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No. I&P/Spares/GLOF/26-27
Government of Pakistan
Ministry of **Defence**
PAKISTAN METEOROLOGICAL DEPARTMENT
(Indent and Purchase Section)
Sector H-8/2, Post Box No. 1214,**Islamabad,Pakistan**
URL: http://www.pmd.gov.pk/

REQUEST FOR PROPOSALS (RFP)

Pakistan Meteorological Department (PMD) invites Technical Proposals from pre-qualified bidders for **"Repair and Replacement of Parts for Glacial Lake Outburst Flood Early Warning System (GLOF EWS)"**.

Terms & Conditions:

1. Bid Security 04 million, in shape of Bank Draft, Pay Order, in favor of D.G. PMD must be submitted.
2. Incomplete or late received offer will not be considered, closing date and time of Bid is 07th December, 2026 at 1030PST and opening date and time is 07th December, 2026 at 1100PST.
3. The relevant documents may be obtained from the websites i.e. https://weather.gov.pk, PPRA EPADS https://pa.epads.gov.pk as well as https://epms.ppra.gov.pk.
4. Competent Authority reserves the right to reject or accept any or all the tenders without assigning any reason under PPRA Rule.
5. The successful bidders will furnish performance guarantee in the shape of CDR/Pay Order/Bank Draft @ 10% of his work order in favour of D.G. PMD during the warranty period.

***Note:** All Firms are directed to quote their Bids online through PPRA E-PADS 2.0 as well as original Bids must be submitted in hard forms to I&P Section, PMD Headquarters office, Islamabad*

(Muhammad Hussam khan)
Deputy Chief Administrative Officer
Pakistan Meteorological Department
H-8/2, Islamabad
Ph. 051-9250286

REQUEST FOR PROPOSAL

Repair and Replacement of Parts for Glacial Lake Outburst Flood Early Warning System (GLOF EWS)

Pakistan Meteorological Department

Sector H-8/2,

Islamabad

SPECIFICATION DOCUMENT

Repair and Replacement of Parts for Glacial Lake Outburst Flood Early Warning System (GLOF EWS)

1. Title of Procurement

Repair and replacement of parts for hydro-meteorological equipment installed for Glacial Lake Outburst Flood Early Warning System (GLOF EWS) in Gilgit-Baltistan (G-B) and Khyber Pakhtunkhwa (KP).

2. Introduction

The United Nations Development Programme (UNDP) successfully implemented and completed the Glacial Lake Outburst Flood Risk Reduction Project (GLOF-II). A network of hydro-meteorological equipment installed to establish and support the GLOF Early Warning System in the glaciated regions of Gilgit-Baltistan (G-B) and Khyber Pakhtunkhwa (KP).

The ownership, operation, management, and maintenance responsibilities for the installed hydro-meteorological equipment were transferred to the Pakistan Meteorological Department (PMD) to ensure long-term sustainability and continued operation of EWS. The availability of compatible and technical compliant parts is essential for maintaining the operational integrity, reliability, and longevity of EWS network established in the targeted valleys of G-B and KP. Accordingly, PMD intends to repair/ replace the required parts to ensure timely maintenance and uninterrupted functionality of these installed systems, particularly during flood and monsoon season.

3. Scope of Work / Technical Specifications

The firm shall demonstrate, to the satisfaction of the Pakistan Meteorological Department, that the offered equipment, parts, and associated data acquisition components are fully compatible with the existing Glacial Lake Outburst Flood Early Warning System (GLOF-EWS) installed in Gilgit-Baltistan and Khyber Pakhtunkhwa.
Failure to successfully complete the technical compatibility demonstration (wherever required) shall result in rejection of the RFP.

The successful firm/s shall supply and deliver genuine, unused parts and equipment for the hydro-meteorological systems installed for GLOF EWS during repair and replacement of AWSs.

The firm/s shall be responsible for ensuring the exact specifications of the offered parts and demonstration with the existing installed equipment (wherever required) as per specifications mentioned in the document.

Note: PMD reserves the right to reduce or increase the quantity of items.

4. Technical Specifications

Item	Item	Specification	Network Interface	Sensor connectivity/ Protocol	Power Supply & Battery Charger	Qty.
1	Data Logger (Series: Compact) with Capacitive touch screen	**Compact:** Processor:528MHz ARM Cortex A7 MP Core CPU RAM: 512MB with Operating Temp Range: -40ºC to 70ºC	Ethernet, Wifi, Bluetooth	6 x RS232/RS485/SDI-12; 2 x USB; 2 x Digital input/Output, 01 micro-SD	Operating voltage: 10–16 V DC (12 V nominal), Built-in solar charge controller suitable for a 12 V sealed lead-acid battery, Solar input: supports a PV panel of at least 100 W	30
2	Data Logger (Series: Compact Plus) with Capacitive touch screen	**Compact:** Processor:528MHz ARM Cortex A7 MP Core CPU RAM: 512MB **Plus:** Processor:168MHz ARM Cortex M4 CPU Operating Temp Range: -40ºC to 70ºC	Ethernet, Wifi, Bluetooth	9 x RS232/RS485/SDI-12; 2 x USB; 2 x Digital input/ Output, 01 micro-SD; 20 x Analog input (4 x PT100); 2 x Analog output;8 x Digital input; 8 x Digital output	Operating voltage: 10–16 V DC (12 V nominal), Built-in solar charge controller suitable for a 12 V sealed lead-acid battery, Solar input: supports a PV panel of at least 100 W	6

Mandatory Requirements:

- Data logger may be same or updated/ higher version with backward compatibility (In case of updated firmware/ Software of data logger, Demonstration is mandatory) .
- Authorization letter from the firm is must.
- The Logger must be compatible with Hughes 9502 modem for satellite communication.
- The logger must be compatible with PMD's existing central server and software (Aegis).
- Remote configuration software/ platform (on no cost basis) with remote firmware updates, and remote alarms settings based on threshold values of meteorological parameters.

5. Service Requirements

The bidder shall comply with the following requirements:

a. Item-by-Item Statement

The bidder shall submit a detailed, item-by-item statement against all technical specifications provided in this document. The statement shall clearly indicate whether the offered item **complies with, exceeds, or deviates from** each specified requirement.

Any deviation, exception, or alternative specification shall be clearly identified and fully explained.

b. Calibration Certificates

All applicable instruments shall be supplied with valid factory calibration certificates. Where applicable, calibration shall be traceable to relevant **ISO / WMO** standard.

c. Technical Documentation

The technical bid shall include complete and authentic technical documentation for each offered item, including, where applicable:

- Manufacturer's technical datasheet;
- Operation and maintenance manual;
- Installation and configuration manual;
- Wiring and pinout diagrams;
- Communication protocol details;
- Power supply requirements; and
- Any other documentation necessary for integration with the existing EWS infrastructure.

d. Warranty

All supplied items shall carry a minimum comprehensive warranty of **twelve (12) months from the date of acceptance** against manufacturing defects, material defects, workmanship defects, and abnormal measurement deviations attributable to the supplied equipment.

The supplier shall repair or replace defective items, at no additional cost to PMD, during the warranty period.

6. Delivery

a. All equipment and parts shall undergo appropriate factory testing and quality checks prior to dispatch.
b. The supplier shall provide evidence of factory testing and inspection, where applicable, along with the shipment.
c. Upon delivery, the supplied items shall be subject to inspection and verification by PMD.
d. Post-delivery inspection and functional testing may be conducted at designated PMD facilities or station locations to verify compliance with the approved technical specifications.
e. Any item found defective, damaged, non-genuine shall be replaced by the supplier at no additional cost to PMD.
f. The supplier shall ensure that all equipment is suitably packed and protected against damage during transportation, handling, and storage.

7. Validity of Offer

All supplied equipment and parts shall be **new, genuine, unused, and sourced from the Original Equipment Manufacturer (OEM).** Failure to comply with the mandatory technical requirements shall result in the rejection of the bid in accordance with the applicable procurement rules and tender conditions.

8. Technical Evaluation Criteria (Weightage 70%)

Sr. No.	Criteria	Evaluation
	Technical Evaluation	
i.	• It is validly incorporated under the laws of Pakistan (to the extent applicable), registered with relevant government agencies, active tax payer and OEM sole certificate. • The bidder shall demonstrate the claimed equivalence and compatibility practically to the satisfaction of PMD.	Mandatory

	• Standard traceable factory/ ISO/ WMO certificates	
ii.	Demonstration.	50 Marks
	a. Demonstration Compliance (Full) b. No Compliance (partial compliance will be considered as no compliance)	50/50 1/50
iii.	Local firm's experience in providing automatic weather stations in Pakistan in last 5 years	15 Marks
	a. >= 10 (Complete AWS) b. >=5-9 (Complete AWS) c. <5 (Complete AWS)	15/15 7/15 1/15
iv.	Local Technical team with engineering background (CV and Subject to interview based vetting by evaluation committee)	20 Marks
	a. >=5 team of technical person b. >=3 team of technical person c. <3 team members	20/20 10/20 1/20
v.	Customer Feedback in similar projects with tangible proof (contact number of focal person / websites)	15 Marks
	a. Detail of systems delivered with customer feedback =>5 b. Detail of systems delivered with customer feedback =>3 c. Detail of systems delivered with customer feedback =<2	15/15 7/15 1/15
	Total	100 Marks

Passing Marks= (Obtained Marks x 70) / 100. Greater than or equal to >= 49

9. Last Date of RFP:-

RFPs as per the TORs are required by **07-12-2026 till 1030 hrs. PST.** Same shall be opened on **the same day at 1100 hrs**.

Terms & Conditions:

1. **Earnest money/ Bid Security** 04 million rupees in the shape of Bank Draft/Pay order in favour of D.G PMD must be submitted with the offer.
2. Bidders must submit copies of their registration of Sales Tax and Income Tax and authorized dealership certificate.
3. Eligibility Criteria: Participating firm must be, fully experienced and registered with Govt. Authorities (FBR etc.).
4. **BID VALIDITY**: Bids shall remain valid for a period of at least **120 days** after the date of opening of financial proposals.
   In exceptional circumstances, prior to expiry of the original bid validity period, the Buyer may request that the bidders extend the period of validity for a specified additional period. The request and the responses there to shall be made in writing or by electronic mode. A bidder will not be required or permitted to modify its bid, but will be required to extend the validity of its bid security for the period of the extension.
5. All bidders are advised to comply strictly with the document specifications/ terms & conditions and no deviation shall be allowed.
6. **Prices must be quoted in Pak Rupees only including all applicable Govt. of Pakistan taxes & GST**.
7. The last date for the submission of tender is 07th December, 2026 at 10.30 hours and will be opened on the same day at 1100 hours.
8. The quantity of the items can be increased/ decreased.
9. The Procuring Agency reserves the right to cancel the bidding process at any stage without assigning any reason.
10. Taxes will be deducted as per Government rules.
11. Any bid found in deviation / violation / without earnest money would liable to be rejected.

1. Bidding documents having detailed specifications are available free of cost at the website https://weather.gov.pk, PPRA EPADS https://pa.epads.gov.pk as well as https://epms.ppra.gov.pk.