

Tender Notice
(Single Stage – Two Envelop)

The Pakistan Council of Research in Water Resources (PCRWR), operating under the Ministry of Water Resources, invites sealed bids from firms/companies registered with the Income/Sales Tax departments and listed as active taxpayers with FBR/PRA. Eligible bidders must specialize in electrical, mechanical, and civil works and have relevant experience in Government or Semi-Government Organizations for the supply, installation, and commissioning of a solar-powered submersible pump system at the Field Research Station (FRS) in Dingarh, Cholistan Desert. The tender document, detailing material specifications, can be obtained from the undersigned's office by providing registration certificates along with a non-refundable document fee of Rs. 2,000/-, in accordance with Rule 23(5) of the Public Procurement Rules, 2004, during office hours. Completed tender documents, along with earnest money amounting to 5% of the bidding amount, must be submitted on or before May 23, 2025, at 10:00 AM, with bids opening on the same day at 10:30 AM in the presence of the Tender Opening Committee and representatives of interested contractors.

Regional Director

Pakistan Council of Research in Water Resources (PCRWR), Regional Office,
29 - Sajid Awan Colony, Bahawalpur – Pakistan
Phone No.062-9250191, Fax.062-9250189
E-mail: ropcrwrwp@gmail.com

Tender Fee Rs. 2,000

**Government of Pakistan
Ministry of Water Resources
PAKISTAN COUNCIL OF RESEARCH IN WATER
RESOURCES**



TENDER DOCUMENT

Installation of Solarized Submersible Pump

At

Field Research Station Dingarh, Cholistan Desert

Submission deadline:

May 23, 2025

Regional Office PCRWR, Bahawalpur

Phone No.062-9250191, Fax.062-9250189

E-mail: ropcrwrbbwp@gmail.com

TENDER DOCUMENT

“Installation of Solarized Submersible Pump”

Location: Field Research Station (FRS), Pakistan Council of Research in Water Resources (PCRWR), Dingarh, Cholistan Desert

Tender Fee: Rs. 2,000

Submission Deadline: May 23, 2025

Contact Information:

29- Sajid Awan Colony, Rafi Qamar Road, Regional Office PCRWR, Bahawalpur

Phone: 062-9250191

Fax: 062-9250189

Email: ropcrwrbwp@gmail.com

1. General Information About the Contractor/Firm

Firm Name: _____

Business Type: _____

Organization Type: _____

NTN Number: _____

GST Number: _____

Active Taxpayer Status: _____

Phone: _____

Email: _____

Contact Person: _____

**Signature & Seal
of
Contractor/Firm**

2. Terms & Conditions

2.1 General

Sealed bids are invited from eligible firms, suppliers, and contractors registered with relevant tax authorities under PPRA Rules, Government of Pakistan, for the supply, installation, and commissioning of a solar-powered submersible pump system at the Field Research Station (FRS) of Pakistan Council of Research in Water Resources (PCRWR) at Dingarh, Cholistan Desert. The bidding process will follow Single Stage Two Envelope Procedure as per PPRA guidelines. Interested bidders must submit separate technical and financial proposals in sealed envelopes. Firms must be registered with tax authorities and possess relevant experience in electrical, mechanical, and civil works.

A complete set of bidding documents can be purchased from the Regional Director, PCRWR Bahawalpur upon submission of a written application and a non-refundable tender fee of Rs. 2,000/-

2.2 Bid Submission & Opening

- Submission Deadline: May 23, 2025, by 10:00 AM
- Technical Bid Opening: May 23, 2025, at 10:30 AM
- Financial Bid Opening: May 23, 2025, at 11:00 AM

The tender would be valid for 120 days from the date of tender opening. Bids must be accompanied by an Earnest Money Deposit of 5% of the total bid amount in the form of a demand draft/pay order in favor of Regional Director, PCRWR Bahawalpur. Unsealed bids or those without earnest money will be rejected. The Competent Authority reserves the right to reject any or all bids prior to acceptance as per PPRA Rules. Grounds for rejection may be communicated upon request.

3. Eligibility Criteria

Bidders must provide:

- Valid registrations with FBR/PRA & professional tax certificates.
- Experience certificates and three completed project work orders (past five years).
- One work order for an ongoing project of similar worth.
- Financial soundness certificate & bank turnover certificate (last one year).

3. Scope of Work

The selected bidder shall be responsible for:

- Supply and installation of a solar-powered submersible pump system complete with all accessories.
- Commissioning and testing at the designated site.
- Demonstration of full functionality upon completion.
- Warranty & after-sales support for a minimum of six months from commissioning.
- Training for PCRWR staff on system operation and maintenance.
- Regular reporting on installation progress and technical support availability.

4. Bid Pricing & Quoting

- Prices should be inclusive of supply, transportation, and installation, with all applicable taxes.
- Prices must be quoted in Pakistani Rupees (PKR).
- No bids will be entertained after the submission deadline.

5. Evaluation Criteria

Technical Evaluation (60%)

- Experience (35 Marks): Past projects & performance certificates.
- Manpower (30 Marks): List of relevant personnel & machinery.
- Equipment (35 Marks): Availability of required machinery.

Financial Evaluation (40%)

- Lowest price: 100 Marks
- 2nd lowest: 95 Marks
- 3rd lowest: 90 Marks

PCRWR reserves the right to verify all submitted documents and assess the execution quality.

6. Purchaser's Rights

PCRWR reserves the right to:

- Increase/decrease quantities or cancel the tender without financial liability.
- Reject any or all bids per PPRA Rules.

7. Technical Specifications

7.1. Electrical Accessories

Sr. No.	Item	Specifications	Quantity	Amount (PKR)	GST	Total Amount (PKR)
1	3-Phase Motor Starter	Compatible with 12 HP motor	1 Unit			
2	Electrical Distribution Box	Complete with circuit breakers	1 Unit			
3	Overload Relay	To prevent motor overheating	1 Unit			
4	Electrical Wire	3-core copper cable as per motor rating and depth, water-proof	As required			
5	Solar Inverter	INVT VFD Solar Inverter (15-18 KW) or equivalent, such as Inverex, meeting MPPT efficiency, overload protection, and compatibility with solar water pumping systems.	1 Unit			
6	Double PVC XLP Cable	Coated for outdoor use (10 mm full gauge). Use MC4 connectors for secure, weatherproof connections	As required			
7	Weatherproof Enclosure for Electronics	Protection of electrical components from environmental factors	1 Unit			

7.2 Mechanical Accessories

Sr. No.	Item	Specifications	Quantity	Amount (PKR)	GST	Total Amount (PKR)
8	12 HP Motor with Submersible Pump	4-5 - inch delivery	1 Unit			
9	GI/PVC Pipe with Fitting	For 4-5-inch water delivery pipe (depending	As required			

Sr. No.	Item	Specifications	Quantity	Amount (PKR)	GST	Total Amount (PKR)
	Accessories	on water table depth, e.g., 60ft)				
10	Submersible Motor and Pump Fitting Labor	Installation services	Lump Sum			
11	Solar Panels	Tier-1 Canadian N-Type Bifacial 585-Watt or equivalent	As required (28-30) solar panels			
12	Mounting Structure	Fixed galvanized frame, 14-gauge	As required			

7.3 Civil Works & Miscellaneous

Sr. No.	Item	Specifications	Quantity	Amount (PKR)	GST	Total Amount (PKR)
13	Miscellaneous Items	Duct patti, rawal bolt, clips, ties, etc.	Lump Sum			
14	Freight Charges	Complete transportation and lifting	Lump Sum			
15	Supply and install barbed wire fencing around the solar panel site in the Cholistan Desert (A gate made of the same angle iron and barbed wire material should be installed at a convenient access point. This will facilitate easy entrance for cleaning and maintenance of the solar panels while maintaining security and protection against unauthorized access and wildlife.)	The structure consists of 1½"x1½"x3/16" (40x40x5mm) angle iron posts, 5' (1500 mm) long, spaced 4' (1200 mm) apart, embedded in a cement concrete (1:4:8) base of 6"x6"x9" (150x150x225 mm). The fencing includes four rows of barbed wire, secured with binding wire for protection against unauthorized access and wildlife. Posts will be painted for durability. Installation will comply with technical specifications.	290 RFT			
16		Including civil work complete in all aspect (The mounting structure will				

Sr. No.	Item	Specifications	Quantity	Amount (PKR)	GST	Total Amount (PKR)
	Solar System Installation & Commissioning	be securely embedded in a cement concrete base with a mix ratio of 1:4:8. The foundation dimensions will be 1' x 1' x 2' (300 x 300 x 600 mm), ensuring stability and durability.	Lump Sum			
Note: <u>PCRWR has a borehole with a 12-inch diameter and a depth of about 250 feet at the installation site. The water table in the area is between 55 and 60 feet deep. The solar-powered submersible pump, along with all necessary electrical, mechanical, and civil components, will be installed within and around this borehole to ensure smooth operation and meet technical requirements.</u>						

8. Payment Terms

- No advance payment shall be made.
- Payments shall be made after satisfactory installation and verification.
- A 10% security deposit shall be withheld for six months and released upon satisfactory performance.
- Additional costs for unforeseen installation requirements shall be approved in writing by PCRWR.

9. Maintenance & Support

- The successful bidder shall provide three months of free maintenance.
- Any defective components shall be repaired or replaced within 48 hours of reporting during the warranty period, ensuring uninterrupted system functionality.
- A detailed troubleshooting manual shall be provided to PCRWR staff.

10. Training & Handover

- The bidder shall provide on-site training to PCRWR technical staff.
- Training shall cover system operation, safety procedures, and basic troubleshooting.
- A comprehensive handover report shall be submitted upon project completion.

11. Performance Guarantee

- The successful bidder must provide a Performance Guarantee of 10% of the total contract amount within 10 days of the award.

- The guarantee will be forfeited if the contractor fails to complete the work as per agreement.
- A progress report must be submitted to PCRWR.

12. Work Completion & Penalty

- Work must be completed within 15 days from the issuance of the work order.
- A penalty of 0.1% per day will apply for delays.
- If the work is not completed within an additional 10 days, the contract may be canceled, and Earnest Money forfeited.

13. Compliance & Documentation

- The project shall comply with all safety and environmental regulations.
- The successful bidder must provide as-built drawings, warranties, and operation manuals.
- The bidder must ensure all imported components meet international quality standards.

Certificate

(Must be provided on stamp paper)

1. M/S _____
to have read carefully the description of stores and all the terms and conditions of your tender the due for opening on _____ for supply/installation of material in Cholistan Desert District Bahawalpur. We agree to abide by all instructions and conditions as laid down in tender documents.
- 2 We understand that you are not bound to accept a lowest or any bid you may receive, not to justify for rejection **of any bid and that** you will not defray any expenses incurred by us in bidding.
- 3 We understand that Purchasing Agency is not bound to issue supply order of all items or any item keeping in view the budget available with it.
- 4 We undertake, if our proposal is accepted, to provide the Goods mentioned in the contract within time frame specified, starting from the date of receipt of notification of award from the client Department / Office
5. It is declared that we are not suspended; black listed/defaulters of any Government/Autonomous Institution at any time.
6. In case of violation of any term and conditions, our security/call deposit may be forfeited which we shall not challenge in any Court of Law.
7. We also hereby categorically confirm that the stores offered by us are exactly of the same particulars and specifications as laid down in your tender enquiry in all respects.
8. Certified that the prices quoted vide this Tender are not more than the prices charged from any other Purchasing Agency in the country or Prevailing Market Rates and in case of any discrepancy, the Tenderer hereby undertakes to refund the price charged in excess.
9. We accept that if the required bid security is not furnished or our offer is found lacking in any of the requirements of your tender document, tender shall be rejected.
10. We hereby confirm to adhere to the delivery period required in the Tender document which would be the essence of the contract and which will be strictly adhered to by us. Certified that tenderer will be liable to supply items as per the specifications of the purchasing agency, if **the same** is found to be **substandard and /** or at variance with the specification given in the Tender Enquiry. In case of SIMILAR specifications offered is at variance with the specification given in the Tender document, the tenderers must clearly identify variations in their offer. Store offered, of specifications superior to the one specified in the Tender document shall, however, be acceptable. The delivery period is essence of the contract if the contractor fails to adhere to the delivery schedule & intends to seek extension thereof, it will be the sole discretion of the purchaser either to grant or refuse extension in delivery period.

Name: _____ Authorized Signature

Firm: _____ (Authorized official Stamp)

Address and Contact No:
