10. We confirm, if our Bid is accepted, that all partners of the joint venture shall be liable jointly and severally for the execution of the Contract and the composition or the constitution of the joint venture shall not be altered without the prior consent of the Procuring Agency. (Please delete in case of Bid from a single firm).
11. Dated this day of... .. 2025.

NAME OF BIDDER _____
 ADDRESS _____
 SIGNATURE _____
 STAMP _____

**PROVISION AND INSTALLATION OF 130kW SOLAR PV SYSTEM FOR ADMIN BLOCK
AT UNIVERSITY OF RASUL, MANDI BHAUDDIN**

Financial Bid (Part B)

(All pages must be signed & Stamp)

Sr.#	Description	Unit	Qty	Rate (Rupees)	Amount (Rupees)
1	<p><u>Solar PV Modules</u> Providing and Fixing of Solar Module Jinko /JA Canadian/Longi Solar or equivalent (Tier-1) having specification: Wafer Type: N Type Bifacial, Cell Technology: Heterojunction (HJT) PV Panel: 590-620W or above , Cell Quality: A+ grade Manufacturing year :, 2025 Maximum Module Efficiency: 22% or above First Year Power Degradation:1% or less Product Warranty: 12 Years or more (From manufacturer), Linear output warranty: 25 years or more with complete Import documents and Original Equipment Manufacturer (OEM) of OEM Manufacturer authority certificate.</p> <p>Solar PV modules meeting the certifications of IEC 61730 safety qualification testing, IEC 61701- operation in corrosive atmosphere , IEC 61215- crystalline silicon PV Module qualification , string / array junction boxes IP-68, 3 bypass diode, protection class II, IEC 60439- 1, 3 , surge protection. Device:- Type 2 , DC 1000/1500V rated, PV module/string interconnection box MC4 compatible and IEC-61215 TUV - Rheinland, IEC 61730- 1 TUV – Rheinland including cost of MC4 connectors. Complete in all respect as approved by engineer Incharge</p>	Each	214		
2	<p><u>ON-Grid Inverter</u> Providing and fixing of 115-125kW IP 65 or above 3-Phase Grid Tied Inverter meeting the standard and specification of VDE-AR-N 4105 (Grid Type), VDE-0-126-1-1/AL "2012" (Grid Safety), IEC 61727 or similar (utility Interface standard for PV Power Plant 100KW), IEC 62103, 62109 and 62040 or UL 1741 (Safety of static inverters), IEC 62116 (Testing procedure of Islanding prevention methods), String Monitoring , WiFi Dongle and Data Logger for Remote Monitoring , Efficiency: 98% Peak. 80A or more current Make: Huawei/Solis/Goodwe or any approved equivalent with 5 years replacement local warranty with Original Equipment Manufacturer (OEM) of OEM Manufacturer certificate authority i.e complete in all respect as approved by engineer Incharge</p>	Each	1		
3	<p><u>Distribution Board</u> Providing and fixing smart MS distribution board (115-125 KW) floor/wall mounted of 16 SWG powder coated IP class 44 having 10 No. 4 pole 25/32A 1000 volt DC breaker, (Schneider/chint or equivalent), MCCB Four phase incoming 1 no 250 A (25KV), SPDs, Digital</p>	Job	1		

	energy analyzer , indication lights ampere & volt selector switch and other locking arrangements, complete in all respect and as approved by Engineer in charge				
4	<u>Mounting Structure:</u> Providing and fixing of 14 Gauge, Galvanized Steel mounting structure L2/2 Panels with SS 304 Nut bolts/mid clamps/end clamps and with 150km/h wind load test complete in all respect as approved by the engineer incharge	Each	107		
5	<u>DC Cable (For PV Connections)</u> Supply and erection of XLPE insulated, PVC sheathed copper conductor, 600/1000 volts grade cable, in prelaid G.I. pipe/M.S. conduits/PVC pipe/G.I. wire/trenches, etc (rate for cable only):-) 6 mm sq (7/0.044")	P.Rft	3,200		
6	<u>AC Cable</u> Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for PVC insulated, PVC sheathed Four core, 600/1000 volt non armoured cable:- 70 mm sq (19/0.083"))	P.Rft	120		
7	Providing and fixing 4" deep cable tray with straight flange fabricated with perforated G.I. Sheet of specified guage, size and depth duly wall supported/ceiling hung, supported on painted brackets of MS angle iron of 1-1/2"x1-1/2"x3/16" and MS patti of 1-1/2"x3/16" size @ 5 ft C/C, hangers i/c the cost of hardwares as approved and directed by the Engineer Incharge. (ii) 9"x4" (For AC/DC Cables)	P.Rft	50		
8	Providing and fixing 2" deep cable tray with straight flange fabricated with perforated G.I. Sheet of specified guage ,size and depth duly wall supported/ceiling hung, supported on painted brackets of MS angle iron of 1"x1"x1/8" and MS patti of 1-1/2"x3/16" size @ 5 ft C/C, hangers i/c the cost of hardwares as approved and directed by the Engineer Incharge. (i) 4"x 2" (For DC Cable)	P.Rft	250		
9	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):- 450/750 volts, PVC insulated: 25 mm sq (19/0.052") (For AC/DC Earthing)	P.Rft	120		
10	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):- 7/1.12 mm (7/0.044") (Panel to Panel Earthing)	P.Rft	300		
11	Supply and erection of PVC pipe for wiring on surface including clamps inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials:- 25 mm i/d	P.Rft	200		
12	Providing and fixing Pakistan Energy Label NEECA approved Copper winded wall bracket Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge 24" Sweep dia	Each	1		
	Earthing				

13	Boring for tubewell in all types of soil except shingle and rock, from ground level to 100 ft. (30 m) depth, including sinking and withdrawing of casing pipe, complete: 3" (75 mm) i/d	P.Rft	150		
14	Providing, making & testing/commissioning of Rod type Earth point comprising of 5/8" dia. (16 mm dia) 10 ft long copper coated M.S. rod driven in ground duly fixed with clamp with Tinned earth test link copper plate (300x50x10mm), i/c the cost of brass nuts, spacers, bolts washers lugs etc but excluding the cost of copper strand & manhole. as approved and directed by Engineer Incharge (Rod Type Earthing).	P.Job	3		
15	Supply and erection of lightning arrestor horn type, complete	Each	1		
16	Supply, installation, testing and commissioning of bare copper conductor for Earthing/ Grounding System 50 mm² CU bare conductor	P.Rft	3		
17	Control Room Safety Fire Extinguisher (Control Room for safety) Providing of Portable CO ₂ Fire Extinguisher- 5-kg (with hanging brackets and mounting arrangements)	Each	2		
18	Net Metering Providing and fixing Reverse Meter including cost of design, Load flow study, NEPRA fees, Meter charges, Wapda charges and approved by relevant regulatory authorities i.e. NTDC, NEPRA etc complete in all respect (130kW System)	P.Watt	130,000		
19	Civil Works Providing / fixing pre cast Concrete Block having size of 1' x 1' x 1' consisting of PCC (1: 1-1/2 :3), i/c shifting on roof complete in all respect and as per drawing and design approved by Engineer Incharge	Cft	428		
20	HRC Isolator Providing and fixing of 400-Amp HRC Isolator complete in all respect as approved by the engineer incharge	Each	1		
21	Providing and fixing of LT TOU Meter complete in all respect as approved by the engineer incharge	Each	1		
Sub Total (In words and figures)					
Add 5% PRA					
Grand Total (In words and figures)					

Note:

1. All taxes applicable as per Government Policy.
2. Government of the Punjab Contract Agreement (updated) will be applicable.
3. Overall Lowest Bidder will be awarded contract with mentioned terms and conditions. No item wise rates will be accepted.
4. Estimated cost without PRA Rs. **9,289,712** Estimated cost with 5% PRA Rs. **9,754,093**
5. In case of any dispute in rates committee decision will be final.

Sign and stamp of Bidder

(Sign every page of bid)

**DESIGN OF ELECTRICAL, MECHANICAL & CIVIL WORKS INCLUDING SLD, ROOF TOP
INSTALLATION DESIGN/DRAWING, LIGHTNING ARRESTOR DESIGN**

Please attach here