



भारतीय प्रौद्योगिकी संस्थान रोपड़  
INDIAN INSTITUTE OF TECHNOLOGY ROPAR  
नंगल रोड, रूपनगर, पंजाब-140001/Nangal Road, Rupnagar, Punjab-140001  
Ph. 01881-242193, e-mail: purchase@iitrpr.ac.in

No. 740-16/CVL-20031/Deptt/PS

28/12/2016

**NOTICE INVITING QUOTATION**

Sealed tenders are invited from the manufacturers/authorized dealers for the purchase of following items. Please send your offer superscribing on cover of the envelope: (i) Name of the item, (ii) Reference no. of this letter; and (iii) Last date & time of receipt of tenders. Offers should reach on or before the last date and time.

Sl. No.	Description	Qty
1.	<b>Automatic Weather Station (AWS)</b> (Complete specification as per annexure -A)	1

**Bid Schedule :**

a). Last date of receipt of tender:	<b>19.01.2017 up to 03:00 PM</b>
b). Opening of tenders on:	<b>19.01.2017 at 03:30 PM</b>
c). Place of submission of tenders:	<b>Office of the Registrar, Room No. 104</b>
d). Place of opening of bids :	<b>Conference Room.</b>

**NB:**

- (i) Please take note of the instructions overleaf before submitting your offer.
- (ii) Tenders received late shall not be considered.
- (iii) Tenders will be opened as per the above schedule in the presence of bidders, if any.
- (iv) The bidder must have supplied similar equipments to atleast three Centrally Funded Technical Institutes (CFTIs) preferably IITs.

**Registrar**

## INSTRUCTIONS

### **1) FOR IIT Ropar**

Rates offered should be on FOR IIT Ropar basis. Comparison will be made on Net price (including everything i.e. installation/freight/taxes etc.)

### **2) Payment**

Within 30 days from the date of successful installation.

### **3) Warranty**

Period of warranty should be clearly mentioned and also the parts covered under it. Warranty will be calculated from the date of successful installation.

### **4) Customs Duty or Excise Duty**

IIT Ropar is exempted from the payment of Customs Duty/Excise Duty. CDEC/EDEC with DSIR certificate will be provided along with the purchase order (If applicable).

### **5) Validity of offer**

The offer submitted should have the validity of atleast 90 days from the date of opening of bids.

### **6) Service Facility**

Supplier should mention about the service set up in India and how capable they are to provide after sales service.

### **7) Brochure/Templates**

The suppliers must support the quoted specifications with the help of original printed manuals of the equipments and must highlight the specification details in the original manual

### **8) Liquidated Damages**

In case the firm fails to execute the supply as per the purchase order in whole or in part as per the terms and conditions of PO, IIT Ropar can impose the penalty @1% per week of the undelivered stores, subject to a maximum of 10%. It will also be open to the institute to procure the required item(s) from any other source at the risk and expense of the firm.

**Note: The Director, IIT Ropar reserves the right to accept/reject any or all quotations without assigning any reasons thereof.**

Sl. No.	Detailed Specifications	Quantity
1	<p><b>Automatic Weather Station (AWS)</b>  AWS with a provision of data storage and logging at a 15 minute interval, Ingress Protection Rating of IP-55 (or better). All the sensors must be traceable to NIST,USA or any other relevant government organization (with certification). AWS must calculate the following parameters:</p> <p>1) Rainfall  i) Range: 0 to 100mm/hour  ii) Self emptying tipping bucket type raingage  iii) Accuracy: <math>\pm 5\%</math>  iv) Resolution: 0.1mm  v) Response Time: 30 minutes</p> <p>2) Air Temperature (Using Thermometer)  i) Range: <math>-20^{\circ}\text{C}</math> to <math>60^{\circ}\text{C}</math>  ii) Accuracy: <math>\pm 0.2^{\circ}\text{C}</math>  iii) Resolution: <math>\pm 0.1^{\circ}\text{C}</math>  iv) Response Time: 10 Sec</p> <p>3) Atmospheric Pressure (Using Barometer)  i) Range: 600hPa to 1100hPa  ii) Accuracy: 0.2hPa  iii) Resolution: 0.2hPa  iv) Response time: 10 sec</p> <p>4) Wind velocity (Using Anemometer) and direction  i) Two Anemometers to be placed at height of 2m and 10m  ii) Range for wind velocity: 0m/sec to 60m/sec  iii) Range for wind direction: <math>0^{\circ}</math> to <math>360^{\circ}</math>  iv) Accuracy for wind velocity: <math>\pm 5\%</math>  v) Accuracy for wind direction: <math>\pm 5^{\circ}</math>  vi) Resolution of wind velocity: 0.1m/sec  vii) Resolution of wind direction: <math>1^{\circ}</math>  viii) Response time for wind velocity and direction: 10 sec</p> <p>5) Relative Humidity (Using Hygrometer)  i) Range: 0 to 100%  ii) Accuracy: <math>\pm 3\%</math>  iii) Resolution: 1%  iv) Response Time: 60 Sec</p> <p>6) Solar Radiation (Using Pyranometer)  i) Range: 0 to 1500 W/m<sup>2</sup>  ii) Accuracy: <math>\pm 5\%</math>  iii) Resolution: 5W/m<sup>2</sup>  iv) Response Time 5 minutes</p>	1