



SINDH HEALTHCARE COMMISSION

Quality Care for All

NOTICE INVITING TENDER

TENDER FOR DESIGN, SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF BATTERY BASED 8kW SOLAR PV SYSTEMS (OFF GRID) AT SHCC DHQs

Sindh Healthcare Commission (SHCC) has been established by Govt. of Sindh under Sindh Healthcare Commission Act 2013, to improve the quality of health care services and ban quackery in the Province of Sindh in all its forms and manifestations. SHCC intends to design, supply, installation, testing and commissioning of battery based 8 kW solar PV systems (Off-Grid) at SHCC DHQs under **single stage, two envelope procedure**:

Tender Description	Tender No.	Tender Document Collection	Tender / Bid Opening Date & Venue
Design, Supply, Installation, Testing & Commissioning of Battery based 8kW Solar PV System (Off Grid) at SHCC DHQs 1. Hyderabad 2. Mirpurkhas 3. Nawabshah (SBA) 4. Sukkur 5. Larkana	SHCC/DHR&A/ Solarization/ 008	Start Date: 19th May, 2025 End Date: 11th June, 2025. (Up to 10:00AM)	Bid to be submitted via E-PADS portal, before 11:00 AM on 11th June, 2025 & to be opened on 11th June, 2025 at 11:30AM at SHCC Office Block C, 2nd Floor, FTC Building, Shahrah-e-Faisal, Karachi.

1. The Sindh Healthcare Commission intends to design, supply, installation, testing and commissioning of battery based 8 kW solar PV systems (Off-Grid) at SHCC DHQs from firms/ companies having valid registrations with Income Tax Department / NTN / Sales Tax Number, Sindh Revenue Board (SRB) and Pakistan Engineering Council (PEC) Registration in Category C-6 and above with relevant codes e.g. (EE11) and registered with e-Pak Acquisition Disposal System (EPADS) for E-Procurement.
2. The intending firms shall attach relevant documents or equivalence certificates. (as per the Bidding Document)
3. Detailed bidding documents can be downloaded from the website of SPPRA as well as www.shcc.org.pk or obtained from the office of the Director HR & Admin (SHCC) at the address given below on any working day during office hours w. e. f. 19th May, 2025 between 9:00 am to 5:00 pm by paying an amount of Rs. 3,000/- (Non-Refundable) in the shape of pay order in favor of "Sindh Healthcare Commission" till 10:00 AM 11th June, 2025.
4. Most Advantageous Bid Method will be used for bid evaluation based on the requirements as per the tender document.
5. The Bid shall be submitted before 11:00 am on 11th June, 2025 via E-PADS portal.
6. Bid Security equivalent to 2.0% of total bid value in the form of Pay Order / Demand Draft / Banker's Cheque in favor of Sindh Healthcare Commission, Karachi shall be submitted in sealed envelope. The bids without the Bid Security will be rejected.
7. SHCC reserves the right to reject any or all bids without assigning any reason and annul the bidding process, in accordance with SPPRA rules.

DIRECTOR HR & ADMIN

SINDH HEALTHCARE COMMISSION

BLOCK C, 2ND FLOOR, FTC BUILDING, SHAHRA E FAISAL, KARACHI,

Tel. 021-38656000, UAN: 021-111-117-422 Email: shr@a@shcc.prg.pk

INF-KRY-1621/25

WORK FOR SINDH
www.iwork4sindh.com
JOB PORTAL BY
INFORMATION DEPARTMENT

DESIGN, SUPPLY, INSTALLATION, TESTING &
COMMISSIONING OF **08** KW BATTERY BASED SOLAR
PV SYSTEM (OFF GRID) AT THE DHQS OF SINDH
HEALTHCARE COMMISSION (SHCC)

REF # SHCC/DHR&A/SOLARIZATION/008



Sindh Healthcare Commission (SHCC)

02nd Floor, Block C, FTC Building, Shara e Faisal,
Karachi, Pakistan

Phone: (+ 92) (21) (38656000), UAN: 021-111-117-422

URL: www.shcc.org.pk

INVITATION FOR BIDS

- i. SHCC (SHCC) “**Employer**” invites electronic bids from Contractors/Firms registered with Pakistan Engineering Council (PEC) Registration in Category C-6 and above with relevant codes e.g. (EE11) and registered with e- Pak Acquisition Disposal System (EPADS) for E-Procurement for the “Design, Supply, Installation, Testing & Commissioning of Battery based Solar PV Systems (Off Grid) of **08 kW**” at its DHQs through E-PADS.
- ii. Single Stage – Two Envelope bidding process will be adopted. Bidding Documents containing detailed terms and conditions are available at SHCC"s website i.e., [<https://SHCC.org.pk/>]. The Bidding Documents can be downloaded from SHCC website and from Sindh Public Procurement Regulatory Authority (SPPRA) website
- iii. The Contractors/Firms shall have valid registrations with FBR and included in active taxpayer list maintained by FBR/, Income Tax Department / NTN / Sales Tax Number, Sindh Revenue Board (SRB)/ relevant federal / provincial revenue authority.
- Iv All the applicants have to fulfill the mandatory eligibility requirements given in the bidding data under instructions to Bidders. If any bidder/company does not fulfill any of the above requirements for bid evaluation criteria (IB-12) shall be considered as disqualified and no further evaluation of such bidder/company/firm will be done.
- v. All duties, taxes, insurance and other levies payable by the Contractor/Firms under the Contract, or for any other cause shall be included in the rates and prices and the total Bid Price submitted by a Contractors/Firms.
- vi. Government shall deduct taxes at the rate prescribed under tax laws of Pakistan, from all payments for service rendered and work done by a Contractor/Firm sign a contract.
- vii. All bids accompanied by a 2% Bid Security **in** shape of pay-order/demand Draft issued in favor of **Sindh Healthcare Commission**, must reach at the office of SHCC on or before, **June 11, 2025**-, at **11:00 AM**.
- Viii The Technical Bids will be opened on the same day at **11:30 AM** in the presence of the bidders" representative who choose to attend at the same address. This advertisement along with instructions is available on <https://SHCC.org.pk>.

Director HR & Admin
Sindh Healthcare Commission
2nd Floor, Block C, FTC Building, Shara e Faisal, Karachi.
Tel: 021-38656000

INSTRUCTIONS TO BIDDERS

INSTRUCTIONS TO BIDDERS

(Note: These Instructions to Bidders along with Bidding Data will not be part of the Contract and will cease to have effect once the contract is signed.)

A. GENERAL

IB.1 Scope of Bid

- 1.1 The SHCC wishes to receive bids for the Design, Supply, Installation, Testing & Commissioning of battery based solar PV system as described in these Bidding Documents, and summarized in the Bidding Data hereinafter referred to as the “**Works**”.
- 1.2 The Successful Bidder will be expected to complete the Works within the time of **Three** months, as specified in Appendix-A to the Bid.

IB.2 Source of Funds

- 2.1 The Employer has available to it sufficient resources / funds to completely finance the supply, construction and completion of the Works.

IB.3 Eligible Bidders

- 3.1 This Invitation for Bids is open to all bidders registered PEC C-6 or above, in the relevant category.

IB.4 One Bid per Bidder

- 4.1 Each bidder shall submit only one bid against each site of installation. A bidder who submits alternative bid will be disqualified.

IB.5 Cost of Bidding

- 5.1 The bidders shall bear all costs associated with the preparation and submission of their respective bids and the Employer will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

IB.6 Site Visit

- 6.1 The bidders may visit and examine the Site of Works 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 for the Works. All cost in this respect shall be at the bidder's own expense.
- 6.2 The bidders and any of their personnel or agents will be granted permission by the SHCC to enter upon its premises and lands for the purpose of such inspection, but only upon the express condition that the bidders, their personnel and agents, will release and indemnify the Employer, his personnel and agents from and against all liability in respect thereof and will be responsible for death or personal injury, loss of or damage to property and any other loss, damage, costs and expenses incurred as a result of such inspection.

B. BIDDING DOCUMENTS

IB.7 Contents of Bidding Documents

- 7.1 The Bidding Documents, in addition to invitation for bids, are those stated below and should be read in conjunction with any Addenda issued in accordance with Clause IB.9.
 1. Instructions to Bidders;
 2. Bidding Data;
 3. Letters of Technical Bid & Price Bid;
 4. Appendices to Bid;
 5. Conditions of Contract;
 6. Contract Data;
 7. Form of Contract Agreement;
 8. Specifications.
- 7.2 The bidders are expected to examine carefully the contents of all the above Bidding Documents. Failure to comply with the requirements of bid submission will be at the Bidder's own risk. Pursuant to Clause IB.26, bids which are not substantially responsive to the requirements of the Bidding Documents will be rejected.

IB.8 Clarification of Bidding Documents

- 8.1 Any prospective bidder requiring any clarification(s) in respect of the Bidding Documents may notify the SHCC in writing at the SHCC's address indicated in the Invitation for Bids. **The SHCC will respond to any request for clarification which he receives at least five (5) days after advertisement of the tender.**

IB.9 Amendment of Bidding Documents

- 9.1 At any time prior to the deadline for submission of bids, the SHCC may, for any reason, whether at his own initiative or in response to a clarification requested by a prospective bidder, modify the Bidding Documents by issuing addendum.
- 9.2 Any addendum thus issued shall be part of the Bidding Documents pursuant to Sub-Clause 7.1 hereof and shall be communicated in writing to all purchasers of the Bidding Documents. Prospective bidders shall acknowledge receipt of each addendum in writing to the SHCC.
- 9.3 To afford prospective bidders reasonable time in which to take an addendum into account in preparing their bids, the SHCC may extend the deadline for submission of bids in accordance with Clause IB.20

C. PREPARATION OF BIDS

IB.10 Language of Bid

- 10.1 The bid and all correspondence and documents related to the bid exchanged by a bidder and the SHCC shall be in English.

IB.11 Documents Comprising the Bid

- 11.1 **The Bid shall comprise two parts submitted simultaneously, one called the Technical Bid and the other Financial Bid, containing the documents listed in Bidding Data under the heading of 11.1 A & B respectively. Each bidder shall furnish all the documents as specified in Bidding Data at 11.1 A & B.**
- 11.2 The Bidder shall furnish, as part of the Technical Bid, a Technical Proposal including a statement of work methods, equipment, personnel, schedule and any other information as stipulated in the Bidding Forms, in sufficient detail to demonstrate the adequacy of Bidders' proposal to meet the Works requirements and the completion time referred to in sub-clause 1.2 hereof.

IB.12 Bid Prices

- 12.1 Unless stated otherwise in the Bidding Documents, the Contract shall be for the whole of the Works for each site as described in Sub-Clause 1.1 hereof, based on lump sum price of the Works. **The criteria for evaluation of bids are provided in the Bidding Data.**
- 12.2 All duties, taxes and other levies payable by the Contractor under the Contract, or for any other cause shall be included in the rates and prices and the total Bid Price submitted by a bidder. After the date of bid submission deadline, any additional / reduced duties, taxes and levies due to subsequent additions or changes in legislation shall be reimbursed / deducted.

IB.13 Currencies of Bid and Payment

- 13.1 The price of the Works shall be quoted by the bidders entirely **in Pak rupees**.

IB.14 Bid Validity

- 14.1 Bids shall remain valid for the period of 90 (ninety) days after the Date of Bid Opening.
- 14.2 In exceptional circumstances, prior to expiry of the original bid validity period, the Employer may request that the bidders extend the period of validity for a specified additional period which shall in no case be more than the original bid validity period. The request and the responses thereto shall be made in writing. A bidder may refuse the request without forfeiting his Bid Security. A bidder agreeing to the request will not be required or permitted to modify his bid, but will be required to extend the validity of his Bid Security for the period of the extension, and in compliance with Clause IB.15 in all respects.

IB.15 Bid Security

- 15.1 Each bidder shall furnish, as part of his bid, a 2% Bid Security of the total bid value in Pak Rupees.
- 15.2 The Bid Security shall be, at the option of the bidder, in the form of Demand Draft/ Call Deposit Receipt/ Pay Order issued by a Scheduled Bank in Pakistan in favor of and acceptable to the Employer valid for a period thirty (30) days beyond the Bid Validity date.
- 15.3 Any bid not accompanied by an acceptable Bid Security shall be rejected by the Employer as non-responsive.
- 15.4 The bid securities of unsuccessful bidders will be returned as promptly as possible, but **not later than fifteen (15) days** after the expiration of the period of Bid Validity.
- 15.5 The Bid Security of the Successful Bidder will be returned when the bidder has furnished the required Performance Security and signed the Contract.
- 15.6 The Bid Security may be forfeited:
- (a) If the bidder does not accept the correction of his Bid Price pursuant to Sub-Clause 27.2 hereof; or
 - (b) In case of Successful Bidder, if he fails within the specified time limit to:
 - (i) Furnish the required Performance Security; or
 - (ii) Sign the Contract.

IB.16 Alternate Proposal by Bidder

- 16.1 Bidder offering alternative proposal/bid shall be rejected.

IB.17 Pre-Bid Meeting

- 17.1 The Employer may, on his own motion/discretion or at the request of any prospective bidder(s), hold a pre-bid meeting to clarify issues and to answer any questions on matters related to the Bidding Documents. The date, time and venue of pre-bid meeting is as stipulated in the Bidding Data. All prospective bidders or their authorized representatives shall be invited to attend such a pre-bid meeting.
- 17.2 The bidders are requested to submit questions, if any, in writing so as to reach the Employer not later than three (3) days before the proposed pre-bid meeting.
- 17.3 Any modification of the Bidding Documents listed in Sub-Clause 7.1 hereof which may become necessary as a result of the pre-bid meeting shall be made by the Employer exclusively through the issue of an Addendum pursuant to Clause IB.9 and not through the minutes of the pre-bid meeting.
- 17.4 Absence at the pre-bid meeting will not be a cause for disqualification of a bidder.

IB.18 Format and Signing of Bid

- 18.1 Bidders are particularly directed that the amount entered on the Form of Bid shall be for performing the Contract strictly in accordance with the Bidding Documents.
- 18.2 All appendices to Bid are to be properly completed and signed.
- 18.3 No alteration is to be made in the Form of Bid nor in the Appendices thereto except in filling up the blanks as directed. If any such alterations be made or if these instructions be not fully complied with, the bid may be rejected.

- 18.4 The bids shall be signed by a person duly authorized to sign on behalf of the bidder. This authorization shall consist of a written confirmation as specified in the Bidding Data and shall be attached to the bid.
- 18.5 The bid shall contain no alterations, omissions or additions, except to comply with instructions issued by the Employer, or as are necessary to correct errors made by the bidder, in which case such corrections shall be initialed by the person signing the bid.
- 18.6 Bidders shall indicate in the space provided in the Form of Bid their full and proper addresses at which notices may be legally served on them and to which all correspondence in connection with their bids and the Contract is to be sent.

D. SUBMISSION OF BIDS

IB.19 Sealing and Marking of Bids

- 19.1 Each bidder shall submit his bid via E-PADS portal by SPPRA before the submission deadline i.e. 11th June, 2025 (11:00AM).

IB.20 Deadline for Submission of Bids

- 20.1 Earnest Money must be received by the Employer at the address specified no later than the time and date stipulated in the Bidding Data or such extended deadline as the Employer has duly notified in accordance with Clause IB.9.
- 20.2 The Employer may, at his discretion, extend the deadline for submission of bids by issuing an amendment in accordance with Clause IB.9, in which case all rights and obligations of the Employer and the bidders previously subject to the original deadline will thereafter be subject to the deadline as extended.

E. BID OPENING AND EVALUATION FOR SINGLE STAGE TWO ENVELOPE BIDDING PROCEDURE

IB.23 Bid Opening

- 23.1 The Employer will open the Technical Bids in public at the address, date and time specified in the Bidding Data in the presence of Bidders' designated representatives and anyone who choose to attend. The Financial Bid will open after completion of Technical Evaluation.

IB.25 Clarification of Bids

- 25.1 To assist in the examination, evaluation and comparison of bids, the Employer may, at his discretion, ask any bidder for clarification of his bid. The request for clarification and the response shall be in writing but no change in the price or substance of the bid shall be sought, offered or permitted except as required to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the bids in accordance with Clause IB.28.
- 25.2 If a bidder does not provide clarifications of its Bid by the date and time set in the Employer's request for clarification, its bid may be rejected.

IB.26 Examination of Bids and Determination of Responsiveness

- 26.1 Prior to the detailed evaluation of bids, the Employer will determine whether each bid is substantially responsive to the requirements of the Bidding Documents.
- 26.2 A substantially responsive bid is one which
 - (i) meets the eligibility and qualification criteria under the Bidding Documents;
 - (ii) has been properly signed;
 - (iii) is accompanied by the required Bid Security; and
 - (iv) conforms to all the terms, conditions and specifications of the Bidding Documents, without material deviation or reservation.A material deviation or reservation is one
 - (i) which affect in any substantial way the scope, quality or performance of the Works;
 - (ii) which limits in any substantial way, inconsistent with the Bidding Documents, the Employer's rights or the bidder's obligations under the Contract; or
 - (iii) adoption/rectification whereof would affect unfairly the competitive position of other bidders presenting substantially responsive bids. Only substantially responsive bids shall be considered for further evaluation.
- 26.3 If a bid is not substantially responsive, it will be rejected by the Employer, and may not subsequently be made responsive by correction or withdrawal of the non-conforming deviation or reservation. The Employer may, however, seek confirmation / clarification in writing which shall be responded in writing.

IB.27 Correction of Errors

- 27.1 Bids determined to be substantially responsive will be checked by the Employer for any arithmetic errors and where there is a discrepancy between the amounts in figures and in words, the amount in words will govern.
- 27.2 The amount stated in the Form of Bid will be adjusted by the Employer in accordance with the above procedure for the correction of errors and with the concurrence of the bidder, shall be considered as binding upon the bidder. If the bidder does not accept the corrected Bid Price, his Bid will be rejected, and the Bid Security shall be forfeited in accordance with Sub- Clause 15.6(a) hereof.

IB.28 Evaluation and Comparison of Bids

- 28.1 The Employer will evaluate and compare only those Bids which are substantially responsive in accordance with Clause IB.26.
- 28.2 In evaluating the Bids, the Employer will determine for each Bid the evaluated Bid Price by adjusting the Bid Price for errors pursuant to Clause IB.27.
- 28.3 The estimated effect of the price adjustment provisions of the Conditions of Contract due to Variation, applied over the period of execution of the Contract, shall not be taken into account in Bid evaluation.

F. AWARD OF CONTRACT

IB.29 Award

- 29.1 Subject to Clauses IB.30 and IB.34, the Employer will award the Contract to the bidder whose bid has been determined by the Employer to be substantially responsive to the Bidding Documents and who has offered the **Most advantageous** Bid Price, provided that such bidder has been determined to be eligible in accordance with the provisions of Clause IB.3 and qualify pursuant to criteria provided in the Bidding Documents.
- 29.2 The Employer, at any stage of the bid evaluation, having credible reasons for or *prima facie* evidence of any defect in supplier's or contractor's capacities, may require the suppliers or contractors to provide information concerning their professional, technical, financial, legal or managerial competence whether already pre-qualified or not:

Provided that such qualification shall only be laid down after recording reasons therefor in writing. They shall form part of the records of that bid evaluation report.

IB.30 The Employer's Right to Accept any Bid and to Reject any or all Bids

- 30.1 Notwithstanding anything contained herein, the Employer reserves the right to accept or reject any Bid, and to annul the bidding process and reject all bids, at any time prior to award of Contract, without thereby incurring any liability to the affected bidders or any obligation except that the grounds for rejection of all bids shall upon request be communicated to any bidder who submitted a bid, without justification of grounds. Rejection of all bids shall be notified to all bidders promptly.

IB.31 Notification of Award

- 31.1 Prior to expiration of the period of bid validity prescribed by the Employer, the Employer will notify the successful bidder in writing ("Letter of Acceptance") that his Bid has been accepted. This letter shall name the sum which the Employer will pay the Contractor in consideration of the execution and completion of the Works by the Contractor as prescribed by the Contract Agreement (hereinafter and in the Conditions of Contract called the "Contract Price").
- 31.2 No Negotiation with the bidder having evaluated as lowest responsive or any other bidder shall be permitted.
- 31.3 The notification of award and its acceptance by the bidder will constitute the formation of the contract, binding the Employer and the bidder till signing of the formal Contract.
- 31.4 Upon furnishing by the successful bidder of a Performance Security, the Employer will promptly notify the other bidders that their Bids have been unsuccessful and return their bid securities.

IB.32 Performance Security

- 32.1 The successful bidder shall furnish to the Employer a Performance Security in the form and the amount stipulated in the Bidding Data and the Conditions of Contract within a period of seven (7) working days after the receipt of Letter of Acceptance.
- 32.2 Failure of the successful bidder to comply with the requirements of Sub-Clause IB.32.1 or Clauses IB.33 or IB.35 shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security.

IB.33 Signing of Contract Agreement

- 33.1 Simultaneously with the furnishing of acceptable Performance Security under the Conditions of Contract, the formal Contract Agreement between the Employer and the Successful Bidder (s) shall be executed.

IB.34 General Performance of the Bidders

The Employer reserves the right to obtain information regarding performance of the bidders on their previously awarded contracts/works. The Employer may in case of consistent poor performance of any Bidder as reported by the employers of the previously awarded contracts, inter alia, reject his bid and/or take such action as may be deemed appropriate under the circumstances of the case including black listing of such Bidder.

IB.35 Integrity Pact

The Bidder shall sign and stamp the Integrity Pact provided at Appendix C to Bid in the Bidding Documents for all Government procurement contracts exceeding Rupees ten million. Failure to provide such Integrity Pact shall make the bidder non-responsive.

IB.36 Instructions not Part of Contract

Bids shall be prepared and submitted in accordance with these Instructions which are provided to assist bidders in preparing their bids, and do not constitute part of the Bid or the Contract Documents.

BIDDING DATA

BIDDING DATA

The information in this section is complementary to, amends or supplements the provisions in the Instructions to Bidders. Whenever there is conflict, the provisions herein shall take precedence over those in the Instructions to Bidders.

Reference to instruction to Bidder	Bidding Data
IB-I 1.1	Name of the Project & Summary of the Works “Design, Supply, Installation, Testing & Commissioning of 08 KW battery based Solar PV System (Off Grid) at the DHQs of Sindh Healthcare Commission (SHCC). The Works shall be performed/executed as per the Specifications provided in the Bidding Documents and approved Contractor Design based on each site of installation as per the Conditions of Contract”.
1.1	Name and Address of Employer Sindh Healthcare Commission (SHCC), 2 nd Floor, Block C, FTC Building, Karachi
IB-10 10.1	<u>Bid Language:</u> English
IB-11 11.1	<u>11.1 (A)</u> The Bidder shall submit with its Technical Bid the following documents: (a) Letter of Technical Bid (b) Bid Security (IB.15) (c) Technical Brochure of Quoted items (d) Written confirmation authorizing the signatory of the Bid to commit the Bidder (IB.18.5) (e) Proposed Construction Schedule (Appendix-A) (f) Past Performance and Financial Strength (Appendix-B) (g) Integrity Pact (Appendix-C) (j) Affidavit of blacklisting (Appendix-D) <u>11.1 (B)</u> The Bidder shall submit with its Financial Bid the following documents: (a) Letter of Price Bid (b) Price Schedule
IB-12	<u>Bid Evaluation Criteria shall be as follows:</u>

	<p>1. MANDATORY ELIGIBILITY</p> <p>Only the Firms/Companies fulfilling the following basic requirements shall be considered for further evaluation (relevant documents to be attached):</p> <p>(a) Local firms/ companies may participate in this process having valid registrations with Income Tax Department / NTN / Sales Tax Number, Sindh Revenue Board (SRB)/ relevant federal / provincial revenue authority and Pakistan Engineering Council (PEC) Registration in Category C-6 and above with relevant codes e.g. (EE11) and registered with e- Pak Acquisition Disposal System (EPADS) for E-Procurement.</p> <p>(b) The interested firms/ companies must have completed at least five (05) solar projects and each equal to or more than 08kW solar PV capacity during the last three (03) years in Pakistan. (Project Completion Certificate issued by Client must be attached along with Client contact numbers)</p> <p>(c) The Applicant shall provide a Non-Judicial Affidavit declaring no blacklisting and no litigation from any government agency or any financial institution.</p> <p>(d) Audit Report (s) duly certified by a Chartered Accountant Firm for the last three (03) years. Average turnover of Rs. 10 Million or above for the last three years (2021-2022, 2022-2023, 2023-2024).</p> <p>All the Applicants have to fulfil the requirements mentioned in this sub-Clauses (a to d). If any bidder/company not fulfill any of the above requirements mention in sub clauses (a to d) shall be considered as disqualified and no further evaluation will be done.</p>
IB-14 14.1	<p><u>Bid Validity</u></p> <p>Period of Bid Validity shall be ninety (90) days from the date of Bid Opening.</p>
IB-15 15.1	<p><u>Bid Security</u></p> <p>Amount of Bid Security shall be Rs. 2% of the total bid value.</p>
IB-17 17.1	<p><u>Pre-Bid Meeting</u></p> <p>N/A</p>
IB-19 19.2 (a)	<p><u>Address for the purpose of submission of Bid Security:</u></p> <p>Sindh Healthcare Commission (SHCC), 2nd Floor, Block C, FTC Building, Karachi</p>
IB-20 20.1	<p><u>Deadline for submission of Bids:</u></p> <p>11th June, 2025 before 11:00 AM</p>

IB-32 32.1	<p><u>Performance Security:</u> 10% of the Contract Price. The Performance security shall be in the form of Bank Draft, CDR or Pay Order.</p>
	<p>Following clauses are added in Instructions to Bidders:</p> <p>IB.37 Sufficiency of Bid Each Bidder shall be deemed to have satisfied fully, before submitting the Bid, as to all aspects of the Works, correctness and sufficiency of his Bid and price stated in the Price Bid which price shall, except in so far as it is otherwise expressly provided in the Contract Agreement, cover all his obligations under the Contract Agreement and all matters and things necessary for the proper completion of Works. Objections, excuses or claims made by the bidder after submission of his Bid to the Employer shall not be entertained.</p> <p>IB.39 Taxes & Duties The Bidder shall obtain all information as to Pakistan Income Tax, Sales Tax, Salaries Tax, Professional Tax, Company Tax, Municipal Octroi, Levies and any other taxes imposed by the local bodies, export and import duties, import surcharge, iqra surcharge, etc. and necessary permits and confirm the requirements thereof at his own responsibility and include all such cost in his Bid price. The quoted rate shall also include the cost of accepting the general risks/liabilities and obligations set forth or implied in the Contract.</p>

CONDITIONS OF CONTRACT

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1. GENERAL PROVISIONS

1.1 *Definitions*

In the Contract as defined below, the words and expressions defined shall have the following meanings assigned to them, except where the context requires otherwise:

The Contract

1.1.1 “Contract” means the Contract Agreement and the other documents listed therein.

1.1.2 “Specifications” means the minimum specifications of the equipment being parts of the net-metering based solar PV System as set out in the Bidding Documents and any Variation to such document.

Persons

1.1.3 “Employer” means the person named in the Contract Data and the legal successors in title to this person, but not (except with the consent of the Contractor) any assignee.

1.1.4 "Contractor" means the person named in the Contract Data whose Bid has been accepted by the Employer and the legal successors in title to such person, but not (except with the consent of the Employer) any assignee of such person.”

1.1.5 “Party” means either the Employer or the Contractor.

Dates, Times and Periods

1.1.6 “Commencement Date” means the date as mentioned in the Contract Data.

1.1.7 “Day” means a calendar day.

1.1.8 “Time for Completion” means the time for completion of the Works as stated in the Contract Data (or as extended under Sub-Clause 7.3), calculated from the Commencement Date.

Money and Payments

- 1.1.9 “Cost” means all expenditure properly incurred (or to be incurred) by the Contractor, whether on or off the Site, including overheads and similar charges but does not include any allowance for profit.

Other Definitions

- 1.1.10 “Contractor’s Equipment” means all machinery, apparatus and other things required for the execution of the Works but does not include Materials or System intended to form part of the Works.
- 1.1.11 “Country” means the Islamic Republic of Pakistan.
- 1.1.12 “Employer’s Risks” means those matters listed in Sub-Clause 6.1.
- 1.1.13 “Force Majeure” means an event or situation beyond the control of a Party that is not foreseeable, is unavoidable and its origin is not due to negligence or lack of care on the part of such Party. Such events subject to the conditions as stated in the preceding sentence may include, but not be limited to, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.
- 1.1.14 “Materials” means things of all kinds (other than System) to be supplied and incorporated in the Works by the Contractor.
- 1.1.15 “System” means the machinery and apparatus intended to form or forming part of the Works.
- 1.1.16 “Site” means the place mentioned in the Contract Data where the Works are to be executed, and any other place(s) specified in the Contract as forming part of the Site.
- 1.1.17 “Variation” means a change which is instructed by the Employer under Sub-Clause 10.1.
- 1.1.18 “Works” means any or all the works including design, supply, installation, construction, testing and commissioning of the System to be performed by the Contractor including temporary works and any Variation thereof.
- 1.1.19 “Engineer” means a qualified engineer/engineering firm appointed by the Employer to act as independent engineer for the purpose of the Contract for review of the Contractor Design, equipment inspection and verification of installed System.
- 1.1.20 “Letter of Acceptance” means the formal acceptance by the Employer of the Tender.

1.1.21 "Tender" means the Contractor's priced offer to the Employer for the execution and completion of the Works and the remedying of any defects therein in accordance with the provisions of the Contract, as accepted by the Letter of Acceptance.

1.2 Interpretation

Words importing persons or parties shall include firms and organizations. Words importing singular or one gender shall include plural or the other gender where the context requires.

1.3 Priority of Documents

The documents forming the Contract are to be taken as mutually explanatory of one another. If an ambiguity or discrepancy is found in the documents, the priority of the documents shall be in accordance with the order as listed in the General Provisions of the Conditions of Contract.

1.4 Law

The rights and obligations of the Parties under the Contract shall be governed by laws of the Islamic Republic of Pakistan.

1.5 Communications

All Communications related to the Contract shall be in English language.

1.6 Statutory Obligations

The Contractor shall comply with the laws of the Islamic Republic of Pakistan and shall give all notices and pay all fees and other charges in respect of the Works.

2. THE EMPLOYER

2.1 Provision of Site

The Employer shall provide the Site and right of access thereto at the times stated in the Contract Data.

2.2 Permits etc.

The Contractor shall be exclusively responsible to apply for and obtain license from NEPRA if so applicable.

2.3 Employer's Instructions

The Contractor shall comply with all instructions given by the Employer, in respect of the Works including the suspension of all or part of the Works.

2.4 *Approvals*

No approval or consent or absence of comment by the Employer shall affect the Contractor's obligations required under the Contract.

3. EMPLOYER'S REPRESENTATIVES

The Employer shall appoint and notify in writing a duly authorized person to act for him, if deemed necessary.

4. THE CONTRACTOR

4.1 *General Obligations*

The Contractor shall carry out the Works as per the highest standards of workmanship in the solar industry and in accordance with the terms and conditions of the Contract. The Contractor shall provide all supervision, labour, materials, plant and Contractor's equipment which may be required for the execution of the Works and shall also arrange all permits and licenses at his own cost, required for installation, commissioning and operation of the System.

4.2 *Contractor's Representative*

The Contractor shall appoint a representative at site on full time basis to supervise the execution of Works and to receive instructions on behalf of the Contractor but only after obtaining the consent of the Employer for such appointment which consent shall not be unreasonably withheld by the Employer. Such authorized representative may be substituted/replaced by the Contractor at any time during the Contract Period but only after obtaining the consent of the Employer as aforesaid.

4.3 *Subcontracting*

The Contractor shall not subcontract the whole of the Works. The Contractor may subcontract any part of the Works but the burden of responsibility lies with the contractor.

4.4 *Performance Security*

The Contractor shall furnish to the **Employer within seven (07) working days** after receipt of Letter of Acceptance a Performance Security, in the form of CDR/ Bank Draft/ Demand Draft from any Scheduled Bank of Pakistan acceptable to the Employer for the amount and validity specified in Contract Data.

5. DESIGN BY CONTRACTOR

5.1 *Submission and Approval of Contractor Design*

The Contractor shall promptly submit the Contractor Design to the Employer for approval. Within fifteen (15) days of receipt, the Employer

shall notify any comments or the submitted design shall be considered as approved. The Contractor shall not construct any element of the Works designed by him within fifteen (15) days after the design has been submitted to the Employer or which has been rejected. Design that has been rejected shall be promptly amended and resubmitted.

5.2 *Responsibility for Design*

Notwithstanding that the Contractor Design is submitted and approved by the Employer, the Contractor shall solely remain responsible for his rendered design under this Contract, which shall not only be in strict conformity with the Employer Design and Specifications but also be fit for the intended purposes defined in the Contract. In addition, the Contractor shall also be solely responsible for any infringement of any patent or copyright in respect of such design.

6. EMPLOYER'S RISKS

6.1 *The Employer's Risks*

The Employer's Risks are: -

- a)** politically motivated riot, commotion or disorder by persons other than the Contractor's personnel and other employees including the personnel and employees of Sub-Contractors, directly affecting the Site and/or the Works;
- b)** use or occupation by the Employer of any part of the Works, except as may be specified in the Contract;
- c)** late handing over of Site;
- d)** a suspension under Sub-Clause 2.3 unless it is attributable to the Contractor's failure; and
- e)** physical obstructions or physical conditions other than climatic conditions, encountered on the Site during the performance of the Works, for which the Contractor immediately notified to the Employer and accepted by the Employer.

6.2 *Loss or Damage due to Employer's Risks*

In the event of any such loss or damage happening from any of the risks defined in Sub-Clause 6.1 or force majeure, or in combination with other risks, the Contractor shall, if and to the extent required by the Employer, rectify the loss or damage and the Employer shall determine an addition to the Contract Price in accordance with Clause 10 and shall notify the Contractor accordingly. In the case of a combination of risks causing loss or damage any such determination shall take into account the proportional responsibility of the Contractor and the Employer.

7. TIME FOR COMPLETION

7.1 *Execution of the Works*

The Contractor shall commence the Works on the Commencement Date and shall proceed expeditiously and without delay and shall complete the Works within 3 months from the receipt of Award of Contract.

7.2 *Programme*

Within the time stated in the Contract Data, the Contractor shall submit to the Employer a detailed programme for the Works incorporating the dates, which programme shall be in-line with the Proposed Construction Schedule submitted along with the Bid.

7.3 *Extension of Time*

The Contractor shall, within such time as may be reasonable under the circumstances, notify the Employer of any event(s) falling within the scope of Sub-Clause 6.1 or 10.3 of these Conditions of Contract and request the Employer for a reasonable extension in the time for the completion of Works. Subject to the aforesaid, the Employer shall determine such reasonable extension in the time for the completion of Works as may be justified in the light of the details/particulars supplied by the Contractor in connection with the such determination by the Employer within such period as may be prescribed by the Employer for the same; and the Employer shall extend the Time for Completion as determined.

7.4 *Late Completion*

If the Contractor fails to complete the Works within the Time for Completion, the Contractor's only liability to the Employer for such failure shall be to pay the amount stated in the Contract Data for each day for which he fails to complete the Works.

8. TAKING-OVER

8.1 *Notice of Completion by the Contractor*

The Contractor shall notify in writing to the Employer when he considers that the Works are complete in all aspects.

8.2 *Taking-Over Notice*

Within ten **(10) days** of receipt of notice of completion from the Contractor, the Employer shall determine the conformity of the installed System with the approved Contractor Design and notify the Contractor that the Works are complete in accordance with the Contract. The Employer shall take over the Works upon the issue of this notice and issue Work Completion Certificate to the Contractor.

8.3 *Defect Liability Period*

Defect Liability Period shall be as stated in the Contract Data.

9. REMEDYING DEFECTS

9.1 *Remedying Defects*

The Employer may at any time prior to the expiry of the period stated in the Contract Data, notify the Contractor of any defects. The Contractor shall remedy at no cost to the Employer any defects due to the Contractor Design, Materials, System or workmanship not in accordance with the Contract.

The Cost of remedying defects attributable to any other cause shall be valued as a Variation. Failure to remedy any such defects or complete outstanding work within a reasonable time shall entitle the Employer to carry out all necessary works at the Contractor's cost.

9.2 *Uncovering and Testing*

The Employer may give instruction as to the uncovering and/or testing of any work. Unless as a result of an uncovering and/or testing it is established that the Contractor Design, Materials, System or workmanship are in accordance with the Contract, the Contractor shall be paid for such uncovering and/or testing as a Variation in accordance with Sub-Clause 10.2.

9.3 The Contractor at his own responsibility shall arrange all hoisting and fixing equipment necessary for the satisfactory completion of work and shall make good any damage to the existing surface.

10. VARIATIONS AND CLAIMS

10.1 Right to Vary

The Employer may instruct Variations.

10.2 Valuation of Variations

Variations shall be valued at a lump sum price mutually agreed between the Parties.

10.3 Early Warning

The Contractor shall notify the Employer in writing as soon as he is aware of any circumstance which may delay or disrupt the Works. The Employer reserves the right to accept/ reject the request for extension of Time for Completion.

10.4. Valuation of Claims

If the Contractor incurs Cost as a result of any of the Employer's Risks, the Contractor shall be entitled to the amount of such Cost. If as a result of any Employer's Risk, it is necessary to change the Works, this shall be dealt with as a Variation subject to Contractor's notification for intention of claim to the Employer within fourteen (14) days of the occurrence of cause.

10.5 Variation and Claim Procedure

The Contractor shall submit to the Employer an itemized make-up of the value of Variations and claims within twenty-one (21) days of the instruction or of the event giving rise to the claim. The Employer shall check and if possible agree the value. In the absence of agreement on the claim, the Employer shall determine the value.

11. CONTRACT PRICE AND PAYMENT TERMS

11.1 Contract Price

The Contract price shall be as provided in the Contract Data.

11.2 *Payment Terms and Statements*

Subject to the terms and conditions of the Contract, the Contractor shall be entitled to be paid the Contract Price as given in the Contract Data.

12. **DEFAULT**

12.1 *Default by Contractor*

If the Contractor abandons the Works, refuses or fails to comply with a valid instruction of the Employer or fails to proceed expeditiously and without delay, or is, despite a written complaint, in breach of the Contract, the Employer may give notice referring to this Sub-Clause and stating the default.

If the Contractor has not taken all practicable steps to remedy the default within seven (07) days after receipt of the Employer's notice, the Employer may by a second notice given within a further fourteen (14) days, terminate the Contract. The Contractor shall then immediately demobilize from the Site leaving behind any and all contractor's Equipment which the Employer instructs, in the second notice, to be used for the completion of the Works at the risk and cost of the Contractor.

12.2 *Default by Employer*

If the Employer fails to pay in accordance with the Contract, or is, despite a written complaint, in breach of the Contract, the Contractor may give notice referring to this Sub-Clause and stating the default. If the default is not remedied within fourteen (14) days after the Employer's receipt of this notice, the Contractor may suspend the execution of all or parts of the Works.

12.3 *Insolvency*

If a Party is declared insolvent under any applicable law, the other Party may by notice terminate the Contract which shall be effective fourteen (14) days after receipt of notice by the other party. The Contractor shall then immediately demobilize from the Site leaving behind, in the case of the contractor's insolvency, any contractor's Equipment which the Employer instructs in the notice is to be used for the completion of the Works.

12.4 *Payment upon Termination*

After termination, the Contractor shall not be entitled to any payment except that work has been completed as per the scope of works defined in this bidding document.

13. RISKS AND RESPONSIBILITIES

13.1 *Contractor's Care of the Works*

The Contractor shall take full responsibility for the care of the Works from the Commencement Date until the date of the Employer's issuance of Certificate of Completion under Sub-Clause 8.2. Responsibility shall then pass to the Employer. If any loss or damage happens to the Works during the above period, the Contractor shall rectify such loss or damage so that the Works conform with the Contract.

Unless the loss or damage happens as a result of any of the Employer's Risks, the Contractor shall indemnify the Employer, or his agents against all claims loss, damage and expense arising out of the Works.

13.2 *Force Majeure*

If Force Majeure occurs, the Contractor shall notify the Employer immediately. If necessary, the Contractor may suspend the execution of the Works and, to the extent agreed with the Employer demobilize the contractor's Equipment.

If the event continues for a period of eighty-four (84) days, either Party may then give notice of termination which shall take effect twenty-eight (28) days after the giving of the notice.

After termination, the Contractor shall be entitled to payment of the unpaid balance of the value of the Works executed and of the Materials and System reasonably delivered to the Site, adjusted by the following:

- a) any sums to which the Contractor is entitled under Sub-Clause 10.4,
- b) the cost of his demobilization, and
- c) less any sums to which the Employer is entitled.

14. INSURANCE

At all times during the execution of the Works, the Contractor shall maintain property insurance on the System for the replacement cost thereof, except for items (a) to (e) of the Employer's Risks.

15. RESOLUTION OF DISPUTES

15.1 *Employer's Decision*

If a dispute of any kind whatsoever arises between the Employer and the Contractor in connection with the Works, the matter in dispute shall, in the first place, be referred in writing to the Employer. Such reference shall state that it is made pursuant to this Clause. No later than the twenty-eight (28) days after the day on which he received such reference, the Employer shall give notice of his decision to the Contractor.

Unless the Contract has already been repudiated or terminated, the Contractor shall, in every case, continue to proceed with the Works with all due diligence, and the Contractor shall give effect forthwith to every such decision of the Employer unless and until the same shall be revised, as hereinafter provided in an arbitral award.

15.2 *Notice of Dissatisfaction*

If the Contractor is dissatisfied with the decision of the Employer or if no decision is given within the time set out in Sub-Clause 15.1 here above, the Contractor may give notice of dissatisfaction referring to this Sub-Clause within fourteen (14) days of receipt of the decision or the expiry of the time for the decision. If no notice of dissatisfaction is given within the specified time, the decision shall be final and binding on the Contractor. If notice of dissatisfaction is given within the specified time, the decision shall be binding on the Contractor who shall give effect to it without delay unless and until the decision of the Employer is revised by an arbitrator.

15.3 *Arbitration*

A dispute which has been the subject of a notice of dissatisfaction shall be finally settled between the successful bidder and the Employer where the Arbitration is to be chaired by the CEO, SHCC.

16 INTEGRITY PACT

16.1 If the Contractor, or any of his Sub-Contractors, agents or servants is found to have violated or involved in violation of the Integrity Pact signed by the Contractor as Appendix-C to his Bid, then the Employer shall be entitled to:

- (a) recover from the Contractor an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by the Contractor or any of his Sub-Contractors, agents or servants;
- (b) terminate the Contract; and
- (c) recover from the Contractor any loss or damage to the Employer as a result of such termination or of any other corrupt business practices of the Contractor or any of his Sub-Contractors, agents or servants.

On termination of the Contract under Sub-Para (b) of this Sub-Clause, the Contractor shall immediately demobilize from the Site leaving behind Contractor's Equipment which the Employer instructs, in the termination notice, to be used for the completion of the Works at the risk and cost of the Contractor. Payment upon such termination shall be made under Sub-Clause 12.4, in accordance with Sub-Para (c) thereof, after having deducted the amounts due to the Employer under Sub-Para (a) and (c) of this Sub-Clause.

17. PRIORITY OF CONTRACT DOCUMENTS:

The priority list of contractual documents shall be as follows:

- (a) Contract Agreement;
- (b) Letter of Acceptance;
- (c) Specifications and Design
- (d) Contract Data;
- (e) Conditions of Contract;
- (f) Letters Technical Bid and Price/Financial Bid;
- (g) The Price Schedule; and
- (h) The Appendices to Bid.

CONTRACT DATA

CONTRACT DATA

Conditions of Contract

Sr. #	Description	Clause Conditions of Contract	Explanation
1.	Employer's name and address	1.1.4	Sindh Healthcare Commission (SHCC)
2.	contractor's name	1.1.5	[Name of the Successful Bidder]
3.	Commencement Date	1.1.7	Commencement Date shall be the date when the following conditions have been fulfilled: 1. The Site is formally handed over to the Contractor by the Employer by written authorization.
4.	Site	1.1.17	<p>Hyderabad Office No.B-06, Mir Hussainabad Society (Near Khizara Masjid & Wali Bhai Park) Unit-3, Latifabad, Hyderabad</p> <p>Mirpurkhas Bangalow # A-14, Satellite Town-II, Mirpurkhas</p> <p>Shaheed Benazirabad (Nawabshah) Office No. D-23, Block-A, Nawabshah Cooperative Housing Society, Shaheed Benazirabad</p> <p>Sukkur Bangalow # A-06, Professor Co-Operative Housing Society Shikarpur Road, Near Pakola Chowk – Sukkur</p> <p>Larkana Bungalow No. A-32, Sachal Colony, Larkana</p>
5.	Engineer's name and address	1.1.20	N/A
6.	Access to site	2.1	Within two (2) days of signing of Contract
7.	Subcontracting	4.3	The aggregate amount of the works subcontracted shall not exceed 40% of the Contract.
8.	Amount of Performance Security	4.4	Ten (10%) of Contract Price stated in the Letter of Acceptance.

9.	Validity of Performance Security	4.4	Validity of Performance Security shall be twenty-five (24) months from the issuance of Work Completion Certificate (WCC) by the Employer.
10.	Time Completion	7.1	Ninety (90) days from the Commencement Date.
11.	Time for furnishing Programme	7.2	Within seven (7) days from the date of receipt of Letter of Acceptance.
12.	Amount of Liquidated Damages	7.4	The rate of the Liquidated Damages (LD) shall be 0.05% of the Contract Price stated in the Letter of Acceptance for every day of delay in which whole or part of the work(s) remained unfurnished subject to a maximum of 10% of the Contract Price.
13	Defects Liability Period	8.3	Two years calculated from the date of Work Completion Certificate issued by the Employer. Defect Liability Certificate shall be issued within 14 days after Defect Liability Period.

14.	Remedying Defect Period	9.1	Within fourteen (14) days after notice of defect.
15.	Contract Price	11.1	As stated in the Letter of Acceptance.
16.	Payment Terms		<p>(i) <u>Advance Payment:</u></p> <p>No advance payment allowed.</p> <p>(ii) <u>Final Payment:</u></p> <p>Payment shall be released within 60 days from date of Work Completion Certificate.</p>
17.	Seat of Arbitration	15.3	Karachi

LETTER OF TECHNICAL BID

Date: -----

Bid Reference No: _____

(Name of Contract/Works)

To:

Director HR & Admin, SHCC,
2nd Floor Block C, FTC Building, Karachi

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with instructions to Bidders (IB) 9;
- (b) We offer to execute and complete in conformity with the Bidding Documents the Works (as defined in the Bidding Documents);
- (c) Our Bid consisting of the Technical Bid and the Bid Price shall be valid for a period of ninety (90) days from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (d) As security for due performance of the undertakings and obligations of our bid, we hereby submit a Bid Security, in the amount specified in Bidding Data, which is valid (at least) thirty (30) days beyond validity of Bid itself;
- (e) We confirm that our Bid is not in deviation of any technical and commercial terms as provided in the Bidding Documents;
- (f) We are not participating, as a Bidder or as a subcontractor, in more than one bid in this bidding process; and
- (g) We agree to permit Employer or its representative to inspect our accounts and records and other documents relating to the bid submission and to have them audited by auditors. This permission is extended for verification of any information provided in our Technical Bid which comprises all documents enclosed herewith in accordance with IB 11.1 of the Bidding Data.

Name

In the Capacity of

Signed

Duly authorized to sign the Bid for and on behalf of:-----

Date:-----

Address:-----

LETTER OF PRICE/ FINANCIAL BID

Date: _____

Bid Reference No: _____

(Name of Contract/Works)

To:

[Head of the Procuring Agency/Employer]

[Employer's Address]

We, the undersigned, declare that:

- a. We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with instructions to Bidders (IB) 9;
- b. The total price of our Bid is (inclusive of supply and installation along with all duties and taxes), is PKR [●];
- c. Our Bid shall be valid for a period of ninety (90) days from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- d. If our Bid is accepted, we commit to obtain and post a Performance Security in accordance with the Bidding Documents;
- e. We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed and we do hereby declare that the Bid is made without any collusion, comparison of figures or arrangement with any other bidder for the works;
- f. We understand that you are not bound to accept the Most Advantageous bid or any other bid that you may receive; and
- g. If awarded the contract, the person named below shall act as Contractors Representative.

Name

In the capacity of

Signed

Duly authorized to sign the Bid for and on behalf of -----

Date

Address

APPENDICES TO BID

Appendix-A to Bid

PROPOSED CONSTRUCTION SCHEDULE

Please note that the Works shall be completed within the time period stated in the Contract Data. The Bidder shall provide as Appendix-A to Bid, the Construction Schedule in the bar chart showing the sequence of work items and the period of time during which he proposes to complete each work item in such a manner that his proposed programme for completion of whole of the Works and parts of the Works shall not exceed the time period specified in the Contract Data. Such period shall commence and counted from the Commencement date as specified in the Contract Data.

Appendix-B to Bid

**PAST EXPERIENCE, PERSONNEL CAPABILITIES AND FINANCIAL
STRENGTH**

Please provide requisite documentary evidence to substantiate the past experience and financial strength of the Bidder for evaluation as per the Sub-Clause of Bidding Data IB-12 Qualification Criteria.

Form EXP-1:

Details of Contracts of Similar Nature and Complexity

Name of Bidder

Use a separate sheet for each contract

1.	Name of Contract
	Country
2.	Name of Employer
3.	Employer Address & Contact Details
4.	Nature of Works
5.	Contract Role (Tick One) (a) Sole Contractor (b) Sub- Contractor (c) Partner in a Joint Venture
6.	Capacity (kW) & Value (PKR) of the total contract.
7.	Date of Award
8.	Date of Completion
9.	Contract Duration (Years and Months)

Note: The Bidder shall attach documentary evidence (contract agreement & completion certificate) to substantiate the above facts/data.

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**

Tender No. _____ Dated _____
Contract Title: _____

..... [name of Contractor] 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 Contractor] 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 Contractor] 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 Contractor] 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 Contractor] 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 Contractor] 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 Employer:

Name of Contractor:

Signature:

Signature:

[Seal]

[Seal]

Appendix-D

AFFIDAVIT OF BLACKLISTING

[Please provide an affidavit that the bidder has not been blacklisted by any government
/ public department / donor agencies at the time of submission of bid.]

Bill of Quantity

DETAILED REQUIREMENTS FOR (8) kW OFF-GRID SOLAR SYSTEM FOR EACH DHQ

Item	Description	STANDARDIZATION	Unit	Qty.
		Description		
PV Modules	Supply, Installation, Testing and commissioning of PV modules of kWp using PV crystalline module (580W n-type or above rating modules will be preferred)	Crystalline silicon terrestrial photovoltaic (PV) modules - Design Qualification and type approval.	Nos.	16
		Photovoltaic (PV) module performance testing and energy rating - Part 1: Irradiance and temperature performance measurements and power rating.		
Inverter	Hybrid Inverter 08 kW with dual output	This standard provides guidelines for evaluating the electrical performance of grid-connected photovoltaic inverters. It includes testing methods for efficiency, power quality, and grid compatibility.	Nos.	1
Back Up Battery	48V – 5000 Wh LITHIUM – ION	LITHIUM – ION Battery. It can be fitted in all compatible Solar System.	Nos.	1
DC Cable	6 mm ² Cu/PVC/PVC 300/500V	This standard deals with general requirements for insulated cables.	Mtr.	As Per Requirement
DC Breaker	Chint or Equivalent 20 A 2P 1000V DC Breaker	This standard covers circuit- breakers, switches, and related equipment for use in electrical installations. Part 2 specifically addresses circuit-breakers for AC and DC.	Nos.	As Per Requirement
Distribution Equipment	DC Distribution Box	This standard specifies degrees of protection provided by enclosures (IP Code). The IP code indicates the degree of protection against the ingress of solid objects, dust, and water. It's crucial for ensuring the durability and protection level of the distribution box, especially in outdoor or harsh environments.	Nos.	1
	AC Distribution Box	This series covers electrical installations of buildings. Specifically, parts such as IEC 60364-5-52 provide requirements for electrical installations in photovoltaic systems, which may include specifications for distribution equipment.	Nos.	1
AC Cable	Pakistan Cables or Equivalent Cu/XLPE 4	This series of standards specifies test methods for determining the insulation and sheathing thicknesses of cables, as well as	Mtr.	As Per Requirement

Miscellaneous	Mist, Pipe, Sheddle, MC4 Connector, Breaker Strip, Rawal Bolt	IEC 61400 for electrical conduit systems may be relevant. Connectors for photovoltaic systems - Safety requirements and tests.	Nos.	As Per Requirement
Structure Material	GI Standard Mounting - L2/L3	This series of standards provides requirements for electrical installations in buildings.	Nos.	As Per Requirement

Detailed Technical Specification

The section provides *technical information* about the accepted specification that must be conformed to by the Supplier.

Solar PV Modules

The PV modules shall meet the following technical specifications as minimum:

JINKO, INVEREX OR EQUIVALENT

Cell Type	N type Mono-crystalline	
No. of cells	144 (6×24)	
SMBB Technology	YES	
Hot 2.0 Technology	YES	
PID Resistance	YES	
Dimensions	2278×1134×30mm (89.69×44.65×1.18 inch)	
Front Glass	2.0mm, Anti-Reflection Coating	
Back Glass	2.0mm, Heat Strengthened Glass	
Frame	Anodized Aluminium Alloy	
Junction Box	IP68 Rated	
Output Cables	TUV 1×4.0mm ² (+): 400mm , (-): 200mm or Customized Length	
Maximum Power (Pmax)	STC 585Wp	NOCT 441 Wp
Maximum Power Voltage (Vmp)	44.02V	41.05V
Maximum Power Current (Imp)	13. A	10.74A
Open-circuit Voltage (Voc)	52.70V	40.05V
Short-circuit Current (Isc)	14.01A	11.31 A
Module Efficiency STC (%)	22.65 %	
Operating Temperature(C)	-40 ~+85 C	
Maximum system voltage	1500VDC (IEC)	
Maximum series fuse rating	30A	
Power tolerance	0~+3%	
Refer. Bifacial Factor	80 ±5%	
Nominal operating cell temperature (NOCT)	45 ±2 C	

Mounting System

The Supplier shall provide foundations and supporting structures in accordance with the actual roof conditions as well as soil conditions for the open parking spaces. The Supplier shall be fully responsible for the required examination of the roofs and the open parking spaces in order to determine the parameters for the design calculations of the supporting structures and earthing /grounding. As detailed in previous sections, the Supplier shall submit relevant drawings of the foundations, supporting structures and the methodology for the installation.

The Supplier shall conform to at least the following technical considerations, with regards to planning and implementing the mounting structure for the solar PV systems.

Load: The maximum allowed structural load for each roof shall be respected. If the value of the maximum allowed load is not available for a specific roof, it shall be assessed based on an approved structural analysis prior to the start of construction works at the project site. The analysis shall consider the dead loads (steel structural, modules, snow, etc) and the live loads (e.g persons accessing rooftop).

- **Structural design and Ballasting:** For flat-roofs, the mounting system ideally shall be an adequate low ballast system based on an wind-safe (aerodynamic) concept which shall be installed without penetrating the roof skin by applying the least possible additional ballast. Ballasting calculation shall be made using professional design software and shall be made available during the first phase, taking into considering the load bearing of the building and roof, as well as the wind speeds in the area acceptable to SEC.
- **Existing roof conditions:** Any existing roof water drainage must not be disturbed (for example by mounting rails located on top of the roof layer). The existing roof waterproofing shall be protected against damage and horizontal shear forces by a suitable protection mat between the waterproofing system/roof layer and the roof mounting system. The protection mat shall be made of recycled polyester and polypropylene fibres or recycled shredded rubber, shall have an adequate thickness, size as well as weight and shall be compatible with the materials of the roof layer and the roof mounting system.

Cables and Wiring

The cable sizing and selection (including considerations of insulation, ampacity, voltage drop, etc) shall adhere to the national and international engineering standards relevant to electrical installations and solar photovoltaic systems.

DC Cable:

The main design requirement is to reduce ohmic losses of DC cabling, without adversely affecting the cost trade-off, to < 1.5 % under STC conditions. Design calculations through cable loss simulation must be provided by the Supplier to the SEC for review and approval, after the initial assessment. The following standards shall be met:

- EN 50618 or IEC 62930
- 2PFG 2642 (for directly buried DC cables in the ground)

DC cables shall be suitable for the environmental conditions at the Project site, including UV protection and rodents.

AC Cable:

AC cables shall be made of copper. Rated voltage, nominal voltage between phase and neutral and nominal voltage between phases must be specified by the Supplier. AC cables shall be suitable for the environmental conditions at the Project site, including UV protection and rodents. The main design requirement is to reduce ohmic losses of AC cabling, without adversely affecting the cost trade-off, to below 1.0 % under STC conditions. Design calculations through cable loss simulation must be provided by the Supplier for review & approval during the first phase.

Circuitry Protection

The circuitry protection shall consider international and national standards for isolating system components. Primarily the key minimum circuitry protection mechanisms shall include: (i) DC Junction Box, (ii) AC Distribution Box, (iii) Disconnect Switches.

DC Junction Box:

- All components shall have nominal ratings and safety features in accordance with the international standards.
- Besides the main purpose of isolating the PV module strings, the DC junction box shall be equipped with devices for measuring the current and voltage of each PV module string and transmission of the logged data to the RMS, to maintain a reliable system performance.
- Additionally, a compatible Surge Protection Device (SPD) shall be installed in each of the DC Junction Boxes, as required in the system design, for optimal circuit protection.
- Compatible fuses and fuse holders or compatible circuit breakers shall be used for means of isolation.
- The DC junction box shall be fully grounded.

- The DC Junction box shall mounting shall not jeopardize any other structure, and shall avoid direct sun exposure, while maintaining access for maintenance purposes.
- Clear labelling of strings within the PV arrays shall be reflected inside the string DC junction box.

AC Distribution Box:

- All components shall have nominal ratings and safety features in accordance with the international standards. The enclosure shall be rated for outdoor usage and shall be included in the grounding system.
- Sufficient ventilation and space are required to accommodate the bending radius for cabling connected to the AC distribution box.
- The AC Distribution box shall be equipped with means of isolating the various string inverters individually, with labelling that is consistent with the electrical schematic and system design.
- The AC Distribution box shall also include an SPD (*Surge Protection Device*) that is suitable for the application and the set-up of the electricity system proposed.
- The location of the units shall in close proximity to the electrical interconnection point, and shall consider access for maintenance personal.

Disconnect switch:

- The electrical design shall consider means for single-point for system disconnection that is accessible to maintenance personal, on the AC-side of the system. Such Disconnect switch shall be sized in accordance with relevant codes and standards, and it design shall be consistent with international best-practices for grid-tied solar PV applications.

PV Connectors:

The following design factors shall be met for the PV-connectors that will be installed at the string level:

- High current rating
- Minimal contact resistance
- Convenient handling
- Broad compatibility
- Minimum Ingress Protection (IP) rating: IP 67
- If Multi-Contact MC4 compatible connectors are used, a combination of different manufacturers is allowed. MC4

compatible connectors must be certified in written by the manufacturer Multi Contact.

Wire Management

- **Cable duct**: The running of the above-ground DC, AC and communication cabling shall be performed in UV-resistant cable ducts, so that the above-ground cables are not exposed to UV or rain.
- **Cable tray and wire management**: suitable wire management accessories shall be supplied and installed to ensure that the wires (DC and AC) are kept in suitable condition, not exposed to the sun, nor touching the roof directly. Any wall or roof-penetration shall be conducted in coordination with the SEC, and the facility management, and must be sealed completely to a satisfactory manner that prevents any future leakages.

General Engineering Considerations

- The fulfilment of all relevant IEC and Pakistan's Norms, Standards and regulations is in full responsibility of the Supplier. This applies to all electrical, mechanical, and civil works included in each of the project sites.
- PV Module Product Warranty: The Supplier shall provide a PV module product warranty of at least 10 years.
- PV Module Performance Guarantee: The Supplier shall provide a PV module Performance guarantee (ensuring the maximum annual degradation of the PV modules) which shall be linear with a fixed annual factor over 20 years.
- The following Manufacturing Standards are required for the PV modules, in addition to other technical specification detailed:
 - 1: ISO 9001
 - 2: ISO 14001
 - 3: OSHAS 18001
- **Inverter Warranty: The Supplier shall provide an Inverter product warranty of at least 5 years.**
- **Supporting Structure Warranty: The Supplier shall provide a product warranty for the supporting structure of at least 3 years.**
- The guarantees from equipment and component manufacturers shall be obtained by the Supplier for the Project and transferred to the Purchaser (transfer of rights needs to be defined in Contract) when project is awarded.
- Additional guarantees may be agreed upon and defined in the Contract. A detailed list of all guaranteed conditions for the main equipment shall be defined in the Contract. Each product warranty

shall be at least 2 years at a minimum (for items not detailed here in this section).

INVERTER

INVEREX, CROWN OR EQUIVALENT

Rated Power	8000W (8kW)
MPPT Support	Up to 600W solar panels
Solar Charger	240 Amps
Efficiency	97.6% Max Efficiency
Parallel Support	Yes
Weather Resistance	IP65 Ingress Protection
Warranty	5 years
Protection	Internal SPD, AC Breaker
Output	Dual 3-phase output
Built-in Protection	Internal SPD (Surge Protection Device) and Built-in AC Breaker
Smart Features	Smart PV Monitoring Platform, Stick Logger, Zero Export

BATTERY
INVEREX, EXIDE OR EQUIVALENT

Cell Technology	LFP (LiFePO4)
Battery Module Capacity (Wh)	5000
Rated Capacity	100Ah
Battery Module Capacity (Ah)	96%
Battery Module Charging/ Discharging Current (A)	96%
Battery Module Quantity (pcs)	1
Battery Group Voltage (V)	51.2
Battery Group Charging/ Discharging Current (A)	96%
Battery Group Total Capacity (kWh)	4.91
Battery Group Usable Capacity (kWh)	4.42
Battery Group Rated Capacity	96%
Depth of Discharge (%)	90%
Efficiency (% , IC)	96%
Weight (kg)	50.7
Master LED indicator	SLED (20%40%, 60%100%), 3LED(working, warning, protecting)
IP Protection	IP65
Altitude	12000m
Working temperature	Charge: 0“50°C / Discharge: -30"50°C
Storage Temperature	-30°C 60°C
Humidity	190%
Cycle Life	4000 @ 1C
Installation Type	Ground-Mounted
Communication Port	CAN2.0/ RS485

CABLE AND ELECTRICAL SPECIFICATION

Pakistan Cable, Fast Cable or Equivalent

S#.	SPECIFICATION	VALUE
1	Outdoor equipment rating	IP65
2	DC Cable	Flexible stranded tinned copper, class 5 conductor, cross-linked polyolefin insulated and sheathed cable. EN50618
3	DC/Ac Voltage	Drop Less then 2%
4	Ac Cable	AC Stranded - 4c (Cu/PVC/PVC)

PV STRUCTURAL SPECIFICATIONS

Structure will be built with respect to the properties allowed by the owner following are further specification requirement

S. No	SPECIFICATION	VALUE
1	Wind speed protection	For above 35 m/s continues wind
2	Structure material	GI/Aluminum Standard Mounting - L2/L3

AC/ DC PROTECTION & SWITCHGEAR

S. No	SPECIFICATION	DETAILS
1	AC/ DC PROTECTION	DC Fuse, AC Breaker, DC Breaker AC SPD, DB IP

Price Schedule

S. No.	Site Name	Address	System Size Capacity (kW)	Total Price in PKR (Inclusive of All Taxes)
1	DHQ Hyderabad	Office No.B-06, Mir Hussainabad Society (Near Khizara Masjid & Wali Bhai Park) Unit-3, Latifabad, Hyderabad	8	
2	DHQ Mirpurkhas	Bangalow # A-14, Satellite Town-II, Mirpurkhas	8	
3	DHQ SBA (Nawabshah)	Office No. D-23, Block-A, Nawabshah Cooperative Housing Society, Shaheed Benazirabad	8	
4	DHQ Sukkur	Bangalow # A-06, Professor Co-Operative Housing Society Shikarpur Road, Near Pakola Chowk – Sukkur	8	
5	DHQ Larkana	Bungalow No. A-32, Sachal Colony, Larkana	8	

Note: Prices shall be inclusive of all taxes, cost incurring to reach the Site and installation and commissioning of the system.