

F. No. 1-1/ ALP-NR-356/ WAWMI/ 2025-26
PARC - Southern Zone Agricultural Research Center
Administration & General Services
Procurement Section



INFORMATION AND INSTRUCTIONS FOR THE BIDDERS FOR PARTICIPATION IN

ALP Tender Notice # 01, PARC-WAWMI, Tandojam

F.Y: 2025-26

Purchase of Research/ Lab Equipment, Solar Powered Pumping System with Backup, Office Equipment & Office Furniture under ALP project (RWH-NR-356) titled on “Appraisal and Adoption of Efficient Rainwater Harvesting Techniques for Effective Soil and Water Conservation and Use in Khirthar National Range” Executed at PARC-Water & Agricultural Waste Management Institute, Tandojam.

Due Date: 1100 Hours, Thursday, 12 March, 2026
Opening Date & Time: 1130 Hours Thursday, 12 March, 2026

Superintendent (Procurement)
PARC-Southern Zone Agricultural Research Centre
Old Block 9&10, Karachi University Campus, Karachi
Phone: 021-99261554, Ext. 125

F. No. 1-1/ ALP-NR-356/ WAWMI/ 2025-26
Pakistan Agricultural Research Council
Southern Zone Agricultural Research Center
Administration & General Services
Procurement Section

TENDER NOTICE

PARC - Southern Zone Agricultural Research Center, Karachi invites electronic bids (Single Stage-Two Envelope) for Research/ Lab Equipment, Solar Powered Pumping System with Backup, Office Equipment and Office Furniture through E-PADS from the reputed firms registered with Income Tax, Sales Tax Department & PPRA E-PADS under ALP Project (RWH-NR-356) titled, **“Appraisal and Adoption of Efficient Rainwater Harvesting Techniques for Effective Soil and Water Conservation and Use in Khirthar National Range”** being executed at PARC-Water and Agricultural Waste Management Institute, Tandojam as per detail given as under.

S. #	Description	Items	Quantity
01	Research/ Lab Equipment	6	12
02	Solar Powered Pumping with Backup System for Office	Variable	01
03	Computer & Office Equipment	03	01
04	Office Furniture	07	15

02- The detailed requirement and specifications of items along-with terms & condition are mentioned in the tender document which can be downloaded from www.ppra.gov.pk and www.eprocure.gov.pk.

03- The interested firms may submit their electronic/ online bids (Technical and Financial separately) using E-PADS portal. Each bid must be accompanied by a fixed amount of Rs. 80,000/= as bid security in shape of bank draft or pay order in favour of the Director General, Southern Zone Agricultural Research Centre, Karachi and submitted to this office on or before 11:00 Hours on 12-03-2026. The tenders will be opened on the same day through EPADS in the committee room of D.G Office, PARC-SARC in presence of the bidders or their representative at 11:30 Hours.

04- All applicable Govt. taxes are sole responsibility of the firm/ bidder. PARC reserves the right to reject any or all bid proposals or may cancel the tender at any stage. However, PARC shall upon request, communicate to any supplier/ contractor who submitted a bid or proposal, the grounds for its rejection but is not liable to justify those grounds.

05- This tender notice can also be browsed at PPRA/ PARC websites i.e. www.ppra.gov.pk & www.parc.gov.pk.

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Technical BID FORM

RESEARCH/ LAB EQUIPMENT

S.N.	NAME OF ITEM	QTY.	TECHNICAL SPECIFICATIONS/ DETAILS
1.	Automatic Weather Station Model: AW006 or Equivalent	01	1. Color Display 2. Touch Keys 3. WIFI Module 4. Auto Uploading Data to Net Server 5. Get Time from Net 6. Warranty
2.	GPS Garmin or Equivalent	01	1. Sunlight-Readable Display 2. Multi-Satellite Support 3. Compass & Altimeter 4. Rugged & Weather-Resistant Build 5. Long Battery Life 6. Offline Maps & Waypoints 7. Memory & Expandability 8. Wireless Sharing of Waypoints/Routes with Other Devices 9. Geocaching Support (Loads Caches from GPX Files) Bluetooth/ANT+ for Pairing Sensors or Apps
3.	Soil Sampling Kit	01	1. Sampling Tools (Auger/Probe) 2. Depth Capability up to 1 Meter 3. Sample Containers/Bags 4. Extension Rods 5. T-Handle or Grip 6. Carry Case 7. Durable Build 8. Field Accessories – Labels, Markers, and Simple Field Tools (Spade/Trowel) for Easy Sampling
4.	Water Level Indicator	01	1. Accurate Level Measurement (Digital or Bar Graph) 2. Alarm for High/Low Level 3. Automatic Pump Control 4. Long Sensor Life (Waterproof/Durable) 5. Simple Installation 6. Temperature Reading
5.	Soil Moisture Sensor Automatic/ Aerometer	03	1. 0–100 % Moisture Range 2. Waterproof (IP68) & Corrosion-Resistant Probes 3. Precise Moisture Readings ($\pm 3 - 5$ %) 4. RS485 or Wireless Output 5. Automatic Irrigation Control Support 6. Temperature / pH / EC Support

6.	Soil Moisture Sensor Rod Type	05	<ol style="list-style-type: none">1. Rod/Probe Design2. Capacitive Sensing3. Operating Voltage: ~3.3 – 5 V DC4. Analog Output5. Simple Interface – 2–3 Wire Connection (Power, Ground, Signal)
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SOLAR POWERED PUMPING & OFFICE BACKUP SYSTEM

S.N.	NAME OF ITEM	QTY.	TECHNICAL SPECIFICATIONS/ DETAILS
1.	<p>Solar Powered Pumping System with Installation</p> <p><i>Note: Due to the unavailability of electric power, the solar system will be installed to pump out to support the HEIS irrigation system.</i></p> <p>Attention: <i>Only firms registered with AEDB may apply.</i></p>	01	<p>Solar Panel: Solar Panel 08 Nos., Total 4.6 KW, Grade-A, Tier 1 Solar Panels, 585 Watt each, Jinko N-Type Solar or equivalent, 30 years performance warranty</p> <p>VFD 5/7.5 KW Inverter III- Phase (Original VFD):</p> <ul style="list-style-type: none"> • Variety of maximum frequency setting source options. • 16-steps simple PLC, multi speed control, and PID control • Three control modes: without PG vector (SVC), V/F control, and torque control • Starting torque: without PG, vector control. 0.5 Hz/150% (SVC) • 1-year standard warranty • 01 No. <p>Structure:</p> <ul style="list-style-type: none"> • Customize Elevated Pipe Structural Frame treated with coatings of Red Oxide and Paint, along with provision of robust Civil Pads • 08 Nos. <p>Balance of System:</p> <ul style="list-style-type: none"> • 04 mm DC Pakistan Cables or equivalent • 06 mm AC Fast Cables or equivalent • Premium Quality AC & DC Circuit Breakers • Best Electric Panels (Bus Bar Panel, PVC Piping, Ducting, Fitting & Misc. Items) <p>Water Pump:</p> <ul style="list-style-type: none"> • 01 HP Golden Monoblock pump or equivalent • 01 No. <p>Installation & Commissioning: Standard Installation, Commissioning & Monitoring</p> <p>Transportation: Transportation & Labor</p>
2.	<p>Solar Powered Backup for Office (Inverter, wires, fans and allied accessories with installation)</p>	01	<p>Hybrid Inverter:</p> <ul style="list-style-type: none"> • 5kW Hybrid Inverter with IP-65 Rating and 5 years warranty to support office power backup. <p>AC/DC Fans:</p> <ul style="list-style-type: none"> • 3 AC/DC Fans of any renowned brands with standard warranty. <p>System must support backup for at least 3 PCs and 10 LED lights.</p>
3.	Battery	01	5kW, 48V, 200Ah Lithium Iron Phosphate Battery of any renowned brand with 5 years warranty

OFFICE EQUIPMENT

S.N.	NAME OF ITEM	QTY.	TECHNICAL SPECIFICATIONS/ DETAILS
1.	Laptop	01	<ul style="list-style-type: none">• Core i5, 13th Generation or Equivalent• 8 GB RAM• 512 GB NVMe• 15.6 LED Display• Window 11 Pro with License• Accessories & Bag• One-Year Local Standard Warranty
2.	Desktop Computer	01	<ul style="list-style-type: none">• Core i5, 13th Generation or Equivalent• 8 GB RAM• 512 GB SSD• LED Display 22”• Window 11 Pro with License• Keyboard & Mouse• One-Year Standard Warranty
3.	Printer	01	<ul style="list-style-type: none">• HP LaserJet Black (3 in 1) or Equivalent• Latest Model with Print Speed up to 30 ppm• 600 x 600 Resolution• Full Duplex• Wireless and Mobile Printing• Wi-Fi• One-Year Warranty

OFFICE FURNITURE

S.N.	NAME OF ITEM	QTY.	TECHNICAL SPECIFICATIONS/ DETAILS
1.	Executive Office Chair for P.I	01	<p>Dual-Backrest ("Kidney-Shaped") Chair</p> <ul style="list-style-type: none"> • Material: Premium material with mesh or padded leatherette backrests with a highly adjustable frame. • Features: <ul style="list-style-type: none"> ○ Independent adjustment of the two backrests to fit body shape. ○ Swivel function, height adjustment, arm rest adjustment and headrests. ○ Enhanced air circulation. • Dimension: <ul style="list-style-type: none"> ○ Overall, Height: 45 to 55 inches ○ Seat Height (adjustable): 16 to 22 inches ○ Seat Width: 19 to 24 inches ○ Seat Depth: 18 to 22 inches ○ Backrest Height: 24 to 30 inches ○ Base Width: 27.5 inches
2.	Executive Office Table for P.I	01	<ul style="list-style-type: none"> • Material: L-shaped table made with high-end materials like Sheesham wood veneer with polish or MDF with machine-pasted PVC. • Dimensions: L=6 x W=3 x H=2.5 feet • Side Table Dimension: L=5 x D=1.5 x H=2 feet • Storage: 3 standard drawers, 1 file cabinet, 1 open rack
3.	Office Almirah	02	<ul style="list-style-type: none"> • Material: High-grade cold-rolled steel with anti-rust, powder-coated finish. • Structure: Standard 6ft height, 3ft width, and 18-20-inch depth with 2 doors. • Storage Configuration: Multiple adjustable shelves, 1 or 2 small lockable inner lockers for secure documents. • Security: Multi-point locking mechanism, 3-point locking system, or dual-key system. • Design Options: Solid steel doors for maximum security. • Dimensions: H=6 x W=3 x D=1.5 feet • Weight Gauge: 0.6 mm to 1.2 mm
4.	Office Chair	05	<ul style="list-style-type: none"> • Product Dimensions: H=36 x W=22 x D=20 (inch) • Back Style: Breathable Black Mesh • Seat Depth: 20-inch • Seat Width: 19-inch • Seat Height: 18-inch • Material: Mesh Net Back and Foam in Seat • Frame Material: Plastic • Base Material: Metal • Arm Set: Fiber Plastic
5.	Office Table	01	<ul style="list-style-type: none"> • Size: 48"-60" width × 24"-30" depth • Height: 28"-30"

			<ul style="list-style-type: none"> • Material: Scratch-resistant melamine (MFC) or Laminate with 2mm PVC edge banding • Legs: Powder-coated steel frames for stability. • Wire Management: Built-in grommet holes or flip-top socket. • Storage: Integrated locking pedestals (drawers) for security.
6.	Officer Chair for Co. PI and Other Officers	04	<ul style="list-style-type: none"> • Product Dimensions: H=50 x W=25 x D=25 (inch) • Back Style: Breathable Black Mesh • Special Feature: Adjustable Lumbar, Rolling, Swivel, Head Support • Seat Depth: 19-inch • Seat Width: 19-inch • Material: Mesh Net Back and Foam in Seat • Frame Material: Plastic • Base Material: Metal
7.	Officer Table for Co. PI	01	<ul style="list-style-type: none"> • Material: High-quality MDF lamination wood or Sheesham ply, with durable metal frames or solid wood polish finishes. • Storage: A mobile pedestal with 3 channelled drawers. • Dimensions: L=5 x W=2.5 x H=2.5 feet

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Financial BID FORM

RESEARCH/ LAB EQUIPMENT

S.N.	NAME OF ITEM	QTY.	QUOTED BID WITH GST/ TAXES (Rs.)
1.	Automatic Weather Station Model: AW006 or Equivalent	01	
2.	GPS Garmin or Equivalent	01	
3.	Soil Sampling Kit	01	
4.	Water Level Indicator	01	
5.	Soil Moisture Sensor Automatic/ Aerometer	03	
6.	Soil Moisture Sensor Rod Type	05	

SOLAR POWERED PUMPING & OFFICE BACKUP SYSTEM

S.N.	NAME OF ITEM	QTY.	QUOTED BID WITH GST/ TAXES (Rs.)
1.	Solar Powered Pumping System with Installation	01	
2.	Solar Powered Backup for Office (Inverter, wires and allied accessories with installation)	01	
3.	Battery	01	

OFFICE EQUIPMENT

S.N.	NAME OF ITEM	QTY.	QUOTED BID WITH GST/ TAXES (Rs.)
1.	Laptop	01	
2.	Desktop Computer	01	
3.	Printer	01	

OFFICE FURNITURE

S.N.	NAME OF ITEM	QTY.	QUOTED BID WITH GST/ TAXES (Rs.)
1.	Executive Office Chair for P.I	01	
2.	Executive Office Table for P.I	01	
3.	Office Almirah	02	
4.	Office Chair	05	
5.	Office Table	01	
6.	Officer Chair for Co. PI and Other Officers	04	
7.	Officer Table for Co. PI	01	

Note: This is only a sample and not to use it. Submit your bid on your company letter pad.

Summary of Bid

Agreed upon the following.

1. Bid validity up to 30-06-2026 or as may be deemed appropriate by PARC-SARC Karachi /P.I ALP (RWH-NR-356).
2. Warranty period/ after sale service/ backup support/ maintenance for not less than ONE year.
3. Bid security of Rs. 80,000/= through CDR/Pay Order/D.D No. _____ date _____
Bank Name/Account _____
4. Quoted Bid Amount Rs. _____
5. Total GST% Rs. _____
6. Net Bid Amount Rs. _____

Name/ Signature with Stamp of Firm/Company

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TERMS AND CONDITIONS

Title

Procurement of Research/ Lab Equipment, Solar Powered Pumping System with Backup, Office Equipment and Office Furniture under ALP Project (RWH-NR-356) titled, ***“Appraisal and Adoption of Efficient Rainwater Harvesting Techniques for Effective Soil and Water Conservation and Use in Khirthar National Range”*** Executed at PARC-Water & Agricultural Waste Management Institute, Tandojam in financial year 2025-26.

Instructions to Bidders

1. PARC-Southern Zone Agricultural Research Centre (SARC) Karachi as per relevant rules, regulations and Govt. policies, invites Electronic Bids to procure Research/ Lab Equipment, Solar Powered Pumping System with Backup for Office, Office Equipment and Office Furniture for PARC-WAWMI Tandojam under ALP project (RWH-NR-356) titled on ***“Appraisal and Adoption of Efficient Rainwater Harvesting Techniques for Effective Soil and Water Conservation and Use in Khirthar National Range”*** in financial year 2025-26, from the companies/ firms registered with GST/ Income Tax Department (Active Taxpayers) as per technical specifications/ details given in this tender document.
2. The companies/ firms participating in the said tender should be registered with GST/ Income Tax, NTN Department and fulfil the prescribed terms & conditions mentioned in this tender document and tender notice. The payment of applicable GST/other taxes shall be the responsibility of the company/ firm concerned. The quoted price will remain valid up to 30-06-2026 or up to the further period deemed appropriate by PARC-SARC Karachi under which the supply/ delivery is to be completed by the successful firm or within period specified in the purchase order.
3. The payment to the concerned firm will be made from the budget of ALP Project (RWH-NR-356) for F.Y 2025-26, subject to inspection/ acceptance of the supply by the end users/ Inspection Committee. The delivery should be completed within the scheduled time mentioned in the purchase order. Partial payment will not be allowed/ accepted. Any delay under exceptional circumstances will be subject to acceptance by PARC-SARC.
4. If the company/ firm makes delays and is unable to complete the delivery within the stipulated period, **0.2%** will be charged per day and the amount will be deducted/ claimed on the total billed amount if deemed appropriate in public interest. The firms must submit complete literature/ detail of supplied item(s) along with offer/ bid.
5. A bid security of fixed amount of Rs. 80,000/= in shape of Bank Draft (CDR) or Pay Order through Bank, in favor of Director General, Southern Zone Agricultural Research Center, should be enclosed with financial bid otherwise bid without bid security will not be accepted/ entertained. The conditional bids or any quotation/ bid received after expiry of time given in the tender notice will not be accepted/ entertained. The price of each item should be quoted in PKR with GST/ Tax (wherever applicable) otherwise incomplete bid will not be entertained and will be at the discretion of the Tender Committee and P.I/ Competent Authority, PARC-SARC, Karachi. The supply to be made is subject to the deduction of income tax unless an exemption certificate is provided from the income tax department.

6. PARC-SARC reserves the rights to reject all or any bid/ proposal as per provision given in PPRA rules. The successful bidders will supply the items at PARC-WAWMI, Tandojam.

7. Firms interested in bid participation for the Solar Powered Pumping System with Backup must possess valid registration with the Alternative Energy Development Board (AEDB).

8. Interested firms are requested to submit their bids containing the following information duly supported by necessary documents.

a)	Full name, current address of the registered office along with telephone, fax numbers, email and postal address for official correspondence and visit by the procuring agency in the matter if deem necessary. The location of head office and branches in case of other cities in Pakistan along with address, phone and fax numbers etc. web address and e-mail address etc. may be given.
b)	Details for such supply of item(s) already done/ accomplished during the last 02 years may be provided with the names of departments providing copies of purchase orders etc.
c)	Authorization certificate from the instrument manufacturing or dealing company may be required by end user if any firm has valid authorization.
d)	Attested photocopy of Computerized National Identity card of proprietor.
e)	Current financial position/ statements along with duly verified bank statement for the last three months to see the soundness of the firm.
f)	NTN registration/ GST / income tax certificates (ATL).
g)	Firm's profile along with a reflection of strength and capacity to extend after sales and technical services.
h)	An affidavit on stamp paper is required that the firm has never been blacklisted nor involved in any litigation/ legal inquiry with any private/ public department/ procuring agency.
i)	The procurement shall be made as per PPRA Rules. Warranty, after-sales service and maintenance of supplied item(s) must be for at least one year from the date of delivery. The bid amount/ security money of a successful firm shall be retained by PARC till the completion of supply and issuance of a satisfactory report from the end-user/ Inspection Committee as may be deemed necessary by PARC-SARC.
j)	Any fake/ false information or document or statement if found at any stage or during the process of tender will be dealt with in accordance with the terms & conditions and provisions of the PPRA rules.

Bid Evaluation Criteria (Rule 36b of PPRA Rules 2004)

The bids shall be evaluated on the basis of technical specifications and financial proposals described as under:

- i) The "Technical Proposals" will be opened first by the Tender Evaluation & Opening Committee in the presence of all bidders or their nominated representatives on tender opening date.
- ii) The "Financial Proposals" will be opened only of those firms whose bids are found technically responsive/ qualified and those fulfill the prescribed condition(s). The tender evaluation process will openly/ publicly be announced in the presence of bidders.
- iii) After technical assessment, the financial proposals of technically responsive bidders if deem necessary by procuring agency will be opened after the technical evaluation/ completion of comparative statement. Thus, the date and time considered appropriate will be communicated subsequently to all such responsive/ qualified firms.
- iv) The Tender Opening and Evaluation Committee/ procuring agency shall make recommendations in the form of comparative statements both for technical and financial duly signed by members of the committee for award of purchase order.

- v) Any other condition/ instruction as may be deemed necessary and enforced by PARC-SARC Karachi/ P.I (ALP-NR-356).

UNDERTAKING

I/ We hereby agree to abide by and fulfill all the terms and conditions of this tender document.

NAME AND ADDRESS OF THE FIRM: _____

OFFICIAL SEAL/ STAMP: _____

NAME & SIGNATURE OF AUTHORIZED REPRESENTATIVE: _____