



The Head Office,  
People's Primary Healthcare Initiative, Balochistan.  
Admin Section  
Ref No. PPHI-B/H.O-BLN/SOLAR/2025-26/01  
Dated: \_\_\_\_\_

## **Technical Proposal**

**People's Primary Healthcare Initiative (PPHI) - Balochistan**

**Bidding Document for Supply, Installation and commissioning of Solar Step-Up Systems at PPHI-Balochistan Head Office, District Offices (DOs), and Basic Health Units (BHUs), Across Balochistan.**

**NAME OF BIDDER:** \_\_\_\_\_  
**(To be filled-in by the Bidder)**

**Address:** People's Primary Healthcare Initiative (PPHI) – Balochistan  
House # 8-A, Jinnah Town Samungli Road, Quetta-Pakistan.

Phone: 081-2863620  
Website: [www.pphib.org](http://www.pphib.org)

## **LETTER OF INVITATION FOR BIDS:**

Sealed proposals are invited under the People's Primary Healthcare Initiative (PPHI-Balochistan) from eligible, qualified, and PEC-registered firms having relevant expertise in the design, supply, installation, testing, and commissioning of solar power systems on a free delivery, installation, and commissioning at consignee's end basis.

<b>REQUIRED BIDDING INFORMATION</b>	<b>TO BE FILLED BY THE PEOPLES PRIMARY HEALTHCARE INITIATIVE (PPHI-B)</b>
DESIGNATION OF PROCUREMENT OFFICER	MANAGER ADMIN
POSTAL ADDRESS OF THE PEOPLE'S PRIMARY HEALTH CARE INITIATIVE (PPHI-BALOCHISTAN)	HOUSE # 8-A, JINNAH TOWN SAMUNGLI ROAD, QUETTA-PAKISTAN.
PHONE NUMBER & FAX NUMBER	081-2863620 & 081-2863623
E-MAIL ADDRESS & WEBSITE	E-mail: <a href="mailto:PPHIBLN@GMAIL.COM">PPHIBLN@GMAIL.COM</a> Website: <a href="https://www.pphib.org">https://www.pphib.org</a>
METHOD OF PROCUREMENT	OPEN COMPETITIVE BIDDING
BIDDING PROCEDURE	SINGLE STAGE - TWO ENVELOPE BIDDING PROCEDURE
EVALUATION MECHANISM	<b>ELIGIBILITY &amp; RESPONSIVENES:</b> BIDS SHALL BE EVALUATED ON A PASS/FAIL BASIS. ONLY BIDDERS MEETING ALL MANDATORY ELIGIBILITY CRITERIA ("YES" AGAINST EACH REQUIREMENT) SHALL BE DECLARED RESPONSIVE. <b>FINANCIAL EVALUATION &amp; AWARD:</b> FINANCIAL PROPOSALS OF RESPONSIVE BIDDERS SHALL BE OPENED AND EVALUATED. THE CONTRACT SHALL BE AWARDED <b>LOT-WISE</b> TO THE LOWEST EVALUATED RESPONSIVE BIDDER FOR EACH RESPECTIVE LOT.
EVALUATION TYPE	LOT-WISE
PRE-BID MEETING	DATE: <b>27<sup>th</sup> MARCH 2026 AT 2:00PM</b> , PPHI-B HEAD OFFICE, 8-A JINNAH TOWN, SAMSUNGLI ROAD, QUETTA. ALL COMPETITIVE BIDDERS ARE REQUESTED TO ATTEND THE PRE BID MEETING.
ISSUANCE OF BIDDING DOCUMENTS	The tender documents can be downloaded from the PPHI-Balochistan website: <a href="http://pphib.org/">http://pphib.org/</a>
DEADLINE FOR SUBMISSION OF BIDS	Date: <b>6<sup>th</sup> April 2026 &amp; Till 11:00 A.M</b> directly submitted to the Head Office, PPHI-Balochistan.
OPENING OF TECHNICAL BIDS	Date: <b>6<sup>th</sup> April 2026 &amp; Time 12:00 P.M</b> at the Head Office of PPHI-Balochistan.
OPENING OF FINANCIAL BIDS	Date: Shall be communicated to qualified bidders after technical evaluation.
BIDDING DOCUMENT FEE	AMOUNT: PKR. 2,000/- PAY ORDER IN THE NAME OF <b>PPHI- Balochistan</b> WITH TECHNICAL BID IN A SEPARATE ENVELOPE. SUBMISSION OF BIDDING DOCUMENT FEE IS MANDATORY WITH TECHNICAL PROPOSAL, IT WILL BE CHECKED DURING THE ELIGIBILITY ASSESSMENT.
BID SECURITY/EARNEST MONEY	AMOUNT: <b>2%</b> OF THE QUOTED AMOUNT MANNER OF PAYMENT: <u>CALL DEPOSIT/ PAY ORDER</u> IN FAVOR OF <b>PPHI-BALOCHISTAN</b> , WITH FINANCIAL PROPOSAL

PERFORMANCE SECURITY (WARRANTY)	2% CDR SHALL BE RETAINED AS PERFORMANCE SECURITY FOR THE WARRANTY PERIOD. THE AMOUNT SHALL BE RELEASED UPON SATISFACTORY COMPLETION OF THE WARRANTY PERIOD.
SCOPE OF BIDDING	NATIONAL
BID VALIDITY PERIOD (DAYS)	90
JV-CONSORTIUM ALLOWED	NO

**ELIGIBILITY CRITERIA FOR BIDDERS:**

SR. NO	BIDDERS ELIGIBILITY FACTOR	MANDATORY REQUIREMENT	DOCUMENT REQUIRED
01	<b>Legal Status &amp; Tax Registration</b>	Bidder must have valid registration with following Government Departments i. Relevant Tax authorities i.e. for Income Tax (NTN) and Sales Tax Registration. Must be on active taxpayer list of FBR. ii. PEC Registration Category C-6 or above with relevant specialization code EE-11 / RE (Solar/Renewable Energy/Solar Installation) iii. Balochistan Revenue Authority (must have valid registration.	a) Copy of Income Tax and sales Certificate. b) Copy of registration with Pakistan Engineering Council. c) Copy of Registration Certificate with Balochistan Revenue Authority
02	<b>Relevant Experience</b>	The bidder must have successfully completed at least three (03) similar assignments during the last three financial years (FY-2023, FY-2024, and FY-2025), each having an average value of not less than PKR 6 million.	Copy/ies of <b>Work Order/s</b> and relevant completion certificate/s, where quantities & amount are clearly mentioned duly attested by Senior Executive of the firm.
03	<b>Financial Capacity (For Firms)</b>	Average annual Turn Over of <b>PKR. 50 million</b> for the past <b>3 years</b> (i.e. 2023, 2024 and 2025).	Audited <b>Financial Statements</b> OR Annual Tax Return only.
04	<b>Non-Blacklisting and disclosure of litigation cases</b>	Must not be presently black-listed by any Government/ Semi Govt or Private Organization must disclosed the litigation cases.	Declaration of Non-blacklisting and disclosure of litigation cases on <b>Non-Judicial Stamp</b> paper by the Bidder/Individual.
05	<b>Delivery time compliance</b>	Must agree to serve the Contract within agreed time i.e., <b>Within 90 days</b> period after award of Work Order.	Written acceptance must be provided in the Technical Bid in letter head of the Firm/Company.
06	<b>Agreement with all the terms &amp; conditions</b>	Must unconditionally agree with all the instructions, terms & conditions specified in the bidding documents & contract agreement.	<b>Signature &amp; company seal on every page</b> of the bidding document and/or declaration by the bidder on the firms letter pad to agree with all terms and conditions.
07	<b>Submission of Tender Fee &amp; Security Deposit</b>	As required by the Peoples Primary Healthcare Initiative (PPHI-B) in the Tender Notice.	AMOUNT: PKR. 2,000/- Tender Fee in separate envelope with technical proposal. AMOUNT: Bid Security equivalent to 2% of total quoted bid price in shape of Pay Order/CDR/Demand Draft in favor of PPHI-B with Financial Proposal only
08	<b>Submission of Separate Bid for Each Lot</b>	The bidder shall submit a separate and complete bid for each lot.	Bidders intending to participate in more than one lot shall submit a separate and complete bid for each lot, clearly marked and sealed independently. Evaluation and award shall be conducted lot-wise, and each lot shall be treated as a separate contract.
09	<b>Submission of Technical Specifications</b>	The bidder shall submit detailed technical specifications on official letter head of the firm as required under Specific Data/Work Sheet	The bidder shall also attach relevant brochures, catalogues, and/or manufacturer's data sheets for each quoted item, clearly indicating compliance with the specified

			requirements. All documents shall be submitted as part of the technical proposal for evaluation purposes.
10	<b>Minimum Warranty Undertaking</b>	Bidder must provide warranty undertaking on firm letter head clearly specifying standard warranty period for solar panels, inverters and batteries.	Undertaking on firm letter head specifying standard warranty period with technical proposal

**NOTE:**

- a) It is mandatory for the bidders to score “YES” in all the above-mentioned Ten (10) requirements of eligibility. In-case of single “NO” to any requirement, the Bid shall be declared NON-RESPONSIVE resulting disqualification for sample submission and financial bid opening.
- b) No document shall be added in bidding documents once bid documents are submitted.
- c) Submission of Multiple Bids under a Single Firm (Lot-wise):
  - i. A bidder may apply for a maximum of three (03) lots under the same firm. Participation in more than three (03) lots shall not be permitted.
  - ii. Each bid shall be complete in all respects and shall be submitted separately, including independent Technical and Financial Proposals along with a separate Call Deposit Receipt (CDR)/Bid Security for each lot. Partial bidding within a lot or submission of incomplete bids shall render the bid non-responsive.
- d) Please avoid to attach documents not required in the above mentioned criteria and it would be convenient to tag each eligibility criteria documents.
- e) Bidders from other cities/provinces may send their bids via courier at below mentioned mailing address and can participate in the bidding process virtually through online link (subject to prior intimation to the procuring officer) if desired, otherwise physical presence is preferred.
- f) The Procuring Agency reserves the right to reject any or all bids or cancel the procurement proceedings at any time prior to award of contract.

**Postal Address: PPHI-B Head Office House # 8-A, Jinnah Town, Samungli Road, Quetta.**

**Method of Procurement:**

**Single Stage Two Envelope Procedure**

- i. Bid shall comprise of a single package containing two separate envelopes. Each envelope shall contain separately the financial proposal and the technical proposal
- ii. Envelopes shall be marked as **“FINANCIAL PROPOSAL”** and **“TECHNICAL PROPOSAL”** in bold and legible letters to avoid confusion;
- iii. Initially, only the envelope marked **“TECHNICAL PROPOSAL”** shall be opened;
- iv. Envelope marked as **“FINANCIAL PROPOSAL”** shall be retained in the custody of The procuring agency without being opened;
- v. Procuring agency shall evaluate the technical proposal in a manner prescribed in given **“Bid Evaluation Criteria”** in the bidding document, without reference to the price and reject any proposal which does not conform to the specified requirements;
- vi. No amendments in the technical proposal shall be permitted after submission of technical and financial proposal;
- vii. Financial proposals of technically qualified bids shall be opened publicly at a time, date and venue announced and communicated to the bidders by procuring agency.
- viii. Financial proposal of bids found technically non-responsive shall be returned unopened to the respective bidders; and
- ix. Bid found to be the lowest evaluated shall be accepted

## **Bidding Instructions and General Conditions**

### **1. Bid Submission Requirements**

- a) The bidder must quote for the entire scope of works specified in the tender document in each Lot. Partial, conditional, or incomplete bids shall be rejected.
- b) All bids must be tape-bound, properly sealed, and clearly labeled. Each page must be numbered, signed, and stamped by the authorized representative of the firm.
- c) All documents shall be attached in the sequence prescribed in the tender document for evaluation purposes.
- d) Any interlineations, erasers, or overwriting shall be valid only if initialized by the person(s) signing the bid.
- e) Blank fields in the bid forms must be duly filled. Incomplete or unsigned bids shall be treated as non-responsive.

### **2. Total Scope of work Requirement**

- a) Prices must be quoted for the entire scope of works of (Lot) to be executed as specified in the tender document, including all designated sites, locations, and work components.
- b) Partial, multiple, conditional, or alternative offers, such as quoting only for selected works, locations of the lot, or components, shall be considered non-responsive and rejected.

### **3. Method and Deadline of Submission**

- a) Preferably, bids shall be submitted by hand through the firm's authorized representative on or before the date and time specified in the Letter of Invitation. Bidders from other provinces may dispatch their bids via courier to the address mentioned below. Such bidders may also participate in the bid opening proceedings virtually through an online link, subject to prior intimation to the Procuring Officer. Physical presence of bidders or their representatives is preferred.
- b) The bid shall comprise a single package containing two separate envelopes:
  - a. Technical Proposal
  - b. Financial Proposal
- c) Each envelope shall be sealed and marked in bold letters as "TECHNICAL PROPOSAL" and "FINANCIAL PROPOSAL" (in case of bidding for more than one lot)
- d) Both envelopes shall then be placed in an outer sealed envelope clearly marked with the Tender Reference Number and Subject.
- e) Bids received after the specified deadline shall be rejected without opening.

### **4. Conditions for Opening and Validity**

- a) If the submission or opening date falls on a public holiday or non-working day, the bids shall be opened on the next working day at the same time and venue.
- b) A bidder may withdraw its bid before the submission deadline.
  - I. No withdrawal is permitted after the submission deadline until the expiry of the bid validity period.
  - II. Any withdrawal during the validity period may lead to legal action under applicable rules of PPHI-B.

### **5. Eligibility of Bidders**

- a) The invitation is open to all firms registered with the Federal Board of Revenue (FBR) under the relevant registration/tariff category for Power & Energy / Solar / Government Contractors, subject to fulfillment of all mandatory eligibility criteria.
- b) Bidders must have demonstrated experience in the execution and completion of such nature work for government, semi-government, institutional, or similar organizations.

- c) Bidders under declaration of ineligibility, suspension, or blacklisting by any government, regulatory authority, or other organization are not eligible to participate.

## 6. Blacklisting and Debarment

The following actions shall render a bidder liable for blacklisting/debarment:

- a) Submission of false, fabricated, or forged documents or misrepresentation of facts at any stage of the bidding or contract execution.
- b) Failure to execute the works in accordance with the approved technical specifications, quality standards, BOQs, or agreed completion schedule.
- c) Persistent non-compliance with contract terms or specifications.
- d) Engagement in corrupt, fraudulent, or unethical practices.
- e) Bid rigging, tender fixing, or any conduct detrimental to the integrity and transparency of the procurement process.
- f) Any security-related concerns or actions that adversely affect the reputation of the Procuring Agency or the State.

## 7. Clarifications and Amendments

- a) A prospective bidder may seek clarification(s) in writing not later than seven (7) days prior to the submission deadline at the Procuring Agency's address indicated in the Bid Data Sheet.
- b) The Procuring Agency shall issue written responses (without disclosing the identity of the inquirer) to all bidders who have obtained the documents no verbal response shall be accepted.
- c) The Procuring Agency may, at any time before the submission deadline, amend the bidding documents through a written addendum.
- d) Such amendments shall be notified through official correspondence (letter, email, fax) or publication on the official PPHI-B website.
- e) To accommodate the amendment(s), the Procuring Agency may extend the bid submission deadline, if deemed necessary.

## 8. Corrupt or Fraudulent Practices and Mechanism for Debarment / Blacklisting

### A. Definition of Corrupt and Fraudulent Practices

For the purpose of this tender, the following practices shall constitute corrupt, fraudulent, coercive, collusive, or obstructive behavior, which are strictly prohibited:

- a) **Corrupt Practice:** Offering, giving, receiving, or soliciting directly or indirectly anything of value to influence the actions of a public official, procuring entity, or any party in the procurement process or contract execution for wrongful gain.
- b) **Fraudulent Practice:** Any act, omission, or misrepresentation that knowingly or recklessly misleads or attempts to mislead another party to obtain undue advantage or avoid an obligation.
- c) **Collusive Practice:** Any agreement or arrangement between two or more parties designed to establish bid prices at non-competitive, artificial levels to the detriment of fair competition.
- d) **Coercive Practice:** Direct or indirect actions, threats, or harm to any party or its property to improperly influence their participation or decisions in the procurement process.
- e) **Obstructive Practice:** Deliberate acts intended to impede investigation or audit processes, including falsifying or concealing evidence, making false statements, or intimidating witnesses.

## 9. Bid Price

- a) **Price Indication:** The bidder shall indicate, in the prescribed form, the unit rates (where applicable), BOQ rates, and the total bid price.
- b) **Completion and Authentication:** The Bill of Quantities (BOQ) and price schedules must be carefully filled, preferably typed, and signed and stamped on each page by the authorized representative of the bidder.
- c) **Compliance with Technical Specifications:** Bids must comply with all approved technical specifications, and BOQ requirements. Any deviation shall render the bid non-responsive.
- d) **Inclusive Pricing:** Prices must be quoted on a complete execution basis and shall include all applicable taxes, duties, levies, transportation, site establishment, tools and incidental costs necessary for execution of the works at the designated Sites of PPHI-Balochistan.
- e) **Tax Exemptions:** Any exemption or reduction in taxes or duties available under law shall be passed on to the Procuring Agency.
- f) **Total Service Requirement:** Prices must be quoted for the entire scope of work of each lot as defined in the tender documents. Partial, conditional, or incomplete offers shall be considered non-responsive and rejected.

## 10. Bid Security

The bidder shall submit a bid security amount equal to 2% of the total quoted bid price for each lot, in favor of PPHI-Balochistan. The bid security shall be submitted as part of the Financial Bid only.

## 11. Bid Validity

- a. Bids shall remain valid for 90 days from the date of technical bid opening.
- b. Bidders agreeing to extend validity must not change the substance of their bids.
- c. Bidders declining to extend may withdraw without forfeiting bid security.

Bidders who:-

- a) Agree to the Procuring Agency's request for extension of bid validity period shall not be permitted to change the substance of their bids; and
- b) Do not agree to an extension of the bid validity period shall be allowed to withdraw their bids without forfeiture of their bid securities.

## 12. Sub-Contracting, Subletting Clause

The bidder shall not assign, transfer, or sublet the whole or any part of the contract without the prior written approval of the Procuring Agency to subcontractor.

Any subletting or subcontracting carried out without such approval shall constitute a material violation of the Contract and shall render the Contractor liable to termination of the Contract, forfeiture of Performance Security, blacklisting, and any other action permissible under the prevailing procurement rules and laws.

**(Mailing Address: PPHI-B Head Office House # 8-A, Jinnah Town, Samungli Road, Quetta.)**

**BIDDER'S INFORMATION:** (To be filled-in by the Bidder)

1. Name of company/Individual: \_\_\_\_\_

2. Complete Postal Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

3. Tel No: \_\_\_\_\_ 4. Email address: \_\_\_\_\_

5. Fax No: \_\_\_\_\_ 6. Mobile No: \_\_\_\_\_

7. Authorized Representative's name & designation:

\_\_\_\_\_

8. Type of Business:

(1) Sole Proprietorship  (2) Partnership

(3) Corporation (Private Ltd.)  (4) Corporation (Public Ltd.)

9. National Tax Number & Date of issuance: \_\_\_\_\_

10. Sales Tax Registration No. \_\_\_\_\_

11. Bid Validity \_\_\_\_\_ (Please specify in no. of days)

12. Total Completion Time \_\_\_\_\_ (Date of completion)

## **DELIVERY SCHEDULE CONDITIONS**

### **1. Scope of Delivery & Locations**

The successful bidder shall be responsible for the execution and completion of all work in accordance with the approved technical specifications, and Bill of Quantities (BOQ) at the designated sites of PPHI-Balochistan as specified in the Tender Document.

### **2. Completion Time & Work Schedule**

#### **A) Contract Period**

- a. The successful bidder shall complete execution of all work at the designated sites of PPHI-Balochistan within 90 (ninety) days from the date of issuance of the Work Order.
- b. Works shall be carried out strictly in accordance with the approved work schedule, unless an extension is granted in writing by PPHI-Balochistan.

#### **B) Phased Based Execution**

- a. Phased or milestone-based execution may be permitted only with prior written approval of PPHI-Balochistan.
- b. Each approved phase/milestone shall remain within the overall contract period of 90 days.

#### **C) Execution & Progress Documentation**

The bidder shall submit:

- Work Completion Certificates
- Final Completion Report duly signed by the Engineer / Authorized Representative of PPHI-Balochistan

#### **D) Penalty for Delay**

Delay beyond the stipulated 90-day period, excluding delays approved in writing or arising from force majeure, shall attract liquidated damages at the rate of 0.25% per day of the value of the uncompleted portion of works, subject to a maximum of 10% of the total contract value.

#### **E) Force Majeure**

Delays caused by events beyond the bidder's control, including natural disasters, civil disturbances, acts of government, strikes, or other force majeure circumstances, must be immediately reported in writing to PPHI-Balochistan with supporting evidence. A reasonable extension may be granted at the discretion of PPHI-Balochistan.

#### **F) Defects, Damages & Loss**

The bidder shall be fully responsible for any damage, defects, poor workmanship, or loss occurring during execution of the works. Any defective or non-compliant work shall be rectified or replaced at the bidder's cost, or the equivalent cost shall be deducted from the payable amount, as determined by PPHI-Balochistan.

### **3. Place & Mode of Execution**

The successful bidder shall be solely responsible for the mobilization of all materials, equipment, and manpower to the designated work sites as specified in the tender documents. The bidder shall ensure safe execution, completion, and handover of the works in strict accordance with the approved technical specifications, and applicable standards.

The bidder shall also provide all required tools, plant, safety gear, and qualified technical staff necessary for proper execution of the works. All arrangements relating to site establishment, storage, handling of materials, safety, and execution logistics shall be the sole responsibility of the bidder.

### **4. Equipment & Site Handling Requirements**

The Bidder must ensure:

- a. Availability of appropriate equipment, machinery, and tools required for timely and quality execution of the works.
- b. Proper storage, protection, and handling of materials to prevent damage, deterioration, or misuse.

### **5. Monitoring & Reporting**

The Bidder shall:

- a. Provide regular progress updates and reports as required by PPHI-Balochistan.
- b. Immediately report any delay, accident, defect, or incident affecting the execution of works.
- c. Submit Final Completion Confirmation duly acknowledged by the Engineer / Authorized Representative of PPHI-Balochistan.

## **SCOPE OF WORK AND DATA-SHEET OF THE ASSIGNMENT**

### **SCOPE OF WORK:**

The scope of work shall comprise the design, supply, installation, testing, and commissioning of complete solar power systems at various locations across Balochistan under the People's Primary Healthcare Initiative (PPHI-Balochistan), including Basic Health Units (BHUs), District Offices (DOs), and the Head Office.

The required system capacities are as follows:

- 2.6 kVA Solar Power System for Basic Health Units (BHUs)
- 6.6 kVA Solar Power System for District Offices (DOs)
- 10 kVA Solar Power System for Head Office

The successful bidder shall be responsible for conducting site assessments, system design, supply of all required components, installation, wiring, mounting structures, protection systems, testing, commissioning, and handover of fully operational systems.

All materials, equipment, and components shall be procured from recognized and reputable manufacturers and must strictly comply with the technical specifications, standards, and certifications prescribed in the bidding documents. No refurbished or substandard equipment shall be accepted.

The bidder shall ensure that the installed systems are complete in all respects and capable of delivering the required performance in accordance with the approved technical criteria.

### **DATA SHEET:**

The objective of this Data Sheet / Schedule of Requirements is to provide bidders with comprehensive and clear information to fully understand the complete scope of this Work. It ensures that all requirements of the People's Primary Healthcare Initiative (PPHI-Balochistan) related to the execution, materials, workmanship, timelines, and delivery of works are clearly defined, specified, and duly incorporated, leaving no requirement unaddressed.

The works under this tender shall be executed on a Lot-wise basis, as detailed and attached BOQs. Bidders may not quote for more than two Lots; however, separate financial bids for each Lot shall be submitted. PPHI-Balochistan reserves the right to award the contract for one or two Lots to a single bidder, subject to availability of funds and satisfactory evaluation.

### **Lot-wise List of Sites – PPHI-Balochistan**

<b>Lot No</b>	<b>Facility Type</b>	<b>No. of Sites</b>	<b>Covering Districts</b>	<b>Detail</b>	<b>Reference</b>
1	HO + BHUs	14	Quetta, Pishin, and Killa Abdullah	See Page 13	
2	BHUs + DOs	20	Naseerabad, Jafarabad, Usta Muhammad, Jhal Magsi, Sohbatpur, Kachi	See Page 14	
3	BHUs + DO	10	Kech, Gawadar and Panjgur	See Page 15	
4	BHUs	08	Killa Saif Ullah, Zhob Sheerani	See Page 16	
5	BHUs + DO	11	Loralai, Musakhail, Dukki	See Page 17	
6	BHUs + DO	09	Nushki, Chaghi, Kharan, Washuk.	See Page 18	
7	BHUs + DOs	12	Sibi, Kohlu, Dera Bugti, Ziarat, Harnai	See Page 19	
8	BHUs + DOs	20	Kalat, Khuzdar, lasbella, Hub, Mastung,	See Page 20	

**Note:** Certain lots include only provisions such as batteries, batteries with inverters, or standalone inverters. These components are included in the total site count of the respective lots. Detailed identification of such BHUs and their specific system configurations is provided under the corresponding lot-wise lists in subsequent sections. However the number of sites in each lot can be increased or decreased at any stage of the process.

Lot No 1					
S.NO	District Name	S.NO	Category	Name	Requirements
1	Quetta	1	HO	PPHI-B Quetta	Supply & Installation of Complete <b>10 kW</b> Solar System as per Technical Specifications.
		2	BHU	Urrak	Supply & Installation of Complete <b>2.6 kW</b> Solar System as per Technical Specifications.
		3	BHU	Zarkhoo	
		4	BHU	Killi Alam Khan	Supply & Installation of <b>4.5 kW</b> Inverter only as per Technical Specifications.
		5	BHU	Pashtoonbagh	Supply of Batteries <b>5.5 kW</b> only as per Technical Specifications.
		6	BHU	Rigi Nasaran	Supply & Installation of <b>2.5 kW</b> Inverter and battery only as per Technical Specifications.
2	Pishin	1	BHU	Ajram	Supply & Installation of Complete <b>2.6 kW</b> Solar System as per Technical Specifications.
		2	BHU	Isamilzai	
		3	BHU	Sheshan Khan	Supply & Installation of <b>7 kW</b> Inverter only as per Technical Specifications.
		4	BHU	Dab Khanzai	Supply & Installation of Complete <b>2.6 kW</b> Solar System as per Technical Specifications. Tele health site
		5	BHU	Dab Khanzai	Supply & Installation of <b>2.5 kW</b> Inverter only as per Technical Specifications.
		6	BHU	Niganda	Supply of Batteries <b>2.5 kW</b> only as per Technical Specifications.
3	Killa Abdullah	1	BHU	Karam Khan	Supply & Installation of Complete <b>2.6 kW</b> Solar System as per Technical Specifications.
		2	BHU	Dolangi	

**LOT No. 2**

<b>S.NO</b>	<b>District Name</b>	<b>S.NO</b>	<b>Category</b>	<b>Name</b>	<b>Requirements</b>
1	Naseerabad	1	DO	Naseerabad	Supply & Installation of Complete <b>6.6 kW</b> Solar System as per Technical Specifications.
		2	BHU	Sabaz Ali Umrani	Supply & Installation of Complete <b>2.6 kW</b> Solar System as per Technical Specifications.
		3	BHU	RD 50	
		4	BHU	Shah Pur	
		5	BHU	Nuttal	
2	Jaffarabad	1	DO	Jaffarabad	Supply & Installation of Complete <b>6.6 kW</b> Solar System as per Technical Specifications.
3	Usta Muhammad	1	BHU	Allah Dina Rind	Supply & Installation of Complete <b>2.6 kW</b> Solar System as per Technical Specifications.
		2	BHU	Ghareebabad	
		3	BHU	Ali Abad Jamali	
4	Jhal Magsi	1	BHU	Noshera	Supply & Installation of Complete <b>2.6 kW</b> Solar System as per Technical Specifications.
		2	BHU	Kotra	
		3	BHU	Shambani	
		4	BHU	Sargani	
		5	DO	Jhal Magsi	Supply & Installation of Complete <b>6.6 kW</b> Solar System as per Technical Specifications.
		6	BHU	Barija	Supply of Batteries <b>7 kW</b> only as per Technical Specifications.
5	Sohbat Pur	1	BHU	Ibrahim Gajani	Supply & Installation of Complete <b>2.6 kW</b> Solar System as per Technical Specifications.
		2	BHU	Murad Ali	
		3	BHU	Jia Khan	
		4	BHU	M.Akbar Khosa	Supply of Batteries <b>3 kW</b> only as per Technical Specifications.
6	Kachhi	1	BHU	Abe Gum	Supply & Installation of Complete <b>2.6 kW</b> Solar System as per Technical Specifications.

**LOT No. 3**

<b>S.NO</b>	<b>District Name</b>	<b>Sr.NO</b>	<b>Category</b>	<b>Name</b>	<b>Requirements</b>
1	Kech	1	BHU	Hirronk	Supply & Installation of Complete <b>2.6 kW</b> Solar System as per Technical Specifications.
		2	BHU	Bullo	
		3	BHU	Chasar	
2	Gawadar	1	DO	Gawadar	Supply & Installation of Complete <b>6.6 kW</b> Solar System as per Technical Specifications.
		2	BHU	Kalattoo	Supply & Installation of Complete <b>2.6 kW</b> Solar System as per Technical Specifications.
		3	BHU	Gabd	
		4	BHU	Ganz	Supply & Installation of <b>3.5 kW</b> Inverter only as per Technical Specifications.
3	Panjgur	1	BHU	Madressa Sordo	Supply & Installation of Complete <b>2.6 kW</b> Solar System as per Technical Specifications.
		2	BHU	Sarikoran	
		3	BHU	Zandan Daz	

**LOT NO. 4**

<b>S.NO</b>	<b>District Name</b>	<b>S.NO</b>	<b>Category</b>	<b>Name</b>	<b>Requirements</b>
1	Killa Saif Ullah	1	BHU	Koz Kach	Supply & Installation of Complete <b>2.6 kW</b> Solar System as per Technical Specifications.
		2	BHU	Tarkha Dulatzai	
		3	BHU	Nalisar	
		4	BHU	Shinki	Supply of Batteries <b>5.5 kW</b> only as per Technical Specifications.
2	Zhob	1	BHU	Kakhaw	Supply & Installation of Complete <b>2.6 kW</b> Solar System as per Technical Specifications.
		2	BHU	Rakhpor	
3	Sheerani	1	BHU	Gull Muammad	Supply & Installation of Complete <b>2.6 kW</b> Solar System as per Technical Specifications.
		2	BHU	Karam Karmanzai	

**LOT NO.5**

<b>S.NO</b>	<b>District Name</b>	<b>S.NO</b>	<b>Category</b>	<b>Name</b>	<b>Requirements</b>
1	Loralai	1	BHU	Kamal Khan Adovcat	Supply & Installation of Complete <b>2.6 kW</b> Solar System as per Technical Specifications.
		2	BHU	Sarmalak	
		3	BHU	Jaffarabad Mekhtar	
		4	BHU	Malik Rehamat	
2	Musakhail	1	BHU	Karkana	Supply & Installation of Complete <b>2.6 kW</b> Solar System as per Technical Specifications.
		2	BHU	Khanan Umerzai	
		3	BHU	Rehmatullah Buzdar	
		4	BHU	Kingri	
		5	BHU	Abdullahabad	
3	Dukki	1	DO	Dukki	Supply & Installation of Complete <b>6.6 kW</b> Solar System as per Technical Specifications.
		2	BHU	Marooorzai	Supply & Installation of Complete <b>2.6 kW</b> Solar System as per Technical Specifications.

LOT NO.6					
S.NO	District Name	S.NO	Category	Name	Requirements
1	Nushki	1	BHU	Qabool	Supply & Installation of Complete <b>2.6 kW</b> Solar System as per Technical Specifications.
2	Chaghi	1	DO	Chaghi	Supply & Installation of Complete <b>6.6 kW</b> Solar System as per Technical Specifications.
		2	BHU	Mazang	Supply & Installation of Complete <b>2.6 kW</b> Solar System as per Technical Specifications.
		3	BHU	Khergoshkan	
		4	BHU	Nawar	
		5	BHU	Yakmach	Provision of Batteries for <b>2.6 kVA</b> system Only.
3	Kharan	1	BHU	Joda e Kalat	Supply & Installation of Complete <b>2.6 kW</b> Solar System as per Technical Specifications.
		2	BHU	Sargai	
4	Washuk	1	BHU	Zayak	Supply & Installation of Complete <b>2.6 kW</b> Solar System as per Technical Specifications.

LOT NO.7					
S.NO	District Name	S.NO	Category	Name	Requirements
1	Sibi	1	DO	Sibi	Supply & Installation of Complete <b>6.6 kW</b> Solar System as per Technical Specifications.
		2	BHU	Bakhra Ghulam Bolak	Supply & Installation of Complete <b>2.6 kW</b> Solar System as per Technical Specifications.
2	Kohlu	1	BHU	Pati Shahjawo	Supply & Installation of Complete <b>2.6 kW</b> Solar System as per Technical Specifications.
		2	BHU	Rozi Khan	
		3	BHU	Malik Ahmed Khan	
3	Dera Bugti	1	DO	Dera Bugti	Supply & Installation of Complete <b>6.6 kW</b> Solar System as per Technical Specifications.
		2	BHU	Killi.A.Rehman	Supply & Installation of Complete <b>2.6 kW</b> Solar System as per Technical Specifications.
		3	BHU	K.Gul Mohd	
		4	BHU	Qalandari	
4	Ziarat	1	BHU	Cheena	Supply & Installation of Complete <b>2.6 kW</b> Solar System as per Technical Specifications.
		2	BHU	Zaranda	
5	Harnai	1	BHU	Khost	Supply & Installation of Complete <b>2.6 kW</b> Solar System as per Technical Specifications.

LOT NO.8					
S.NO	District Name	S.NO	Category	Name	Requirements
1	Kalat	1	BHU	M. Tawa	Supply & Installation of Complete <b>2.6 kW</b> Solar System as per Technical Specifications.
		2	BHU	Ahmad Abad	
2	Khuzdar	1	BHU	Pessi Jhal	Supply & Installation of Complete <b>2.6 kW</b> Solar System as per Technical Specifications.
		2	BHU	Sarej Gresha	
		3	BHU	Bajori Kallan	
		4	BHU	Bhapov	
		5	BHU	Wahir	Provision and installation of Invertor and Batteries for <b>1.5 KW</b>
		6	BHU	Ladh Zeedi	Provision Batteries for <b>2.6 KVA</b>
3	Lasbella	1	BHU	Balochi Goth	Supply & Installation of Complete <b>2.6 kW</b> Solar System as per Technical Specifications.
		2	BHU	Mehmoodani	
4	Hub	1	BHU	Plot No. 113	Supply & Installation of Complete <b>2.6 kW</b> Solar System as per Technical Specifications.
		2	BHU	Allana Gadore	
5	Mastung	1	BHU	Mohammad Shahi	Supply & Installation of Complete <b>2.6 kW</b> Solar System as per Technical Specifications.
		2	BHU	Levies thana Kadkucha	
		3	BHU	Karez Noth	
		4	BHU	Mastung Road	
		5	BHU	Dasht Kumbela	
6	Awaran	1	DO	Awaran	Supply & Installation of Complete <b>6.6 kW</b> Solar System as per Technical Specifications.
7	Surab	1	BHU	Malshoria	Supply & Installation of Complete <b>2.6 kW</b> Solar System as per Technical Specifications.
		2	BHU	Saikumb	

### **SPECIFIC WORKS DATA**

- Bidders shall fill specifications of offered products in the following table.
- Write “compliance” if same specifications are offered and for non-compliance for any specific parameter, mention the offered specification:

Features and Technical parameters of the system shall be as follows:

<b>2.6 kVA Solar Complete System – Technical Compliance Table</b>				
	<b>Sr.No.</b>	<b>Specifications</b>	<b>Value</b>	<b>Bidders Offered Specification</b>
<b>1. SOLAR PANELS</b>	1	Wattage	580 W or above (higher wattage preferred)	
	2	Type	Mono Crystalline, N-type PERC	
	3	Number of Cells	144 or above	
	4	Weight	≤ 29 kg	
	5	Temperature Coefficient (Pmax)	-0.29%/°C	
	6	Module Voltage Rating	1500 V	
	7	Maximum Series Fuse Rating	25 A	
	8	Product Workmanship Warranty	12 years	
	9	Power Output Warranty	25 years	
	10	Product Certifications	IEC 61215, IEC 61730, ISO 9001, ISO 14001, OHSAS 18001	
	11	Frame & Junction Box	Anodized aluminum frame, IP68 junction box	
	12	Connector Type	MC4 compatible	
	13	Operating Temperature	-40 °C to +85 °C	
	14	Maximum System Voltage	1500 V DC	
	15	Front/Back Glass	High-transparency tempered glass, anti-reflective	
<b>2. INVERTER</b>	1	Rated Output	≥ 2600 W, 230 VAC ± 5 %, pure sine wave.	
	2	Frequency	50 Hz ± 5 %, auto-sensing 50/60 Hz.	
	3	Peak Efficiency	≥ 95 % PV to inverter	
	4	Surge Capacity	≥ 5000 VA (≥ 2× rated) for at least 5 s	
	5	Battery Support	24 VDC bank with equalization and BMS compatibility.	
	6	Solar Input (MPPT)	30–400 VDC, minimum 90 A charge current	
	7	AC Charging Current	≥ 70 A	
	8	Protection & Durability	IP54 minimum, with overload, short circuit, over/under voltage protection	
	9	Monitoring & Communication	Full remote monitoring (Wi Fi/RS232/RS485/CAN) and BMS support	
	10	Warranty	Minimum 5 years total (2 years product + 3 years' service).	
	11	Environmental	Operating temperature –10 °C to 50 °C, humidity 5–95 % non-condensing.	

3. SOLAR PANEL MOUNTING STRUCTURE (L2 TYPE)	1	Structure Type	L2 solar panel mounting structure for rooftop installation	
	2	Material Options	Hot-dip galvanized steel (minimum 14 gauge, $\geq 80 \mu\text{m}$ zinc coating) or extruded aluminum profiles; must be corrosion-resistant	
	3	Panel Compatibility	Panels up to 650 W each	
	4	Mechanical Load Rating	Front $\geq 5400 \text{ Pa}$ , Rear $\geq 2400 \text{ Pa}$ ; designed to withstand minimum 150 km/h wind load	
	5	Fasteners & Hardware	All nuts, bolts, washers, clamps must be stainless steel (SS304) or equivalent	
	6	Finish	Steel: galvanization as above; Aluminum: anodized or equivalent corrosion protection	
	7	Installation	Suitable for panels to be installed at specified tilt angles and series/parallel layout per system design	
	8	Durability & Life	Designed for minimum 25-year service life under normal rooftop solar conditions	
	9	Compliance / Standards	Comply with national & international structural and solar installation standards; workmanship to ensure corrosion protection and structural stability	
4. BATTERY	1	Battery Type	Deep-cycle tubular lead-acid	
	2	Nominal Voltage	12 V per battery	
	3	Minimum Capacity (Ah @ 20 hr)	150–160 Ah	
	4	Cycle Life	$\geq 900$ cycles	
	5	Design Features	Tall tubular plates, low self-discharge, corrosion-resistant	
	6	Warranty	12 months	
	7	Operating Temperature	$-10 \text{ }^\circ\text{C}$ to $+50 \text{ }^\circ\text{C}$	
	8	Installation Notes	Configure in series/parallel to make 48 V battery bank	
	9	Maintenance	Low maintenance; periodic water top-up	
5. DC CABLES	1	6 mm <sup>2</sup> XLPE/PVC insulated, tin-coated pure copper conductor		
	2	Rated for 1,000 V DC (suitable for PV array)		
	3	Minimum temperature rating: 90 °C		
	4	Flame retardant and UV resistant		
6. AC CABLES	1	Suitable for AC output of inverter to DB connection		
	2	Example rating: 3-core 4 mm <sup>2</sup> or 3/29 standard		
	3	Copper conductor, PVC insulation		
	4	Rated for 230 V AC, 50 Hz		
	5	Flame retardant and UV resistant		
7	1	Distribution Board (DB): Properly sized for 2.6 kW inverter output, with space for MCBs and surge protection.		
	2	MCB / MCCB: Adequate rating for inverter AC output and load protection; thermal-magnetic type.		

	3	Surge Protection Device (SPD): Type II SPD to protect inverter & connected loads.	
	4	MC4 Connectors: For PV array connections; rated for 1,000 V DC, IP67, UV resistant.	
	5	All wiring and connections must comply with IEC / NECA / local electrical safety standards.	
	6	Installation must ensure mechanical protection, neat cable routing, and proper earthing/grounding.	

### 6.6 kVA Solar Complete System – Technical Compliance Table

	Sr.No.	Specifications	Value	Bidders Offered Specification
1. SOLAR PANELS	1	Wattage	580 W or above (higher wattage preferred)	
	2	Type	Mono Crystalline, N-type PERC	
	3	Number of Cells	144 or above	
	4	Weight	≤ 29 kg	
	5	Temperature Coefficient (Pmax)	-0.29%/°C	
	6	Module Voltage Rating	1500 V	
	7	Maximum Series Fuse Rating	25 A	
	8	Product Workmanship Warranty	12 years	
	9	Power Output Warranty	25 years	
	10	Product Certifications	IEC 61215, IEC 61730, ISO 9001, ISO 14001, OHSAS 18001	
	11	Frame & Junction Box	Anodized aluminum frame, IP68 junction box	
	12	Connector Type	MC4 compatible	
	13	Operating Temperature	-40 °C to +85 °C	
	14	Maximum System Voltage	1500 V DC	
	15	Front/Back Glass	High-transparency tempered glass, anti-reflective	
2. INVERTER	1	Rated Output	≥ 6.6 kW continuous AC, pure sine wave	
	2	Peak Efficiency	≥ 96 % DC-to-AC	
	3	PV Input Capacity	Maximum PV array input ≥ 10 kW	
	4	MPPT Trackers	Dual MPPT, voltage range 150–425 VDC	
	5	Battery Charge / Discharge Current	≥ 140 A	
	6	Battery Compatibility	40–60 VDC, lead-acid or Li-ion with BMS support	
	7	Ingress Protection	IP65 minimum, suitable for outdoor installation	
	8	Communication / Monitoring	RS485 / RS232 / CAN + Wi-Fi / remote monitoring	
	9	Parallel Capability	Must support parallel connection of at least 9 units	
	10	Protection Features	Surge, overcurrent, over/under voltage, islanding, fault detection	
	11	Warranty & Operating Range	Minimum 5-year total warranty; -25 °C to +60 °C ambient temperature	

3. Solar Panel Mounting Structure (L2 Type)	1	Structure Type	L2 solar panel mounting structure for rooftop installation	
	2	Material Options	Hot-dip galvanized steel (minimum 14 gauge, $\geq 80 \mu\text{m}$ zinc coating) or extruded aluminum profiles; must be corrosion-resistant	
	3	Panel Compatibility	Panels up to 650 W each	
	4	Mechanical Load Rating	Front $\geq 5400 \text{ Pa}$ , Rear $\geq 2400 \text{ Pa}$ ; designed to withstand minimum 150 km/h wind load	
	5	Fasteners & Hardware	All nuts, bolts, washers, clamps must be stainless steel (SS304) or equivalent	
	6	Finish	Steel: galvanization as above; Aluminum: anodized or equivalent corrosion protection	
	7	Installation	Suitable for panels to be installed at specified tilt angles and series/parallel layout per system design	
	8	Durability & Life	Designed for minimum 25-year service life under normal rooftop solar conditions	
	9	Compliance / Standards	Comply with national & international structural and solar installation standards; workmanship to ensure corrosion protection and structural stability	
4. BATTERY	1	Battery Type	Deep-cycle tubular lead-acid	
	2	Nominal Voltage	12 V per battery	
	3	Minimum Capacity (Ah @ 20 hr)	185–230 Ah	
	4	Cycle Life	$\geq 1,000$ cycles	
	5	Design Features	Tall tubular plates, low self-discharge, corrosion-resistant	
	6	Warranty	12 months	
	7	Operating Temperature	$-10 \text{ }^\circ\text{C}$ to $+50 \text{ }^\circ\text{C}$	
	8	Installation Notes	Configure in series/parallel to make 48 V battery bank	
	9	Maintenance	Low maintenance; periodic water top-up	
5. DC CABLES	1	10 mm <sup>2</sup> XLPE/PVC insulated, tin-coated pure copper conductor		
	2	Rated for 1,000 V DC		
	3	Minimum temperature rating: 90 °C		
	4	Flame retardant and UV resistant		
6. AC CABLES	1	Suitable for AC output of inverter to DB connection		
	2	Copper conductor, PVC insulation, $\sim 6 \text{ mm}^2$ (adjustable per load)		
	3	Rated for 230 V AC, 50 Hz		
	4	Flame retardant and UV resistant		

6.ELECTRICAL INSTALLATION	1	Distribution Board (DB): Properly sized for 6.6 kW inverter output	
	2	MCB / MCCB: Rated for inverter AC output and load protection; thermal-magnetic type	
	3	Surge Protection Device (SPD): Type II SPD	
	4	MC4 Connectors: Rated for 1,000 V DC, IP67, UV resistant	
	5	All wiring and connections must comply with IEC / NECA / local electrical safety standards	
	6	Installation must ensure mechanical protection, neat cable routing, and proper earthing/grounding	

### 10 kVA Solar Complete System – Technical Compliance Table

	Sr.No.	Specification	Value / Requirement	Bidders Offered Specification
1. SOLAR PANELS	1	Power Output (Pmax)	≥ 640 W per panel (higher is acceptable)	
	2	Cell Type	Monocrystalline N-type, high-performance bifacial cells	
	3	Number of Cells	144 or higher	
	4	Module Efficiency	≥ 24 %	
	5	Temperature Coefficient (Pmax)	≤ -0.27 %/°C	
	6	Operating Temperature Range	-40 °C to +85 °C	
	7	Maximum System Voltage	1500 V DC	
	8	Power Tolerance	0 to +3 %	
	9	Frame & Glass	Tempered, anti-reflective glass with anodized aluminum frame	
	10	Connectors	MC4 compatible	
	11	Mechanical Load	Front ≥ 5400 Pa, Rear ≥ 2400 Pa	
	12	Warranty	Product workmanship ≥ 15 years; linear power output ≥ 30 years	
	13	Certifications	IEC 61215, IEC 61730 (or equivalent)	
2. INVERTER	1	Rated Output	≥ 10 kW continuous AC output, pure sine wave	
	2	Peak Efficiency	≥ 96 % DC-to-AC	
	3	PV Input Capacity	Maximum PV array input ≥ 15 kW	
	4	MPPT Trackers	Dual MPPT, voltage range 150–425 VDC	
	5	Battery Charge / Discharge Current	≥ 200 A	
	6	Battery Compatibility	40–60 VDC, lead-acid or Li-ion with BMS support	
	7	Ingress Protection	IP65 minimum, suitable for outdoor installation	
	8	Communication / Monitoring	RS485 / RS232 / CAN + Wi-Fi / remote monitoring	
	9	Parallel Capability	Must support parallel connection of at least 9–16 units	
	10	Protection Features	Surge, overcurrent, over/under voltage, islanding, fault detection	
	11	Warranty & Operating Range	Minimum 5-year total warranty; -25 °C to +60 °C ambient temperature	
3. SOLAR PANEL MOUNTING STRUCTURE	1	Support Pillars		
	1.1	Material	Mild Steel (MS) Square Pipe – 3" × 3"	
	1.2	Quantity & Dimensions	4 pillars – 8 ft height 2 pillars – 10 ft height 4 pillars – 11.5 ft height	
	1.3	Function	These pillars act as the primary vertical supports, ensuring structural strength, stability, and long-term durability.	

	2	Main Frame Structure		
	2.1	Material	MS Square Pipe – 3" × 3"	
	2.2	Beams	4 beams – 38 ft length 4 beams – 18 ft length	
	3	Reinforcement Members		
	3.1	Material	MS Square Pipe – 2" × 2"	
	3.2	Quantity & Dimensions	4 pipes – 38 ft length	
	3.3	Function	These members form the main supporting grid for mounting solar panels and ensure even load distribution.	
	4	Installation Coverage Area		
	4.1	Total Structure Size	38 ft × 18 ft	
	4.2	Capacity	Suitable for accommodating multiple solar panels based on panel size and layout configuration	
	5	Material Specification		
	5.1	All structural materials (pillars, beams, supports, and reinforcement members) shall be fabricated using Mild Steel (MS) Square Pipe – 14 Gauge thickness to ensure maximum strength, durability, and long-term performance.		
	4. BATTERY	1	Battery Type	Deep-cycle tubular lead-acid
2		Nominal Voltage	12 V per battery	
3		Minimum Capacity (Ah @ 20 hr)	230 Ah or higher	
4		Cycle Life	≥ 1,200 cycles	
5		Design Features	Advanced tall tubular plates, deep-cycle, low self-discharge	
6		Warranty	12 months	
7		Operating Temperature	-10 °C to +60 °C	
8		Installation Notes	Configure in series/parallel to make 48 V battery bank	
9		Maintenance	Low maintenance; periodic water top-up	
5.DC CABLES	1	16 mm <sup>2</sup> XLPE/PVC insulated, tin-coated pure copper conductor		
	2	Rated for 1,000 V DC		
	3	Minimum temperature rating: 90 °C		
	4	Flame retardant and UV resistant		
6.AC CABLES	1	Suitable for AC output of inverter to DB connection		
	2	Copper conductor, PVC insulation, ~10 mm <sup>2</sup>		
	3	Rated for 230 V AC, 50 Hz		
	4	Flame retardant and UV resistant		
7.ELECTRICAL INSTALLATION	1	Distribution Board (DB): Properly sized for 10 kW inverter output, may be 3-phase ready		
	2	MCB / MCCB: Rated for inverter AC output and load protection; thermal-magnetic type		
	3	Surge Protection Device (SPD): Type II SPD		
	4	MC4 Connectors: Rated for 1,000 V DC, IP67, UV resistant		

	5	All wiring and connections must comply with IEC / NECA / local electrical safety standards	
	6	Installation must ensure mechanical protection, neat cable routing, and proper earthing/grounding	

**1.5 kVA Inverter installation and Provision of batteries only – Technical Compliance Table**

	Sr.No.	Specifications	Value	Bidders Offered Specification
1. INVERTER	1	Rated Output	≥ 1500 W, 230 VAC ± 5 %, pure sine wave.	
	2	Frequency	50 Hz ± 5 %, auto-sensing 50/60 Hz.	
	3	Peak Efficiency	≥ 93 % PV to inverter	
	4	Surge Capacity	≥ 3000 VA (≥ 2× rated) for at least 5 s.	
	5	Battery Support	12 VDC bank with equalization and BMS compatibility.	
	6	Solar Input (MPPT)	12–60 VDC, minimum 60 A charge current.	
	7	AC Charging Current	≥ 15 A	
	8	Protection & Durability	IP54 minimum, with overload, short circuit, over/under voltage, over-temperature protections.	
	9	Monitoring & Communication	Full remote monitoring (Wi-Fi / RS232 / RS485 / CAN) and BMS support.	
	10	Warranty	Minimum 2 years product + 3 years' service.	
	11	Environmental	Operating temperature –10 °C to 50 °C, humidity 5–95 % non-condensing.	
2. BATTERY	1	Battery Type	Deep-cycle tubular lead-acid	
	2	Nominal Voltage	12 V per battery	
	3	Minimum Capacity (Ah @ 20 hr)	150–160 Ah	
	4	Cycle Life	≥ 900 cycles	
	5	Design Features	Tall tubular plates, low self-discharge, corrosion-resistant	
	6	Warranty	12 months	
	7	Operating Temperature	–10 °C to +50 °C	
	8	Installation Notes	Configure in series/parallel to make 48 V battery bank	
	9	Maintenance	Low maintenance; periodic water top-up	
3. DC CABLES	1	6 mm <sup>2</sup> XLPE/PVC insulated, tin-coated pure copper conductor		
	2	Rated for 1,000 V DC (suitable for PV array)		
	3	Minimum temperature rating: 90 °C		
	4	Flame retardant and UV resistant		
4. AC CABLES	1	Suitable for AC output of inverter to DB connection		
	2	Example rating: 3-core 4 mm <sup>2</sup> or 3/29 standard		
	3	Copper conductor, PVC insulation		
	4	Rated for 230 V AC, 50 Hz		
	5	Flame retardant and UV resistant		
	1	Distribution Board (DB): Properly sized for 2.6 kW inverter output, with space for MCBs and surge protection.		

2	MCB / MCCB: Adequate rating for inverter AC output and load protection; thermal-magnetic type.	
3	Surge Protection Device (SPD): Type II SPD to protect inverter & connected loads.	
4	MC4 Connectors: For PV array connections; rated for 1,000 V DC, IP67, UV resistant.	
5	All wiring and connections must comply with IEC / NECA / local electrical safety standards.	
6	Installation must ensure mechanical protection, neat cable routing, and proper earthing/grounding.	

**3 kVA Provision of batteries only – Technical Compliance Table**

1. BATTERY	Sr.No.	Specifications	Value	Bidders Offered Specification
	1	Battery Type	Deep-cycle tubular lead-acid	
	2	Nominal Voltage	12 V per battery for 24 V	
	3	Minimum Capacity	≥ 150 Ah @ C20 rating	
	4	Cycle Life	≥ 900 cycles at 50% DoD	
	5	Design Features	Tall tubular plates, low self-discharge, corrosion-resistant grid	
	6	Warranty	Minimum 12 months replacement warrant	
	7	Operating Temperature	-10 °C to +50 °C	
	8	Installation Notes	Low maintenance with periodic distilled water top-up	
	9	Standards Compliance	IEC / PSQCA / equivalent certification required	

**5.5 kVA Provision of batteries only – Technical Compliance Table**

1. BATTERY	Sr.No.	Specifications	Value	Bidders Offered Specification
	1	Battery Type	Deep-cycle tubular lead-acid	
	2	Nominal Voltage	12 V per battery	
	3	Minimum Capacity	≥ 200 Ah @ C20 rating	
	4	Cycle Life	≥ 1200 cycles at 50% DoD	
	5	Design Features	Tall tubular plates, low self-discharge, corrosion-resistant grid	
	6	Warranty	Minimum 12 months replacement warrant	
	7	Operating Temperature	-10 °C to +50 °C	
	8	Installation Notes	Low maintenance with periodic distilled water top-up	
	9	Standards Compliance	IEC / PSQCA / equivalent certification required	

**7 kVA Inverter installation and Provision of batteries only – Technical Compliance Table**

	Sr.No.	Specifications	Value	Bidders Offered Specification
1. INVERTER	1	Rated Output	≥ 7000 W, 230 VAC ±5%, Pure Sine Wave.	
	2	Frequency	50 Hz ± 5 %, auto-sensing 50/60 Hz.	
	3	Peak Efficiency	≥ 95%	
	4	Surge Capacity	≥ 14,000 VA (≥ 2× rated load ≥ 5 sec)	
	5	Battery Support	48 V DC system mandatory	
	6	Solar Input (MPPT)	Built-in MPPT ≥ 120 A, PV range ≥ 150–500 V DC	
	7	AC Charging Current	≥ 100 A adjustable	
	8	Protection & Durability	Overload, short-circuit, reverse polarity, over-temperature, surge, deep discharge	
	9	Monitoring & Communication	LCD + RS485 / USB / WiFi	
	10	Warranty	Minimum 2 years	
	11	Environmental	-10 °C to +50 °C, ≤95% RH non-condensing	
2. BATTERY	1	Battery Type	Deep-cycle tubular lead-acid	
	2	Nominal Voltage	12 V per battery	
	3	Minimum Capacity (Ah @ 20 hr)	≥ 220 Ah	
	4	Cycle Life	≥ 1200 cycles @ 50% DoD	
	5	Design Features	Tall tubular plates, low self-discharge, corrosion-resistant	
	6	Warranty	≥ 12 months	
	7	Operating Temperature	-10 °C to +50 °C	
	8	Maintenance	Low maintenance with distilled water top-up	
	9	Maintenance	IEC / PSQCA / equivalent	
3. DC CABLES	1	6 mm <sup>2</sup> XLPE/PVC insulated, tin-coated pure copper conductor		
	2	Rated for 1,000 V DC (suitable for PV array)		
	3	Minimum temperature rating: 90 °C		
	4	Flame retardant and UV resistant		
4. AC CABLES	1	Suitable for AC output of inverter to DB connection		
	2	Example rating: 3-core 10 mm <sup>2</sup> or 3/29 standard		
	3	Copper conductor, PVC insulation		
	4	Rated for 230 V AC, 50 Hz		
	5	Flame retardant and UV resistant		
5.E	1	Distribution Board (DB): Properly sized for 7 kW inverter output, with space for MCBs and surge protection.		
	2	MCB / MCCB: Adequate rating for inverter AC output and load protection; thermal-magnetic type.		

	3	Surge Protection Device (SPD): Type II SPD to protect inverter & connected loads.	
	4	MC4 Connectors: For PV array connections; rated for 1,000 V DC, IP67, UV resistant.	
	5	All wiring and connections must comply with IEC / NECA / local electrical safety standards.	
	6	Installation must ensure mechanical protection, neat cable routing, and proper earthing/grounding.	

**3.5 kVA Inverter Provision and installation only – Technical Compliance Table**

	Sr.No.	Specifications	Value	Bidders Offered Specification
1. INVERTER	1	Rated Output	≥ 3500 W, 230 VAC ±5%, Pure Sine Wave	
	2	Frequency	50 Hz ±5%, auto-sensing 50/60 Hz	
	3	Peak Efficiency	≥ 93%	
	4	Surge Capacity	≥ 7000 VA (≥ 2× rated load ≥ 5 sec)	
	5	Battery Support	24 V DC system mandatory	
	6	Solar Input (MPPT)	Built-in MPPT ≥ 80 A, PV range ≥ 120–450 V DC	
	7	AC Charging Current	≥ 60 A adjustable	
	8	Protection & Durability	Overload, short-circuit, reverse polarity, over-temperature, surge, deep discharge	
	9	Monitoring & Communication	LCD + RS485 / USB / WiFi	
	10	Warranty	Minimum 2 years	
	11	Environmental	-10 °C to +50 °C, ≤95% RH non-condensing	
2. DC CABLES	1	4-6 mm <sup>2</sup> XLPE/PVC insulated, tin-coated pure copper conductor		
	2	Rated for 1,000 V DC (suitable for PV array)		
	3	Minimum temperature rating: 90 °C		
	4	Flame retardant and UV resistant		
3. AC CABLES	1	Suitable for AC output of inverter to DB connection		
	2	Example rating: 3-core 6 mm <sup>2</sup> or 3/29 standard		
	3	Copper conductor, PVC insulation		
	4	Rated for 230 V AC, 50 Hz		
	5	Flame retardant and UV resistant		
4. ELECTRICAL INSTALLATION	1	Distribution Board (DB): Properly sized for 3.5 kW inverter output, with space for MCBs and surge protection.		
	2	MCB / MCCB: Adequate rating for inverter AC output and load protection; thermal-magnetic type.		
	3	Surge Protection Device (SPD): Type II SPD to protect inverter & connected loads.		
	4	MC4 Connectors: For PV array connections; rated for 1,000 V DC, IP67, UV resistant.		
	5	All wiring and connections must comply with IEC / NECA / local electrical safety standards.		
	6	Installation must ensure mechanical protection, neat cable routing, and proper earthing/grounding.		

**4.5 kVA Inverter Provision and installation only – Technical Compliance Table**

	Sr.No.	Specifications	Value	Bidders Offered Specification
1. INVERTER	1	Rated Output	≥ 4500 W, 230 VAC ±5%, Pure Sine Wave	
	2	Frequency	50 Hz ±5%, auto-sensing 50/60 Hz	
	3	Peak Efficiency	≥ 94-95%	
	4	Surge Capacity	≥ 9000 VA (≥ 2× rated load ≥ 5 sec)	
	5	Battery Support	24 V/48 V DC system mandatory	
	6	Solar Input (MPPT)	Built-in MPPT ≥ 100 A, PV range ≥ 120–500 V DC	
	7	AC Charging Current	≥ 80-100 A adjustable	
	8	Protection & Durability	Overload, short-circuit, reverse polarity, over-temperature, surge, deep discharge	
	9	Monitoring & Communication	LCD + RS485 / USB / WiFi	
	10	Warranty	Minimum 2 years	
	11	Environmental	-10 °C to +50 °C, ≤95% RH non-condensing	
2. DC CABLES	1	6 mm <sup>2</sup> XLPE/PVC insulated, tin-coated pure copper conductor		
	2	Rated for 1,000 V DC (suitable for PV array)		
	3	Minimum temperature rating: 90 °C		
	4	Flame retardant and UV resistant		
3. AC CABLES	1	Suitable for AC output of inverter to DB connection		
	2	Example rating: 3-core 6-10 mm <sup>2</sup> or equivalent		
	3	Copper conductor, PVC insulation		
	4	Rated for 230 V AC, 50 Hz		
	5	Flame retardant and UV resistant		
4. ELECTRICAL INSTALLATION	1	Distribution Board (DB): Properly sized for 4.5 kW inverter output, with space for MCBs and surge protection.		
	2	MCB / MCCB: Adequate rating for inverter AC output and load protection; thermal-magnetic type.		
	3	Surge Protection Device (SPD): Type II SPD to protect inverter & connected loads.		
	4	MC4 Connectors: For PV array connections; rated for 1,000 V DC, IP67, UV resistant.		
	5	All wiring and connections must comply with IEC / NECA / local electrical safety standards.		
	6	Installation must ensure mechanical protection, neat cable routing, and proper earthing/grounding.		

### 2.5 kVA Inverter installation and Provision of batteries only – Technical Compliance Table

	Sr.No.	Specifications	Value	Bidders Offered Specification
1. INVERTER	1	Rated Output	≥ 2500 W, 230 VAC ±5%, Pure Sine Wave.	
	2	Frequency	50 Hz ± 5 %, auto-sensing 50/60 Hz.	
	3	Peak Efficiency	≥ 92-94%	
	4	Surge Capacity	≥ 5,000 VA (≥ 2× rated load ≥ 5 sec)	
	5	Battery Support	24 V DC system mandatory	
	6	Solar Input (MPPT)	Built-in MPPT ≥ 60-80 A, PV range ≥ 100–400 V DC	
	7	AC Charging Current	≥ 40-60 A adjustable	
	8	Protection & Durability	Overload, short-circuit, reverse polarity, over-temperature, surge, deep discharge	
	9	Monitoring & Communication	LCD + RS485 / USB / WiFi	
	10	Warranty	Minimum 2 years	
	11	Environmental	-10 °C to +50 °C, ≤95% RH non-condensing	
2. BATTERY	1	Battery Type	Deep-cycle tubular lead-acid	
	2	Nominal Voltage	12 V per battery	
	3	Minimum Capacity (Ah @ 20 hr)	≥ 120-150 Ah	
	4	Cycle Life	≥ 800-1000 cycles @ 50% DoD	
	5	Design Features	Tall tubular plates, low self-discharge, corrosion-resistant	
	6	Warranty	≥ 12 months	
	7	Operating Temperature	-10 °C to +50 °C	
	8	Maintenance	Low maintenance with distilled water top-up	
	9	Maintenance	IEC / PSQCA / equivalent	
3. DC CABLES	1	4-6 mm <sup>2</sup> XLPE/PVC insulated, tin-coated pure copper conductor		
	2	Rated for 1,000 V DC (suitable for PV array)		
	3	Minimum temperature rating: 90 °C		
	4	Flame retardant and UV resistant		
4. AC CABLES	1	Suitable for AC output of inverter to DB connection		
	2	Example rating: 3-core 4-6 mm <sup>2</sup> or 3/29 standard		
	3	Copper conductor, PVC insulation		
	4	Rated for 230 V AC, 50 Hz		
	5	Flame retardant and UV resistant		
	1	Distribution Board (DB): Properly sized for 2.5 kW inverter output, with space for MCBs and surge protection.		

2	MCB / MCCB: Adequate rating for inverter AC output and load protection; thermal-magnetic type.	
3	Surge Protection Device (SPD): Type II SPD to protect inverter & connected loads.	
4	MC4 Connectors: For PV array connections; rated for 1,000 V DC, IP67, UV resistant.	
5	All wiring and connections must comply with IEC / NECA / local electrical safety standards.	
6	Installation must ensure mechanical protection, neat cable routing, and proper earthing/grounding.	

## **INSTRUCTIONS FOR PREPARING TECHNICAL BID**

These Instructions are being given for strict compliance by the Bidders. **Failure to fulfill any instruction given here-under may result in dis-qualification of the Bid/s.**

Proposals shall be prepared on following lines: -

1. Sealed Envelope containing the Technical Proposal should clearly state:
  - a. **"Name of Bidder"**
  - b. **"Name of Tender"**
  - c. **"TECHNICAL PROPOSAL"**
2. The portion of Technical Proposal of this bidding document duly filled, supported with Bidder's covering Letter and the technical Bid on Bidders Letter Head be attached as the Technical Proposal.
3. Technical Proposal shall be prepared keeping in view the specifications provided in the Data Sheet and the schedule of requirements or otherwise as placed demand further during the bidding process.
4. Following information should be attached/contained in the Technical Proposal: -
  - a. Receipt of payment of **bidding Document Fee** **May be** in terms of **Pay Order in favor of PPHI BALOCHISTAN.**
  - b. **Completion time/Delivery time**, which means; actual execution time for the titled Work.
  - c. Documentary **evidence of fulfillment of eligibility criteria** for Bidders as required by the Peoples Primary Healthcare Initiative, Balochistan. (PPHI-Balochistan).
  - d. Documentary evidence of **fulfillment of complete schedule of requirements as per evaluation criteria** including technical, administrative and service requirements of the Peoples Primary Healthcare Initiative, Balochistan (PPHI-Balochistan)
  - e. **Description of status** as Partnership / authorization from the Firm / authorized importer / distributor / manufacturer / retailer etc. (as the case may be) as required by the People's Primary Healthcare Initiative, Balochistan (PPHI-Balochistan) in the schedule of requirements.
  - f. **Defect Liability Period:** details. (As applicable) as required by the Peoples Primary Healthcare Initiative, Balochistan (PPHI-Balochistan) in the schedule of requirements as mentioned.
  - g. Every page of the **Bid must be numbered, signed & stamped** by the authorized representative.
5. Attachment of any document not demanded by the Peoples Primary Healthcare Initiative (PPHI-Balochistan) at instruction 4 of "Instruction for preparation of Technical Bid" is strictly prohibited.

**Evaluation Criteria:** Selection of the successful bidder shall be based on the **Single Stage-Two Envelop Method**

The procedure shall be applied as follows: -

1. **Bidders Eligibility Assessment.** Initial evaluation of the technical proposals shall be carried-out by the **PROCUREMENT COMMITTEE**, as per the requirements of the eligibility criteria laid down under the heading of “Letter of Invitation for Bids – Eligibility Criteria for Bidders” in the following manner:
  - i. Firm must score “YES” in all requirements of the eligibility criteria to be categorized as Eligible. “NO” to any requirement of the eligibility criteria, by any bidder shall render the Firm as Ineligible.
  - ii. Subsequent upon said assessment, Bidders shall be categorized as:
    1. Eligible Bidders
    2. Ineligible Bidders

**2. Return of Financial Proposals from Ineligible Bidders.** Proposals from Ineligible Bidders shall be declared “Non-Responsive”, consequently shall **NOT** be accepted for any further evaluation:

- iii. Their Financial Proposals shall be returned without being opened.
- iv. Their Bid security shall be released upon their written request.

**3. Return of Non-Responsive Proposals & preparation of Technical Evaluation Report.** Technical Proposals not conforming to the required technical, administrative or legal requirements shall be declared as “Non-Responsive” and consequently shall **NOT** be accepted for any further evaluation:

- i. Their financial proposals shall be returned without being opened.
- ii. Their Bid security shall be released upon their written request.
- iii. Technical Evaluation Report, shall be prepared duly signed by all the members of the Procurement Committee, giving **REASONS** for;
  1. Acceptance of the Eligible & Responsive Bid/s and.
  2. Rejection of the Ineligible &/OR Non-Responsive Bid/s.
- iv. Technical Evaluation concludes at this stage.

**5. Recommendation of Procurement Committee**

**After Technical Qualification, the contract will be awarded to the “Lowest Financially Evaluated bidder” with minimum quoted rates among all the Technical qualified Contractors.**

*Note*

**BID GRIEVANCES**

Any bidder having any grievance over the tender/evaluation process, may present the same in black and white to the “Grievance Redressal Committee” through the Chief Executive Officer PPHI-Balochistan at any stage.



The Head Office,  
People's Primary Healthcare Initiative, Balochistan.  
Admin Section

Ref No. PPHI-B/H.O-BLN/Solar/2025-26/01

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

# Financial Proposal

People's Primary Healthcare Initiative (PPHI) - Balochistan

**Bidding Document for Supply & Installation of Solar Step-Up Systems at PPHI-Balochistan Head Office, District Offices (DOs), and Basic Health Units (BHUs), Across Balochistan.**

**NAME OF BIDDER:** \_\_\_\_\_  
(To be filled-in by the Bidder)

**Address:** Peoples Primary Healthcare Initiative (PPHI) Balochistan  
House # 8-A, Jinnah Town Samungli Road, Quetta-Pakistan.

Phone: 081-2863620

Website: [www.pphib.org](http://www.pphib.org)

1. Name of company: \_\_\_\_\_

2. Complete Postal Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

3. Tel No: \_\_\_\_\_ 4. Email address: \_\_\_\_\_

5. Fax No: \_\_\_\_\_ 6. Mobile No: \_\_\_\_\_

2. Authorized Representative's name & designation:

\_\_\_\_\_

8. Type of Business:

(1) Sole Proprietorship  (2) Partnership

(3) Corporation (Private Ltd.)  (4) Corporation (Public Ltd)

9. National Tax Number & Date of issuance: \_\_\_\_\_

10. Sales Tax Registration No. / BRA Registration No. \_\_\_\_\_

11. GST No. \_\_\_\_\_

12. Bid Validity: \_\_\_\_\_ (Please specify in No. of Days)

13. Total Bid Value: \_\_\_\_\_ (In Pakistani Rupees)

## **INSTRUCTIONS FOR PREPARING FINANCIAL PROPOSAL**

These Instructions are being given for strict compliance by the Bidders. **Failure to fulfill any instruction given here-under may result in disqualification of the Bid/s.**

Financial Proposals shall be prepared on following lines: -

1. Sealed Envelope containing the Financial Proposal should clearly state:
  - a. “Name of Bidder ”
  - b. “Name of Tender ”
  - c. “Financial Proposal”
2. The portion of Financial Proposal of this bidding document duly filled, supported with Bidder’s covering Letter be attached as the Financial Proposal of the bidder.
3. Following information should be attached/contained in the financial proposal: -
  - a. Original Bid Security (If required by the Peoples Primary Health Initiative (PPHI-Balochistan).
  - b. Taxes must be included along-with the price of each item.
  - c. Financial Bid shall be prepared on the Bidders Letter Head in the BOQs format attached in tender and needs to be provide in the financial proposal.

### **SUMMARY OF BID PRICES FOR LOT 01**

<b>LOT No.</b>	<b>Description</b>	<b>Facility Type</b>	<b>System Size</b>	<b>No. Of Sites</b>	<b>Unit Price Per System (PKR)</b>	<b>Total Price (PKR)</b>
<b>Lot1</b>	Supply & Installation of Solar Step-Up Systems	Head Office	10 kVA	01		
	Supply & Installation of Solar Step-Up Systems Complete	BHU	2.6 kVA	07		
	Supply & Installation of Inverter Only	BHU	2.5 kVA	01		
	Supply & Installation of Inverter and Batteries Only	BHU	2.5 kVA	01		
	Supply of Batteries only	BHU	2.5 kVA	01		
	Supply of Inverter and Installation	BHU	4.5 kVA	01		
	Supply of Batteries only	BHU	7 kVA	01		
	Supply of Batteries only	BHU	5.5 kVA	01		
<b>Total</b>						
<b>FINACIAL SUMMARY OF LOT 1</b>						
<b>DISCRIPTION</b>					<b>AMOUNT</b>	
Total Cost of Lot-1 (Without Tax)						
Total Cost of Lot-1 (Including Tax)						

### **SUMMARY OF BID PRICES FOR LOT 02**

<b>Item No.</b>	<b>Description</b>	<b>Facility Type</b>	<b>System Size</b>	<b>No. Of Sites</b>	<b>Unit Price Per System (PKR)</b>	<b>Total Price (PKR)</b>
<b>Lot2</b>	Supply & Installation of Solar Step-Up Systems	District Office	6.6 kVA	03		
	Supply & Installation of Solar Step-Up Systems Complete	BHU	2.6 kVA	15		
	Supply of Batteries Only	BHU	7 kVA	01		
	Supply of Batteries Only	BHU	3 kVA	01		
<b>Total</b>						
<b>FINACIAL SUMMARY OF LOT 2</b>						
<b>DISCRIPTION</b>					<b>AMOUNT</b>	
Total Cost of Lot-2 (Without Tax)						

Total Cost of Lot-2 (Including Tax)	
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**SUMMARY OF BID PRICES FOR LOT 03**

LOT No.	Description	Facility Type	System Size	No. Of Sites	Unit Price Per System (PKR)	Total Price (PKR)
Lot 3	Supply & Installation of Solar Step-Up Systems	District Office	6.6 kVA	01		
	Supply & Installation of Solar Step-Up Systems	BHU	2.6 kVA	08		
	Supply of Inverter and Installation	BHU	3.5 kVA	01		
<b>Total</b>						

**FINACIAL SUMMARY OF LOT 3**

DISCRIPTION	AMOUNT
Total Cost of Lot-3 (Without Tax)	
Total Cost of Lot-3 (Including Tax)	

**SUMMARY OF BID PRICES FOR LOT 04**

LOT No.	Description	Facility Type	System Size	No. Of Sites	Unit Price Per System (PKR)	Total Price (PKR)
Lot4	Supply & Installation of Solar Step-Up Systems complete	BHU	2.6 kVA	08		
	Supply of Batteries Only	BHU	5.5 kVA	01		
<b>Total</b>						

**FINACIAL SUMMARY OF LOT 4**

DISCRIPTION	AMOUNT
Total Cost of Lot-4 (Without Tax)	
Total Cost of Lot-4 (Including Tax)	

**SUMMARY OF BID PRICES FOR LOT 05**

LOT No.	Description	Facility Type	System Size	No. Of Sites	Unit Price Per System (PKR)	Total Price (PKR)
Lot5	Supply & Installation of Solar Step-Up Systems	District Office	6.6 kVA	01		
	Supply & Installation of Solar Step-Up Systems complete	BHU	2.6 kVA	10		
<b>Total</b>						

**FINACIAL SUMMARY OF LOT 5**

DISCRIPTION	AMOUNT
Total Cost of Lot-5 (Without Tax)	
Total Cost of Lot-5 (Including Tax)	

**SUMMARY OF BID PRICES FOR LOT 06**

Item No.	Description	Facility Type	System Size	No. Of Sites	Unit Price Per System (PKR)	Total Price (PKR)
Lot6	Supply & Installation of Solar Step-Up Systems	District Office	6.6 kVA	01		
	Supply & Installation of Solar Step-Up Systems complete	BHU	2.6 kVA	07		
	Supply of Batteries Only	BHU	2.6 kVA	01		

<b>Total</b>	
<b>FINACIAL SUMMARY OF LOT 6</b>	
<b>DISCRIPTION</b>	<b>AMOUNT</b>
Total Cost of Lot-6 (Without Tax)	
Total Cost of Lot-6 (Including Tax)	

**SUMMARY OF BID PRICES FOR LOT 07**

LOT No.	Description	Facility Type	System Size	No. Of Sites	Unit Price Per System (PKR)	Total Price (PKR)
<b>Lot7</b>	Supply & Installation of Solar Step-Up Systems	District Office	6.6 kVA	02		
	Supply & Installation of Solar Step-Up Systems	BHU	2.6 kVA	10		
<b>Total</b>						

**FINACIAL SUMMARY OF LOT 7**

<b>DISCRIPTION</b>	<b>AMOUNT</b>
Total Cost of Lot-7 (Without Tax)	
Total Cost of Lot-7 (Including Tax)	

**SUMMARY OF BID PRICES FOR LOT 08**

Item No.	Description	Facility Type	System Size	No. Of Sites	Unit Price Per System (PKR)	Total Price (PKR)
<b>Lot 8</b>	Supply & Installation of Solar Step-Up Systems	District Office	6.6 kVA	01		
	Supply & Installation of Solar Step-Up Systems	BHU	2. kVA	17		
	Supply & Installation of inverter and battery only	BHU	1.6 kVA	01		
	Supply of Batteries Only	BHU	2.6 kVA	01		
<b>Total</b>						

**FINACIAL SUMMARY OF LOT 8**

<b>DISCRIPTION</b>	<b>AMOUNT</b>
Total Cost of Lot-8 (Without Tax)	
Total Cost of Lot-8 (Including Tax)	

## BOQ for Supply, Installation, Testing & Commissioning of Solar Systems – Lot 1

BOQ For Supply, Installation & Commissioning of 2.6 kVA Solar Systems at designated Locations									
Sr. No	Product / Description	Unit	Qty per Site	No. of Sites	Total Qty	Unit Price (PKR)	Tax BRA/GST %	Tax BRA/GST Amount	Total Amount With Tax
1	Solar Pannels	No.	6	7	42				
2	Inverter	Each	1	7	7				
3	Solar Pannels Mounting Structure (L2 Type)	Set	3	7	21				
4	Battery Bank	No.	2	7	14				
5	DC Cabels	Meter	30	7	210				
6	AC Cables	Meter	25	7	175				
7	DC/AC Protection Set (MCB, SPD, Isolators, Connectors)	Job	1	7	7				
8	Electrical Installation	Job	1	7	7				
<b>Total Cost in PKR without Tax</b>									
<b>Tax Amount</b>									
<b>Grand Total Cost in PKR with Tax</b>									
BOQ For Supply 2.5 kVA Inverter and Battery including installation only.									
Sr. No	Product / Description	Unit	Qty per Site	No. of Sites	Total Qty	Unit Price (PKR)	Tax BRA/GST %	Tax BRA/GST Amount	Total Amount With Tax
1	Inverter	Each	1	1	1				
2	DC Cabels	Meter	30	1	30				
3	AC Cables	Meter	25	1	25				
4	DC/AC Protection Set (MCB, SPD, Isolators, Connectors)	Job	1	1	1				
5	Electrical Installation	Job	1	1	1				
6	Battery Bank	No.	2	1	1				
<b>Total Cost in PKR without Tax</b>									
<b>Tax Amount</b>									
<b>Grand Total Cost in PKR with Tax</b>									
BOQ For Supply 2.5 kVA Inverter including installation only.									
Sr. No	Product / Description	Unit	Qty per Site	No. of Sites	Total Qty	Unit Price (PKR)	Tax BRA/GST %	Tax BRA/GST Amount	Total Amount With Tax
1	Inverter	Each	1	1	1				
2	DC Cabels	Meter	30	1	30				
3	AC Cables	Meter	25	1	25				
4	DC/AC Protection Set (MCB, SPD, Isolators, Connectors)	Job	1	1	1				

5	Electrical Installation	Job	1	1	1				
<b>Total Cost in PKR without Tax</b>									
<b>Tax Amount</b>									
<b>Grand Total Cost in PKR with Tax</b>									
<b>BOQ For Provision of batteries for system of 2.5 kva Batteries only</b>									
Sr. No	Product / Description	Unit	Qty per Site	No. of Sites	Total Qty	Unit Price (PKR)	Tax BRA/GST %	Tax BRA/GST Amount	Total Amount With Tax
1	Battery Bank	No.	2	1	2				
<b>Total Cost in PKR without Tax</b>									
<b>Tax Amount</b>									
<b>Grand Total Cost in PKR with Tax</b>									
<b>BOQ For Supply 4.5 kVA Inverter and installation only</b>									
Sr. No	Product / Description	Unit	Qty per Site	No. of Sites	Total Qty	Unit Price (PKR)	Tax BRA/GST %	Tax BRA/GST Amount	Total Amount With Tax
1	Inverter	Each	1	1	1				
2	DC Cabels	Meter	30	1	30				
3	AC Cables	Meter	25	1	25				
4	DC/AC Protection Set (MCB, SPD, Isolators, Connectors)	Job	1	1	1				
5	Electrical Installation	Job	1	1	1				
<b>Total Cost in PKR without Tax</b>									
<b>Tax Amount</b>									
<b>Grand Total Cost in PKR with Tax</b>									
<b>BOQ For Supply 7 kVA Inverter and installation only</b>									
Sr. No	Product / Description	Unit	Qty per Site	No. of Sites	Total Qty	Unit Price (PKR)	Tax BRA/GST %	Tax BRA/GST Amount	Total Amount With Tax
1	Inverter	Each	1	1	1				
2	DC Cabels	Meter	30	1	30				
3	AC Cables	Meter	25	1	25				
4	DC/AC Protection Set (MCB, SPD, Isolators, Connectors)	Job	1	1	1				
5	Electrical Installation	Job	1	1	1				
<b>Total Cost in PKR without Tax</b>									
<b>Tax Amount</b>									
<b>Grand Total Cost in PKR with Tax</b>									
<b>BOQ For Provision of batteries for system of 5.5 Batteries only</b>									
Sr. No	Product / Description	Unit	Qty per Site	No. of Sites	Total Qty	Unit Price (PKR)	Tax BRA/GST %	Tax BRA/GST Amount	Total Amount With Tax
1	Battery Bank	No.	2	1	2				
<b>Total Cost in PKR without Tax</b>									
<b>Tax Amount</b>									
<b>Grand Total Cost in PKR with Tax</b>									
<b>BOQ For Supply, Installation &amp; Commissioning of 10 kVA Solar Systems at designated Locations</b>									

Sr. No	Product / Description	Unit	Qty per Site	No. of Sites	Total Qty	Unit Price (PKR)	Tax BRA/GST %	Tax BRA/GST Amount	Total Amount With Tax
1	Solar Pannels	No.	16	1	16				
2	Inverter	Each	1	1	1				
3	Solar Pannels Mounting Structure	No.	1	1	1				
4	Battery Bank	No.	6	1	6				
5	DC Cabels	Meter	60	1	60				
6	AC Cables	Meter	25	1	25				
7	DC/AC Protection Set (MCB, SPD, Isolators, Connectors)	Job	1	1	1				
8	Electrical Installation	Job	1	1	1				
<b>Total Cost in PKR without Tax</b>									
<b>Tax Amount</b>									
<b>Grand Total Cost in PKR with Tax</b>									

## BOQ for Supply, Installation, Testing & Commissioning of Solar Systems – Lot 2

BOQ For Supply, Installation & Commissioning of 2.6 kVA Solar Systems at designated Locations									
Sr. No	Product / Description	Unit	Qty per Site	No. of Sites	Total Qty	Unit Price (PKR)	Tax BRA/GST %	Tax BRA/GST Amount	Total Amount With Tax
1	Solar Pannels	No.	6	15	90				
2	Inverter	Each	1	15	15				
3	Solar Pannels Mounting Structure (L2 Type)	Set	3	15	45				
4	Battery Bank	No.	2	15	30				
5	DC Cabels	Meter	30	15	450				
6	AC Cables	Meter	25	15	375				
7	DC/AC Protection Set (MCB, SPD, Isolators, Connectors)	Job	1	15	15				
8	Electrical Installation	Job	1	15	15				
<b>Total Cost in PKR without Tax</b>									
<b>Tax Amount</b>									
<b>Grand Total Cost in PKR with Tax</b>									
BOQ For Provision of batteries for system of 7KVA only									
Sr. No	Product / Description	Unit	Qty per Site	No. of Sites	Total Qty	Unit Price (PKR)	Tax BRA/GST %	Tax BRA/GST Amount	Total Amount With Tax
1	Battery Bank	No.	4	1	4				
<b>Total Cost in PKR without Tax</b>									
<b>Tax Amount</b>									
<b>Grand Total Cost in PKR with Tax</b>									
BOQ For Provision of batteries for system of 3KVA only									
Sr. No	Product / Description	Unit	Qty per Site	No. of Sites	Total Qty	Unit Price (PKR)	Tax BRA/GST %	Tax BRA/GST Amount	Total Amount With Tax
1	Battery Bank	No.	2	1	2				
<b>Total Cost in PKR without Tax</b>									
<b>Tax Amount</b>									
<b>Grand Total Cost in PKR with Tax</b>									
BOQ For Supply, Installation & Commissioning of 6.6 kVA Solar Systems at designated Locations									
Sr. No	Product / Description	Unit	Qty per Site	No. of Sites	Total Qty	Unit Price (PKR)	Tax BRA/GST %	Tax BRA/GST Amount	Total Amount With Tax
1	Solar Pannels	No.	12	3	36				
2	Inverter	Each	1	3	3				
3	Solar Pannels Mounting Structure (L2 Type)	Set	6	3	18				

4	Battery Bank	No.	4	3	12				
5	DC Cabels	Meter	60	3	180				
6	AC Cables	Meter	25	3	75				
7	DC/AC Protection Set (MCB, SPD, Isolators, Connectors)	Job	1	3	3				
8	Electrical Installation	Job	1	3	3				
<b>Total Cost in PKR without Tax</b>									
<b>Tax Amount</b>									
<b>Grand Total Cost in PKR with Tax</b>									

## BOQ for Supply, Installation, Testing & Commissioning of Solar Systems – Lot 3

BOQ For Supply, Installation & Commissioning of 2.6 kVA Solar Systems at designated Locations									
Sr. No	Product / Description	Unit	Qty per Site	No. of Sites	Total Qty	Unit Price (PKR)	Tax BRA/GST %	Tax BRA/GST Amount	Total Amount With Tax
1	Solar Pannels	No.	6	8	48				
2	Inverter	Each	1	8	8				
3	Solar Pannels Mounting Structure (L2 Type)	Set	3	8	24				
4	Battery Bank	No.	2	8	16				
5	DC Cabels	Meter	30	8	240				
6	AC Cables	Meter	25	8	200				
7	DC/AC Protection Set (MCB, SPD, Isolators, Connectors)	Job	1	8	8				
8	Electrical Installation	Job	1	8	8				
<b>Total Cost in PKR without Tax</b>									
<b>Tax Amount</b>									
<b>Grand Total Cost in PKR with Tax</b>									
BOQ For Supply, Installation & Commissioning of 6.6 kVA Solar Systems at designated Locations									
Sr. No	Product / Description	Unit	Qty per Site	No. of Sites	Total Qty	Unit Price (PKR)	Tax BRA/GST %	Tax BRA/GST Amount	Total Amount With Tax
1	Solar Pannels	No.	12	1	12				
2	Inverter	Each	1	1	1				
3	Solar Pannels Mounting Structure (L2 Type)	Set	6	1	6				
4	Battery Bank	No.	4	1	4				
5	DC Cabels	Meter	60	1	60				
6	AC Cables	Meter	25	1	25				
7	DC/AC Protection Set (MCB, SPD, Isolators, Connectors)	Job	1	1	1				
8	Electrical Installation	Job	1	1	1				
<b>Total Cost in PKR without Tax</b>									
<b>Tax Amount</b>									
<b>Grand Total Cost in PKR with Tax</b>									
BOQ For Supply 3.5kVA Inverter and installation only									
Sr. No	Product / Description	Unit	Qty per Site	No. of Sites	Total Qty	Unit Price (PKR)	Tax BRA/GST %	Tax BRA/GST Amount	Total Amount With Tax
1	Inverter	Each	1	1	1				
2	DC Cabels	Meter	30	1	30				

3	AC Cables	Meter	25	1	25				
4	DC/AC Protection Set (MCB, SPD, Isolators, Connectors)	Job	1	1	1				
5	Electrical Installation	Job	1	1	1				
<b>Total Cost in PKR without Tax</b>									
<b>Tax Amount</b>									
<b>Grand Total Cost in PKR with Tax</b>									

## BOQ for Supply, Installation, Testing & Commissioning of Solar Systems – Lot 4

BOQ For Supply, Installation & Commissioning of 2.6 kVA Solar Systems at designated Locations									
Sr. No	Product / Description	Unit	Qty per Site	No. of Sites	Total Qty	Unit Price (PKR)	Tax BRA/GST %	Tax BRA/GST Amount	Total Amount With Tax
1	Solar Pannels	No.	6	7	42				
2	Inverter	Each	1	7	7				
3	Solar Pannels Mounting Structure (L2 Type)	Set	3	7	21				
4	Battery Bank	No.	2	7	14				
5	DC Cabels	Meter	30	7	210				
6	AC Cables	Meter	25	7	175				
7	DC/AC Protection Set (MCB, SPD, Isolators, Connectors)	Job	1	7	7				
8	Electrical Installation	Job	1	7	7				
<b>Total Cost in PKR without Tax</b>									
<b>Tax Amount</b>									
<b>Grand Total Cost in PKR with Tax</b>									
BOQ For Supply 3.5kVA Inverter and installation only									
Sr. No	Product / Description	Unit	Qty per Site	No. of Sites	Total Qty	Unit Price (PKR)	Tax BRA/GST %	Tax BRA/GST Amount	Total Amount With Tax
1	Battery Bank	No.	2	1	2				
<b>Total Cost in PKR without Tax</b>									
<b>Tax Amount</b>									
<b>Grand Total Cost in PKR with Tax</b>									

## BOQ for Supply, Installation, Testing & Commissioning of Solar Systems – Lot 5

BOQ For Supply, Installation & Commissioning of 2.6 kVA Solar Systems at designated Locations									
Sr. No	Product / Description	Unit	Qty per Site	No. of Sites	Total Qty	Unit Price (PKR)	Tax BRA/GST %	Tax BRA/GST Amount	Total Amount With Tax
1	Solar Pannels	No.	6	10	60				
2	Inverter	Each	1	10	10				
3	Solar Pannels Mounting Structure (L2 Type)	Set	3	10	30				
4	Battery Bank	No.	2	10	20				
5	DC Cabels	Meter	30	10	300				
6	AC Cables	Meter	25	10	250				
7	DC/AC Protection Set (MCB, SPD, Isolators, Connectors)	Job	1	10	10				
8	Electrical Installation	Job	1	10	10				
<b>Total Cost in PKR without Tax</b>									
<b>Tax Amount</b>									
<b>Grand Total Cost in PKR with Tax</b>									
BOQ For Supply, Installation & Commissioning of 6.6 kVA Solar Systems at designated Locations									
Sr. No	Product / Description	Unit	Qty per Site	No. of Sites	Total Qty	Unit Price (PKR)	Tax BRA/GST %	Tax BRA/GST Amount	Total Amount With Tax
1	Solar Pannels	No.	12	1	12				
2	Inverter	Each	1	1	1				
3	Solar Pannels Mounting Structure (L2 Type)	Set	6	1	6				
4	Battery Bank	No.	4	1	4				
5	DC Cabels	Meter	60	1	60				
6	AC Cables	Meter	25	1	25				
7	DC/AC Protection Set (MCB, SPD, Isolators, Connectors)	Job	1	1	1				
8	Electrical Installation	Job	1	1	1				
<b>Total Cost in PKR without Tax</b>									
<b>Tax Amount</b>									
<b>Grand Total Cost in PKR with Tax</b>									

## BOQ for Supply, Installation, Testing & Commissioning of Solar Systems – Lot 6

BOQ For Supply, Installation & Commissioning of 2.6 kVA Solar Systems at designated Locations									
Sr. No	Product / Description	Unit	Qty per Site	No. of Sites	Total Qty	Unit Price (PKR)	Tax BRA/GST %	Tax BRA/GST Amount	Total Amount With Tax
1	Solar Pannels	No.	6	7	42				
2	Inverter	Each	1	7	7				
3	Solar Pannels Mounting Structure (L2 Type)	Set	3	7	21				
4	Battery Bank	No.	2	7	14				
5	DC Cabels	Meter	30	7	210				
6	AC Cables	Meter	25	7	175				
7	DC/AC Protection Set (MCB, SPD, Isolators, Connectors)	Job	1	7	7				
8	Electrical Installation	Job	1	7	7				
<b>Total Cost in PKR without Tax</b>									
<b>Tax Amount</b>									
<b>Grand Total Cost in PKR with Tax</b>									
BOQ For Supply, Installation & Commissioning of 6.6 kVA Solar Systems at designated Locations									
Sr. No	Product / Description	Unit	Qty per Site	No. of Sites	Total Qty	Unit Price (PKR)	Tax BRA/GST %	Tax BRA/GST Amount	Total Amount With Tax
1	Solar Pannels	No.	12	1	12				
2	Inverter	Each	1	1	1				
3	Solar Pannels Mounting Structure (L2 Type)	Set	6	1	6				
4	Battery Bank	No.	4	1	4				
5	DC Cabels	Meter	60	1	60				
6	AC Cables	Meter	25	1	25				
7	DC/AC Protection Set (MCB, SPD, Isolators, Connectors)	Job	1	1	1				
8	Electrical Installation	Job	1	1	1				
<b>Total Cost in PKR without Tax</b>									

<b>Tax Amount</b>									
<b>Grand Total Cost in PKR with Tax</b>									
<b>BOQ For Provision of 2.6 kva batteries only</b>									
<b>Sr. No</b>	<b>Product / Description</b>	<b>Unit</b>	<b>Qty per Site</b>	<b>No. of Sites</b>	<b>Total Qty</b>	<b>Unit Price (PKR)</b>	<b>Tax BRA/GST %</b>	<b>Tax BRA/GST Amount</b>	<b>Total Amount With Tax</b>
4	Battery Bank	No.	2	1	2				
<b>Total Cost in PKR without Tax</b>									
<b>Tax Amount</b>									
<b>Grand Total Cost in PKR with Tax</b>									

## BOQ for Supply, Installation, Testing & Commissioning of Solar Systems – Lot 7

BOQ For Supply, Installation & Commissioning of 2.6 kVA Solar Systems at designated Locations									
Sr. No	Product / Description	Unit	Qty per Site	No. of Sites	Total Qty	Unit Price (PKR)	Tax BRA/GST %	Tax BRA/GST Amount	Total Amount With Tax
1	Solar Pannels	No.	6	10	60				
2	Inverter	Each	1	10	10				
3	Solar Pannels Mounting Structure (L2 Type)	Set	3	10	30				
4	Battery Bank	No.	2	10	20				
5	DC Cabels	Meter	30	10	300				
6	AC Cables	Meter	25	10	250				
7	DC/AC Protection Set (MCB, SPD, Isolators, Connectors)	Job	1	10	10				
8	Electrical Installation	Job	1	10	10				
<b>Total Cost in PKR without Tax</b>									
<b>Tax Amount</b>									
<b>Grand Total Cost in PKR with Tax</b>									
BOQ For Supply, Installation & Commissioning of 6.6 kVA Solar Systems at designated Locations									
Sr. No	Product / Description	Unit	Qty per Site	No. of Sites	Total Qty	Unit Price (PKR)	Tax BRA/GST %	Tax BRA/GST Amount	Total Amount With Tax
1	Solar Pannels	No.	12	2	24				
2	Inverter	Each	1	2	2				
3	Solar Pannels Mounting Structure (L2 Type)	Set	6	2	12				
4	Battery Bank	No.	4	2	8				
5	DC Cabels	Meter	60	2	120				
6	AC Cables	Meter	25	2	50				
7	DC/AC Protection Set (MCB, SPD, Isolators, Connectors)	Job	1	2	2				
8	Electrical Installation	Job	1	2	2				
<b>Total Cost in PKR without Tax</b>									
<b>Tax Amount</b>									
<b>Grand Total Cost in PKR with Tax</b>									

## BOQ for Supply, Installation, Testing & Commissioning of Solar Systems – Lot 8

BOQ For Supply, Installation & Commissioning of 2.6 kVA Solar Systems at designated Locations									
Sr. No	Product / Description	Unit	Qty per Site	No. of Sites	Total Qty	Unit Price (PKR)	Tax BRA/GST %	Tax BRA/GST Amount	Total Amount With Tax
1	Solar Pannels	No.	6	17	102				
2	Inverter	Each	1	17	17				
3	Solar Pannels Mounting Structure (L2 Type)	Set	3	17	51				
4	Battery Bank	No.	2	17	34				
5	DC Cabels	Meter	30	17	510				
6	AC Cables	Meter	25	17	425				
7	DC/AC Protection Set (MCB, SPD, Isolators, Connectors)	Job	1	17	17				
8	Electrical Installation	Job	1	17	17				
<b>Total Cost in PKR without Tax</b>									
<b>Tax Amount</b>									
<b>Grand Total Cost in PKR with Tax</b>									
BOQ For Supply, Installation & Commissioning of 6.6 kVA Solar Systems at designated Locations									
Sr. No	Product / Description	Unit	Qty per Site	No. of Sites	Total Qty	Unit Price (PKR)	Tax BRA/GST %	Tax BRA/GST Amount	Total Amount With Tax
1	Solar Pannels	No.	12	1	12				
2	Inverter	Each	1	1	1				
3	Solar Pannels Mounting Structure (L2 Type)	Set	6	1	6				
4	Battery Bank	No.	4	1	4				
5	DC Cabels	Meter	60	1	60				
6	AC Cables	Meter	25	1	25				
7	DC/AC Protection Set (MCB, SPD, Isolators, Connectors)	Job	1	1	1				
8	Electrical Installation	Job	1	1	1				
<b>Total Cost in PKR without Tax</b>									
<b>Tax Amount</b>									
<b>Grand Total Cost in PKR with Tax</b>									
BOQ For Supply 1.6 kVA Inverter and installation only									
Sr. No	Product / Description	Unit	Qty per Site	No. of Sites	Total Qty	Unit Price (PKR)	Tax BRA/GST %	Tax BRA/GST Amount	Total Amount With Tax
1	Inverter	Each	1	1	1				
2	DC Cabels	Meter	30	1	30				

3	AC Cables	Meter	25	1	25				
4	DC/AC Protection Set (MCB, SPD, Isolators, Connectors)	Job	1	1	1				
5	Electrical Installation	Job	1	1	1				
<b>Total Cost in PKR without Tax</b>									
<b>Tax Amount</b>									
<b>Grand Total Cost in PKR with Tax</b>									
<b>BOQ For Provision of batteries for 2.6 KVA only</b>									
Sr. No	Product / Description	Unit	Qty per Site	No. of Sites	Total Qty	Unit Price (PKR)	Tax BRA/GST %	Tax BRA/GST Amount	Total Amount With Tax
1	Battery Bank	No.	2	1	2				
<b>Total Cost in PKR without Tax</b>									
<b>Tax Amount</b>									
<b>Grand Total Cost in PKR with Tax</b>									
<b>BOQ For Provision of batteries for 1.5 KVA only</b>									
Sr. No	Product / Description	Unit	Qty per Site	No. of Sites	Total Qty	Unit Price (PKR)	Tax BRA/GST %	Tax BRA/GST Amount	Total Amount With Tax
1	Battery Bank	No.	2	1	2				
<b>Total Cost in PKR without Tax</b>									
<b>Tax Amount</b>									
<b>Grand Total Cost in PKR with Tax</b>									

**Note: Each Bidder must mention clearly the rate of BRA & GST applicable on each item of its Bid.**

4. Offer must be quoted on TCA (Total Cost of Acquisition) basis at the risk & cost of the bidder. This means:
  - i. ALL costs (including duties, taxes & other Govt. payables) incurred up-to delivery at the designated location of the Peoples Primary Health Initiative (PPHI-B).
  - ii. Complete services as required in the schedule of requirements of this bidding document.
  - iii. Cost including fixation, assembling, dismantling etc. (As & where applicable).
5. BST/GST Taxes must be included along-with the price of each item/components/service.
6. In-case of any Tax exemptions, exemption certificate from the concerned Tax Office / Regional Tax Office pertaining particularly to this case may be provided; otherwise, taxes shall be deducted as per Government Policy / Rules.

Every page of the Bid must be numbered, signed & stamped by the bidder.

7. **Financial Evaluation.** Financial Proposals of the Responsive Technical Proposals shall be publicly opened in the next meeting as specified in this document under the heading of "Letter of Invitation for Bid" Financial Comparative Statement / Evaluation Report of the "Responsive Proposals" shall be prepared by the **PROCUREMENT COMMITTEE** in the following manner:

### Financial Evaluation Criteria

Lot-1 Financial Comparative Statement									
S.#	System Description	Quantity	Unit (Sites)	Qualified Bidder 1		Qualified Bidder 2		Qualified Bidder 3	
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price

1	2.6 kVA Solar System	xxxx							
2	10 kVA Solar System	xxxx							
3	2.6 kVA system batteries	xxxx							
4	4.5 kVA Inverter supply and Installation	xxxx							
5	5.5 kVA system batteries	xxxx							
6	7 kVA Inverter supply and Installation	xxxx							
Total Evaluated Cost (Lot-1)									

**Lot-2-8 Financial Comparative Statement**  
(same format repeated)

Moreover;

- i. Subsequently, the prepared Financial Evaluation Report shall duly be signed by all the members of the Procurement Committee.
- ii. Comparatives of Financial will be prepared and signed by the procurement Committee in detail.
- iii. If there is any discrepancy between Unit rate and total rate, the unit rate will always govern.
- iv. If there is any discrepancy in tender documents clause and Work Order Clause, the work order Clause will always govern.
- v. If there is any discrepancy between amount in words and amount in figures, the amount in words will always govern.
- vi. All prices shall quote along with all applicable taxes and all quoted prices will be considered inclusive of all applicable taxes

**5. Recommendation of Procurement Committee**

- I- After Financial Evaluation (of only technically approved bidders), the contract will be awarded to the “Lowest Financially Evaluated bidder” with minimum quoted rates among all the Technical Qualified Bidders. PPHI-B reserve the right to issue work order to the lowest quoted bidder on items wise or as whole of the financially evaluated Bid
- II- PPHI-Balochistan reserves the right to award complete work as per mentioned as detailed in data sheet of assignment of this document or partially as this shall be subject to availability of funds.

**TERMS AND CONDITIONS:**

1. Completion time may be clearly specified. Where completion time shall mean; time consumed execution of required services to the designated location of Peoples Primary Health Initiative (PPHI-B), including but not limited to time required for development of Performa/forms **(Complete delivery as per the schedule of requirements services detailed in the Data-Sheet)**
2. Maximum completion time for the assignment is **90 Days** from the date of work Order.
3. Tenders must be quoted in Pakistani Rupees (PKR).
4. Tax Liability:

- i. Complete Tax liability is to be borne by the Vendor/individual as per the applicable rate of tax authority.
- ii. Quoted prices shall be **inclusive of all applicable Taxes with maintaining of %age ofBRA/ GST.**
- iii. In-case of any Tax exemptions, exemption certificate from the concerned Tax Office / Regional Tax Office pertaining particularly to this case may be provided; otherwise, taxes shall be deducted as per Government Policy / Rules.
- iv. All tax variations by the Tax Authorities will be borne by the vendor only, there will be no change in contract.
5. Validity of the bid would be at-least **90 Days** (to be specified by the Peoples Primary Health Initiative (PPHI-Balochistan) / office) from the date of Tender opening.
6. Financial Bids must be accompanied with Bid Security Deposit at Call from a scheduled bank @ 2% of quoted bid value favoring the PPHI Balochistan.
7. In case of late delivery of supplies, the bidder may be blacklisted and late delivery penalty (Liquidated Damages) shall be imposed at the rate of 0.25% per day (of the value of items delivered late) per day, up to a maximum of 20% of the Contract Value.
8. Bid Security of successful bidder/s shall be released after 30 days of completion of all deliveries as per work/supply order.
9. A performance security equivalent to 5% of the contract value, in the form of a Pay Order or Demand Draft, shall be required to cover the warranty period (only for warranty items if any).
10. The bid security of successful bidders submitted by the firm shall be considered as performance security. However, if the firm/vendor opts, a separate Bid Security amounting to 2% of the total work/supply order value in lieu of total bid security or performance Security.
11. Bid Security of unsuccessful bidder/s shall be released within 10 working days from the date of award of contract to the successful bidder/s.
12. Tender will be awarded to the technically qualified (with approved sample) lowest quoted bidder (Item-wise or whole) after financial evaluation.
13. PPHI-Balochistan shall not be responsible for any theft or loss during delivery of supplies at required destination.
14. Payment release is subject to delivery report duly signed by the authorized officials by competent authority PPHI-Balochistan.
15. Payment:
  - i. Advance payment is not allowed.
  - ii. Partial payment shall be made upon successful supply of 50% of the total ordered items. Payment for 50% of the supplied quantity will be processed, while 10% shall be withheld as performance security until completion of the remaining supplies. The balance payment will be released upon 100% successful delivery of the remaining items within 30 working days subject to the submission of all required documents and verification of quality as per the specifications outlined in the tender documents and approved samples.

#### **CURRENCY & BID VALIDITY**

- **Pak Rupees & 90 Days**

**DECLARATION BY THE BIDDER**

I solemnly undertake that:

- a. Having read, understood & made myself aware of all the Terms & conditions mentioned in this Bidding Document & the Rules, Regulations & Policies of the Government of Balochistan, governing the procurement & financial matters, **AGREE, ACCEPT & UNDETAKE TO ABIDE BY THE SAME.**
- b. The information provided in this form is correct to the best of my knowledge & in the event of change; details will be provided as soon as possible

Name & Designation \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

Company Stamp. \_\_\_\_\_