

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

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Date : 19/12/2014

M/s

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Our Ref No : GIER 2014-000360-01

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 hand held thermal sensor with variable emissivity capability (Technical Specifications given in Annexure-I)	Set.	1


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*

**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.
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.

## Technical Specifications of Hand Held Thermal Sensor.

### ❖ *Technical Specification*

- D(istance):S(pot) = **50:1**
- Temperature range = **-50 °C To +1600 °C**
- Ø measuring spot at 100 cm = **20 mm**
- Emissivity adjustable = **0.10 – 1.0**
- Power supply = **9 V battery**
- Response time = **Less than 150 ms**
- Resolution = **0.1 °C – 1000 °C**  
**1 °C over 1000 °C**
- Temperature range Type-K probe = **-50 °C – +1370 °C**
- Accuracy (IR) (+20 °C To +400 °C) = **±1.0 % ±1 °C**
- Accuracy (TK) (-50 °C To +1370 °C) = **±1.5 % of reading + 3 °C**
- Laser class = **2**
- Weight = **less than 0.35 kg**
- Dimensions = **204 x 155 x 52 mm**

### ❖ *Features*

- Laser pointer
- Auto data HOLD
- Illuminated display
- Max, Min, DIF, AVG record
- For non-contact temperature measurement with laser dot
- 150 ms fast sampling with 1 % accuracy
- High temperature range
- Built-in dual laser pointers for accurate targeting
- Permanent measuring
- Compatible with all standard connector Type-K thermocouples
- USB interface
- Memory for 99 measurements
- Easy transmission of data to PC via USB interface

### ❖ *Compulsory Accessories*

- Battery
- USB cable
- Mini tripod
- Type-K temperature probe
- Case