

DISTRICT REMOUNT OFFICE

CHENAB BREADING AREA (CBA), FAISALABAD

BIDDING DOCUMENT

SUPPLY, INSTALLATION, TESTING & COMMISSIONING

OF 8 kW OFF-GRID SOLAR SYSTEM

AT RISALEWALA, FAISALABAD

SECTION 1: INVITATION FOR BIDS (IFB)

District Remount Office (Chenab Breeding Area), Faisalabad invites sealed bids under PPRA Rule 36(a) from eligible firms registered with FBR (Active NTN & ATL), valid PEC registration (Electrical/Power category), having relevant experience in off-grid solar installations and not blacklisted by any Government/Semi-Government organization.

Name of Work:

- **Supply, Installation, Testing & Commissioning of 8 kW Off-Grid Solar System at Risalewala, Faisalabad.**

SECTION 2: INSTRUCTIONS TO BIDDERS (ITB)

2.1 Eligible Bidders

Bidders must:

- Be registered with FBR (Active Taxpayer)
- Possess valid PEC Registration
- Registered excise and Taxation Department govt of Punjab of the FY 2025-26
- Have at least 3 similar solar installations completed
- Provide affidavit of non-blacklisting

2.2 Cost of Bidding

All costs shall be borne by the bidder.

2.3 Clarification of Bidding Documents

Any clarification shall be sought in writing at least 3 days before submission date.

2.4 Amendment of Bidding Documents

Procuring agency may amend documents before deadline.

2.5 Language

Bid shall be prepared in English.

2.6 Documents Comprising the Bid

- Company Profile
- PEC Registration
- NTN & ATL Proof

- Professional Tax Certificate
- Experience Certificates
- Technical compliance sheet
- Brochures/Data sheets
- Method statement
- Project timeline
- Warranty commitments
- Bid Form
- Price Schedule (BOQ format)
- Bid Security

SECTION 3: BIDDING DATA SHEET (BDS)

Item	Description
Procuring Agency	DRO, Chenab Breeding Area, Faisalabad
Procurement Method	PPRA Rule 36(a)
Bid Security	2% of quoted amount
Performance Security	10% of contract value
Completion Period	30-45 days
Bid Validity	90 days
Evaluation Method	Single Stage – One Envelope

SECTION 4: EVALUATION & QUALIFICATION CRITERIA

4.1 Preliminary Examination

- Properly signed bid
- Required bid security
- Complete documentation

4.2 Technical Evaluation (Mandatory Compliance)

Criteria	Requirement
Experience	Minimum 3 similar projects
Financial Capacity	Average annual turnover equal to contract value
Technical Staff	Qualified Electrical Engineer
Compliance	100% compliance with specifications

4.3 Financial Evaluation

- Lowest Evaluated Responsive Bid (L1)
- Arithmetic corrections if required
- Taxes as per Government Rules

4.4 EVALUATION & SCORING MATRIX

Technical Evaluation (50 Marks) Financial Evaluation (50 Marks)

Criteria	Marks	Remarks
Company Experience (3 Similar Projects)	10	
Technical Staff Qualification	10	
Financial Strength (Turnover/Audit Reports)	10	
Compliance with Technical Specifications	10	
Warranty & After Sales Support	10	
Financially Quotation	50	

Financial Evaluation: Lowest Evaluated Responsive Bid

SECTION 5: SCOPE OF WORK

The contractor shall:

1. Supply complete 8 kW Off-Grid Solar System
2. Install mounting structures
3. Install inverter & battery bank
4. Complete DC & AC wiring
5. Install protection system
6. Perform testing & commissioning
7. Provide training to end users
8. Provide as-built drawings

SECTION 6: TECHNICAL SPECIFICATIONS

(8 kW OFF-GRID SOLAR SYSTEM)

6.1 Solar PV Modules

- Total Capacity: 8 kW
- Tier-1 Manufacturer
- Minimum 540–580W Mono PERC panels
- Efficiency $\geq 20\%$
- IEC 61215 & IEC 61730 certified
- 25 years performance warranty
- 10–12 years product warranty

6.2 Solar Inverter (Off-Grid / Hybrid)

- Rated Capacity: Minimum 8 kW
- Pure sine wave output

- MPPT technology
- 48V system preferred
- LCD Display
- Efficiency $\geq 95\%$
- Overload, short circuit & surge protection
- Communication port for monitoring

6.3 Battery Bank

- Type: Lithium (Preferred) or Tubular (Deep Cycle)
- Backup: Minimum 4–6 hours at full load
- Battery Bank Voltage: 48V
- Proper rack installation
- Battery management system (for lithium)

6.4 Mounting Structure

- Hot dip galvanized iron structure
- Wind load design up to 150 km/h
- Anti-rust coated
- Tilt angle optimized for Faisalabad region

6.5 Protection & Safety

- DC Isolators
- AC Isolators
- SPD (Surge Protection Devices)
- Earthing System (3-point earthing minimum)
- Lightning Arrester
- Proper cable trays and conduits

6.6 Cabling

- DC Cables: UV resistant, TUV certified
- AC Cables: Pakistan Cables / equivalent approved
- Proper tagging and labeling

6.7 Testing & Commissioning

- Open circuit voltage test
- Load test
- Earthing resistance test
- System demonstration

SECTION 7: BILL OF QUANTITIES (BOQ)

Sr	Description	Qty	Unit
1	Solar Panels (Tier-1, 540-580W, IEC Certified)	As required for 8 kW	Lot
2	8 kW Off-Grid Inverter (MPPT, ≥95% Efficiency)	As required for 8 kW	Each
3	Battery Bank (48V System, 4-6 Hours Backup)	Complete Set	Lot
4	Mounting Structure (Hot Dip Galvanized)	Complete	Lot
5	Protection System (SPD, Earthing, Isolators)	Complete	Lot
6	Installation & Commissioning	Complete	Job

(Price to be quoted inclusive of all taxes, Sales Tax need to be mentioned Separately if any)

SECTION 8: GENERAL CONDITIONS OF CONTRACT (GCC)

1. Contractor responsible for full system performance.
2. Completion within agreed timeline.
3. Payment terms:
 - 100% after installation & successful commissioning
4. Warranty:
 - Panels: 25 years
 - Inverter: 5 years minimum
 - Batteries: 3-5 years (as applicable)
5. Defect Liability Period: 12 months.

SECTION 9: SPECIAL CONDITIONS OF CONTRACT (SCC)

1. Site is located at Risalewala, Faisalabad.
2. Contractor shall conduct site survey before installation.
3. No advance payment unless approved.
4. Delay penalty: 0.1% per day of contract value.
5. Security clearance may be required.

SECTION 10: STANDARD FORMS

FORM 1 – BID SUBMISSION FORM

To:

District Remount Officer (CBA)

Chenab Breeding Area, Faisalabad

Subject: Bid for Supply, Installation, Testing & Commissioning of 8 kW Off-Grid Solar System at Risalewala, Faisalabad

We, the undersigned, having examined the Bidding Documents, hereby submit our Bid for the execution and completion of the above-mentioned works in conformity with the said documents.

1. Total Bid Price (Inclusive of all taxes): Rs. _____

2. Bid Validity: 90 Days

3. Bid Security Attached: Yes / No

We undertake, if our Bid is accepted, to commence and complete the Works within the stipulated time period as specified in the Bidding Documents.

Authorized Signature: _____

Name & Designation: _____

Company Name: _____

NTN No: _____

PEC Registration No: _____

Date: _____

Company Stamp: _____

FORM 2 – BID SECURITY FORM

Bank Guarantee / Call Deposit / Pay Order No: _____

Bank Name: _____

Amount (2% of Bid Price): Rs. _____

In Favor of: Chenab Breeding Area Faisalabad

This is to certify that the above Bid Security is issued in connection with the bid submitted for the Supply, Installation, Testing & Commissioning of 8 kW Off-Grid Solar System at Risalewala.

Signature of Bank Officer: _____

Bank Seal: _____

Date: _____

FORM 3 – PERFORMANCE SECURITY FORM

Contract No: _____

Date: _____

Amount (10% of Contract Value): Rs. _____

Whereas _____ (Contractor Name) has been awarded the Contract for Supply, Installation, Testing & Commissioning of 8 kW Off-Grid Solar System at Risalewala, Faisalabad.

We hereby undertake to pay the Procuring Agency up to the above amount upon first written demand in case of default by the Contractor under the terms of the Contract.

Bank Name: _____

Authorized Signature: _____

Bank Seal: _____

FORM 4 – AFFIDAVIT (NON-BLACKLISTING)

I/We hereby solemnly declare that our firm/company has not been blacklisted by any Government, Semi-Government, Autonomous Body or Public Sector Organization in Pakistan.

I/We further affirm that all information provided in the Bid is true and correct. In case of any misrepresentation, the Procuring Agency reserves the right to cancel the contract.

Authorized Signature: _____

Name & CNIC: _____

Company Name: _____

Date: _____

Stamp: _____

FORM 5 – INTEGRITY PACT

This Integrity Pact is made in accordance with Rule 7 of the Public Procurement Rules to ensure transparency and prevention of corrupt practices.

The Contractor hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Pakistan or any administrative subdivision or agency thereof through any corrupt business practice.

Without limiting the generality of the foregoing, the Contractor represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone any gratuity, bribe, finder's fee or kickback.

The Contractor accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this Integrity Pact.

Authorized Signature (Contractor): _____

Name & Designation: _____

Company Stamp: _____

Date: _____

SECTION 11: CONTRACT AGREEMENT

Will be provided to successful bidder upon acceptance of offer letter.

SECTION 12: LEGAL COMPLIANCE

This bidding document is prepared in accordance with:

- Public Procurement Rules (PPRA)
- PEC Regulations (where applicable)
- FBR Tax Regulations
- Government of Pakistan Procurement Guidelines