

**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 : 16/09/2014

M/s

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Our Ref No : GIRS 2014-000185-01

Tender Due: 15:00 Hrs ISTon 07/10/2014

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 Outdoor Solar Powered Wireless Sensor for Monitoring & Measuring real time air pollution parameters (CO , NO & NO2 gases) with minimum one year post sale support. (Specification as per annexure enclosed)	Sets.	5


**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 2014000185                      DESCRIPTION                      SOLAR POWERED WIRELESS SENSOR**

Supply & Installation of Outdoor Solar Powered Wireless Sensor for Monitoring & Measuring real time air pollution parameters (CO2 NO and NO2 gases) with minimum one year post sale support. Sensor units will be installed 100-200 meters apart from each other.

Specification:

1. Wireless Sensor unit: Wireless sensor for monitoring CO, NO and NO2 (all in single sensor unit) gases with robust waterproof standard enclosure. Should work under all weather conditions.

2. Gateway: Gateway Device for collecting data from the sensors over the internet (3G/GPRS) with minimum of 2GB local storage. Data is to be transmitted to central server via 3G/GPRS. It should be enclosed in robust waterproof enclosure.

3. Antenna: Integrated GSM/GPRS Antenna

4. Power: Rechargeable & Replaceable battery + External Solar panel (Compatible with sensor)

5. Software: Software for Data download, Analysis, Real time view, report generation on an hourly/daily basis & diagnostic remotely via GPRS modem.

6. Data Accuracy: NO (+-2%), NO2 (+-2%) and CO (+-2%)

7. Connectivity: 3G/GPRS connectivity for efficient remote access

8. Mounting Arm: Holders & brackets for installation of sensors, gateway & external Solar Panel on street lights/poles

9. Accessories: Any other essential add-ons required for smooth running of sensors

10. Sensor calibration details need to be provided

11. Warranty: Minimum of Two Years