



WADIA INSTITUTE OF HIMALAYAN GEOLOGY,
(An Autonomous Institution of Department of Science & Technology
Government of India)
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DEHRA DUN- 248001 (INDIA)

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OPEN TENDER DOCUMENT

TECHNICAL BID DUE TO OPEN ON 18 January 2021

NO S-2 /195-P (Automatic Water Level Recorder) WIHG/2020-21 /5

Dated: 28-12-2020

Sub: INVITATION OF TENDER

To

Dear Sirs,

We intend to purchase "Automatic Water Level Recorder (Non-Contract/Radar type" as per the details/specifications (Annexure-1). You are requested to submit your sealed tender/quotation/proforma along with compliance statement (Annexure2) and technical literature// Brochure for the same on your own letterhead. **Bid without Compliance statement and Technical literature /Brochure will be summarily rejected.**

Sl. No	Description of Items	Quantity
1	Automatic Water Level Recorder (Non-Contact/Radar type) Specification As Per Annexure-1	03 Nos.

TERMS AND CONDITIONS

- 2 Detailed terms & conditions of supply **MUST** be mentioned in your offer
- 2 Two years on-site Comprehensive warranty form the date of installation of complete set up of Automatic Water Level Recorder (Non-Contact/Radar type}. The warranty clause on these lines **MUST** be clearly mentioned on both technical and commercial bids. Offers with other warranty clauses will not be considered. After sales service facilities in India should also be available. Details of warranty/guarantee and the after-sales service facilities available in India must be specifically mentioned in your offer, failing which the offer is liable to be rejected.
3. The sealed tenders/quotations/offers are to be submitted in **two parts** as under:-
The technical and commercial bids should be submitted on your own letterhead in separate Sealed envelopes. **Your technical bid should be submitted in one of the sealed Covers superscribed "Automatic Water Level Recorder (Non-contact/ Radar type) due to open on 18-01-2021 the other sealed envelope should contain your commercial bid and should be super scribed Commercial offer for "Automatic Water Level Recorder (Non-contact/ Radar type) Both these sealed envelopes should be submitted in a third sealed cover Superscribed "Automatic Water Level Recorder (Non-contact/ Radar type) "due to open on 18-01-2021**

Continued on page 2

The undermentioned documents/details MUST be submitted with your technical offer:-

- a) Relevant technical literature
- b) Details of training and after-sales-service facilities available.
- c) Details of warranty (elaborative as per term No. '2).
- e) Details of users and copies of the user certificates of the proposed model/make of **(Automatic Water Level Recorder (Non-Contact/Radar type))**

f) Details of para wise /item wise compliance statement. **(As per Annexure-2)**

4 For indigenous supply, rates MUST be for delivery on F.O.R WIHG. Dehra Dun basis. Only GST@ 5%, as applicable, will be paid extra by us (Against Certificate issued by the head of the institution). You may take note of Govt Notification No 47/2017 Integrated Tax (rate) dated 14th November, 2017.

5 **Earnest Money Deposit:**

(i) **For Indigenous Original Equipment Manufacturer or Their Authorized Dealer -:** Notwithstanding anything contained in rule 171 of GFRs 2017 or any other Rule or any provision contained in Procurement Manuals, no provision regarding bid security is being kept with this bid document. However, the bidders are required to submit Bid Security Declaration as notified by Procurement policy, Department of Expenditure, Ministry of Finance, Government of India vide there Office Memorandum no. F.9/4/2020-PPO dated 12-11-2020. **(A copy of the format is enclosed as annexure-3)**

(iii) **For Overseas Original Equipment Manufacturer or Their Authorized Dealer-:** The bid should be accompanied by FDR /Bank Guarantee towards earnest money for an amount of Rs 60,000.00 (Rupees Sixty Thousand Only) or its equivalent foreign currency. **The EMD MUST be submitted with the Technical bid in the shape FDR/Bank Guarantee in the name of the Director, Wadia Institute of Himalayan Geology, Dehra Dun (India),** failing which the offer will not be considered. The Bank Guarantee shall remain in force up to and including forty five (45) days after the bid validity.

6 Being a Research & Development Institution, we are exempted from payment of excise duty and are entitled for payment of basic custom duty on concessional rates. Therefore, Suppliers are advised to quote their rates accordingly.

7. For Indigenous supply: 100% Payment will be made after receipt, installation and acceptance of supply.

8. 100% payment to overseas suppliers will be made by us through wire/Telegraphic Transfer. However, 80% payment will be released on receipt of consignment and the balance 20% Payment will be released after satisfactory installation/commissioning, acceptance of supply.

9. Commercial offer from overseas manufacturers/suppliers MUST be submitted on the Following lines and must be for supply on f.o.b. basis:

- (a) Ex-works cost.
- (b) (-) Less Indian Agent's Commission, if any, payable in Indian currency after satisfactory Installation and acceptance of supply.
- (c) Net ex-works cost.
- (d) f.o.b. charges up to international airport of dispatch in supplier's country
- (e) Net f.o.b. cost

10. Delivery period required by you MUST be clearly mentioned in your offer.

11 Your offer MUST be valid for a minimum period of **one hundred twenty days** from the date of opening of technical bids and validity period MUST be mentioned in your offer. Air-freight charges on imported consignment will be paid by us in India in Indian currency. Insurance of the imported consignment will also be arranged by us in India.

12. Your offer MUST reach us by 13.00 hrs. on **18-01--2021** in your own interest, the tenderers must ensure that their tender reaches us in time. Tender will be opened at 15.00 hrs. on the same day. Late tenders or delayed tenders will not be considered. In case the due date happens to be a closed day because of any of the reasons, tenders will be opened at 3 p.m. the next working day.
13. In case Indian Agents submit offer on behalf of their overseas principals, proper authorization certificate from the principals on their (Principals) letterhead MUST be submitted in original with the technical bid, **failing which the offer will not be considered.**
14. Security Deposit: - Before placement of necessary Purchase Order, the successful tenderer will have to submit security deposit @3% of order value in the shape of a Fixed Deposit Receipt/Bank Guarantee that shall be valid till completion of warranty period.
15. Risk Purchase Clause: - If the supplier fails to supply the goods in correct quality and quantity within the stipulated delivery period, liquidated damages @1% per week for a maximum period of ten weeks will be deducted from the balance payment of the supplier. If the ordered materials are not supplied even after the delay of said period of ten weeks, termination/cancellation of the order will be considered and in such a situation, the purchaser will have the right to forfeit the security deposit of the tenderer and procure the material(s) or services from elsewhere upon such terms and in such manner as it deems appropriate and the supplier shall be liable to pay the purchaser for any excess costs for such similar goods or services.
16. Résolution of Disputes: All désagréments, disputes, différence that may arise Between The Wadia Institute of Himalayan Géology and your firm/agency which cannot be resolved through mutual négociations shall be referred to an Arbitrator appointed in Accordance with the provisions of relevant Indian or International Law as the case may be. The venue of the proceedings and arbitration shall be Dehradun, INDIA.
17. Amendement(s) in the tender documents required if any, will bé made available in our Web site and accordingly, the prospective bidders are required to keep themselves updated till four days of tender opening.
18. The Director, Wadia Institute of Himalayan Geology, Dehra Dun (India) reserves the right to reject any or all tender in public interest without assigning reasons thereof.

Yours faithfully,



(MK Biswas)

Store & Purchase Officer, for Director

1. **Automatic Water Level Recorder (Non-contact/ Radar type)** with following specifications:
- Automatic Water level recorder should be capable of measurements over turbulent mountain streams using non-contact transmission (Radar Type).
 - It should have a digital data acquisition and storage facility with data logger (SDI-12 compliant) for approximately 50,000 continuous data points or more. Sampling frequency of data logger should be optional (15 min, 30 min, 1 hr) and programmable. Should be capable of connecting with V-SAT data transfer facility.
 - Analog to digital conversion 13 bit resolution or better on higher bit resolution. It should have 4 to 6 input analog channels and 4 to 6 digital output channels, with the capability to incorporate more sensors at a later stage.
 - It should include sensor-data logger communication with insulated wires of at least 10 m.
 - It should have a built in LCD screen (3" or bigger) or external display device like laptop/tablet with necessary software to check the data, including serial port (RS-232) for data retrieval, maintenance and setup for real time data monitoring and configuration; preferably operated on Windows platform.
 - The data acquisition software should be capable of multiple views like graphical, text, excel/spreadsheet, etc.
 - **Measuring height range:** 0.5 to 20 m or better.
 - **Accuracy:** ± 5 mm or better over the complete measuring range.
 - **Operating temperature:** -40 to +45 °C or better.
 - **Operating Humidity:** 0 to 100 %
 - **Frequency range:** ~ 24 GHz or better on higher end (e.g. 26 GHz is better)
 - **Beam angle:** 4° or better up to 12° on higher end
 - **Power supply:** Battery pack & Solar panels with sufficient backup to operate continuously in cold remote environments throughout the year. 50 Watts of solar panel and 65 AH battery with enclosure for weather protection or higher.
 - **Surge Protection:** Short circuit and over load protections.
 - It should include mounting enclosures (NEMA 4X, IP 65/66) for field installation (Sensor and Data logger) and all required accessories for mounting the sensor (on a bridge or with cantilever preferably using GI Pipe) at high altitude remote locations.
 - Scope of the supply should include installation (including any masonry work if required), commissioning and demonstration at field sites. Installation sites are remotely assessed in Himalayan region about 15-30 km from the road head. Firms with prior experience in maintaining high altitude stations in the Himalaya will be preferred.
 - Operating manual should be provided with the installation guidelines and it should contain all wiring diagrams of the system.
 - **Warranty:** 2 years onsite comprehensive warranty
 - Three years onsite **AMC** after the initial warranty period should be quoted separately.



Compliance Statement of Automatic Water Level Recorder (Non-contact/Radar type)

1.	Automatic Water Level Recorder (Non-contact/ Radar type) with following specifications:	Compliance	Remarks
	<ul style="list-style-type: none"> • Automatic Water level recorder should be capable of measurements over turbulent mountain streams using non-contact transmission (Radar Type). • It should have a digital data acquisition and storage facility with data logger (SDI-12 compliant) for approximately 50,000 continuous data points or more. Sampling frequency of data logger should be optional (15 min, 30 min, 1 hr) and programmable. Should be capable of connecting with V-SAT data transfer facility. • Analog to digital conversion 13 bit resolution or better on higher bit resolution. It should have 4 to 6 input analog channels and 4 to 6 digital output channels, with the capability to incorporate more sensors at a later stage. • It should include sensor-data logger communication with insulated wires of at least 10 m. • It should have a built in LCD screen (3" or bigger) or external display device like laptop/tablet with necessary software to check the data, including serial port (RS-232) for data retrieval, maintenance and setup for real time data monitoring and configuration; preferably operated on Windows platform. • The data acquisition software should be capable of multiple views like graphical, text, excel/spreadsheet, etc. • Measuring height range: 0.5 to 20 m or better. • Accuracy: ± 5 mm or better over the complete measuring range. • Operating temperature: -40 to +45 °C or better. • Operating Humidity: 0 to 100 % • Frequency range: ~ 24 GHz or better on higher end (e.g. 26 GHz is better) • Beam angle: 4° or better up to 12° on higher end • Power supply: Battery pack & Solar panels with sufficient backup to operate continuously in cold remote environments throughout the year. 50 Watts of solar panel and 65 AH battery with enclosure for weather protection or higher. • Surge Protection: Short circuit and over load protections. • It should include mounting enclosures (NEMA 4X, IP 65/66) for field installation (Sensor and Data logger) and all required accessories for mounting the sensor (on a bridge or with cantilever preferably using GI Pipe) at high altitude remote locations. • Scope of the supply should include installation (including any masonry work if required), commissioning and demonstration at field sites. Installation sites are remotely assessed in Himalayan region about 15-30 km from the road head. Firms with prior experience in maintaining high altitude stations in the Himalaya will be preferred. • Operating manual should be provided with the installation guidelines and it should contain all wiring diagrams of the system. • Warranty: 2 years onsite comprehensive warranty • Three years onsite AMC after the initial warranty period should be quoted separately. 		

Form of Bid-Securing Declaration

Bid No.:

To

The Director,
Wadia Institute of Himalayan Geology,
Dehradun

We, the undersigned, declare that:

We understand that, according to your conditions, bids must be supported by a Bid-Securing Declaration.

We accept that we will automatically be suspended from being eligible for bidding in any contract with the Wadia institute of Himalayan Geology, if we are in breach of our obligation(s) under the bid conditions, because we:

- a) have withdrawn our Bid during the period of one month bid validity specified in the letter of bid: or
- b) having been notified of the acceptance of our bid by Wadia Institute of Himalayan Geology the during the period of bid validity, (i) fail or refuse to execute the contract, if required, or
(ii) fail or refuse to furnish the Security deposit, in accordance with tender condition

We understand this Bid-Securing Declaration shall expire if we are not the successful Bidder, upon the earlier of (i) our receipt of your notification to us of the name of the successful Bidder: or
(ii) Twenty-eight days after the expiration of our bid.

Signed:

Name:

Duly authorized to sign the bid for and on behalf of:

Date:

