

**GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
INDIAN INSTITUTE OF REMOTE SENSING
IIRS
DEHRADUN
PURCHASE & STORES
INVITATION TO TENDER**

Ph No: 0135 - 2524317, 4318
Fax 0135 - 2748041
Email: pns@iirs.gov.in

Date : 19/12/2014

M/s

000000

Our Ref No : GIER 2014-000359-01

Tender Due: 15:00 Hrs IST on 13/01/2015

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 of Solar Radiation Measurement Sensors without Datalogger and on field Installation in existing AWS setup, Solar Radiation Sensor (Pyranometer) without datalogger (Technical Specifications as per annexure enclosed)	NOS.	6
2	Supply of Solar Radiation Measurement Sensors without Datalogger and on field Installation in existing AWS setup, Measure Long Wave Radiation Sensor (Pyrgeometer) without datalogger (Technical Specifications as per annexure enclosed)	NOS	3


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

O/C

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

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INDENTNO 2014000359

DESCRIPTION

RADIATION MEASUREMENT SENSORS

All The Sensors must be compatible with Existing AWS setup and data loggers (The Specification of existing dataloggers is given in Annexure-I)

Supplier must also send the authorization certificate/dealership certificate with the quotation.

The number sensors under each category in final order may vary based on cost and budget availability. Supplier must install and configure the sensors in existing AWS setup. The cost of installation if any may be quoted separately.

Technical Specifications of Solar Radiation Measurement Sensors without Datalogger

Sl. No	Specifications
	<p>Pyranometer Sensor : For Shortwave Radiation</p>
	<p>Radiation Range: 0 – 2000 w/m² Cosine response @ 45° zenith angle: ± 4 % Cosine response @ 75° zenith angle: ± 10 % Absolute accuracy: ± 5 % Repeat-ability: ± 1 % Output: 0.200 mV / Wm⁻² Sensitivity: Custom calibrated to exactly 5.00 W m⁻²/ mV Operating environment - 40 to 55 °C; 0 to 100% RH Warranty :- One year onsite warranty</p> <p>The Testing and Evaluation certificate (performance and accuracy of sensors) must be attached with the quotation. The sensors and its output must be compatible with Existing AWS setup and its datalogger. Existing AWS are of Make 'Virtual Electronics' with AWS 6 Datalogger of same make.</p>
	<p>Pyrgometer Sensor : For Long Wave Radiation</p> <p>Spectral range 4.5 to 40 x 10⁻⁶ m Field of view angle 150° Response time 18 s Sensitivity (nominal) 15 x 10⁻⁶ V/(W/m²) Rated operating temperature range- 40 to +80 °C Temperature dependence < ± 3 % (-10 to +40 °C) Warranty :- One year onsite warranty</p> <p>The Testing and Evaluation certificate (performance and accuracy of sensors) must be attached with the quotation. The sensors output must be compatible with Existing AWS setup and its. Existing AWS are of Make 'Virtual Electronics'. with AWS 6 Datalogger of same make.</p>