

GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
INDIAN INSTITUTE OF REMOTE SENSING
IIRS

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DEHRADUN
PURCHASE & STORES
INVITATION TO TENDER

Date : 18/07/2014

M/s

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Our Ref No : GIER 2014-000154-01

Tender Due: 15:00 Hrs ISTon 12/08/2014

Dear Sirs,

Please submit your sealed quotation , in the Tender Form enclosed here along with the descriptive catalogues / pamphlets / literature ,superscribed with Our Ref.No. and Due Date for the supply of the following items as per the terms & conditions mentioned in Annexure(Form No:)

S.No.	Description of Items with Specifications	Unit	Quantity
1	Supply & Installation of Snow Precipitation Gauge with Data Logger and Telemetry with Technical Specifications given in Annexure-1	NOS	4

DELIVERY AT: IIRS

MODE OF DESPATCH DOOR DLVRY

DUTY EXEMPTIONS

SPECIAL INSTRUCTIONS NIL

SPECIFIC TERMS



~~V.V. NARAYANAN KUTTY~~
PURS. & STORES OFFICER

For and on behalf of the President of India
The Purchaser

GENERAL TERMS & CONDITIONS:

1. Material should be delivered & installed at IIRS.
2. Payment will be made within 30 days from date of receipt of supply and acceptance of the material for orders value upto Rs. 2.0 lakhs. For order value above 2.0 lakhs, 90% payment within 30 days and 10% against Bank Guarantee for the warranty period.
3. We cannot furnish Form C/D. Please indicate the applicable percentage of Trade tax / VAT in your quotation, if applicable. Otherwise the quoted rate will be considered as inclusive of all taxes.
4. Clearly mention the Make/Brand of the item in your quotation. Please enclosed the Authorization Certificate from the principal of the quoted Make/Model along with the quotation.
5. Also clearly mention the exact delivery period and validity of your offer shall be min. 60 days
6. Compliance Statement of the quoted model may please furnish along with the quotation, without compliceance statement quotations will not be considered

Annexure -1: Technical specifications for Snow Precipitation Sensor/gauge

Sensor: Tipping Bucket Type.

Range: 100mm / hour

Resolution: 0.20mm.

Catchment Area: 200 CM Square

Sensing: Magnet & Reed Switch.

Capacity: Unlimited.

Accuracy: 5% @ 25mm/hr.

Output: Switch closure With Heating System

The snow gauge should have unattended recording of snow amount and should have least maintenance schedule. The snow gauge should have a data logger which has compatibility with GSM/GPRS based telemetry.

GSM/GPRS based Telemetry:

For Wireless data transfer from Data logger to website/server. The terminal (GSM/GPRS Modem) to be provided should be a general purpose intelligent device for various remote monitoring applications. The GSM Modem to be connected to Data Logger for transporting data to the web.

Features of GSM/GPRS Modem

- a) A GSM/GPRS enabled SIM is supposed to be installed in the Terminal. Based on the Operator; the GPRS settings have to be configured in the terminal.
- b) Once a proper SIM card is inserted and the terminal should be switched ON, so that it will register to the GSM/GPRS network using public APN.
- c) The terminal should continuously monitor RS-232 port for messages received from the device connected.
- d) When modem receives a valid command in the RS-232 port it should upload the data to a web server in HTTP protocol.

Optional: INSAT based telemetry for remote locations of snow gauge (quote separately):

- a) Data logger should be compatible with INSAT based satellite telemetry for real time data transfer for remote locations where GSM/CDM/GPRS based telemetry is not feasible.
- b) The INSAT based system should consist of the INSAT Certified Transmitter, a synchronous interface and cable, a test receiver.

Optional: The SWE sensor to be compatible with "Virtual model AWS 6 with GPRS data logger" of Virtual Electronics Company, India ltd.

This instrument is to be delivered at IIRS Dehradun and to be installed at snow bound sites of HP and UK states of India. Give installation cost separately.