

**College of Engineering Trivandrum, Thiruvananthapuram**  
**NOTICE INVITING TENDER**

P1/9379/21/CET

29.12.2021

**Tender No.** : 31/2021/P1/CET/Arc  
E tender id : 2021\_DTE\_462437\_1  
Superscription : Purchase of "HEAT FLUX METER" in  
Environmental Design Lab, Department of  
Architecture  
Last date and time of receipt of tender on  
the website (www.etenders.kerala.gov.in) : 11/01/2022 3 p.m.  
Date and time of opening of tender : 13/01/2022 11 a.m.  
Date upto which the rates are to be firm : 13/07/2022  
Tender Cost : Rs.472/- (Rs400 +18%GST)  
EMD required : Rs.1500/-  
Address of the Officer to whom hard copy is  
to be send. : THE PRINCIPAL, COLLEGE OF  
ENGINEERING TRIVANDRUM,  
THIRUVANANTHAPURAM-695016, KERALA  
GSTIN:32AAAGC0358L1ZP

**Specifications are attached as Annexure**

**General conditions**

1. The unit price, all other charges such as delivery, transporting, packing, shipping, loading and unloading charges etc, and GST must be shown separately and should be furnished unambiguously.
2. Payment: 100 % after successful supply, installation, and satisfactory performance.
3. The item should have a minimum warranty of 1 year.
4. Delivery Period: Maximum Delivery period will be 60 days from the date of receipt of supply order.
5. The item should be supplied at Environmental Design Lab, Architecture Department of this institution
6. Agreement as per NIT 2 in Rs.220/- Kerala Stamp Paper and tender form should be uploaded.
7. 5% security deposit along with agreement should be furnished within a month/fortnight from the date of receipt of supply order.
8. Date of opening of tender : In case the proposed date declared as holiday, the tender will be opened on the next working day.
9. Only GST registered firms can participate in the Tender. GST number must be mentioned. The firm under composition scheme must mention the words "Composition taxable person" in their documents and should submit proof for that.
10. After E-Tendering the hard copy of documents should be submitted before the opening date.

NB: The Tender procedure will be made as per Rules mentioned in the Revised Store Purchase Manual.

The bidders should participate this tender through E-Tendering System. Tender cost and EMD should be submitted only through online. For more details Contact Ph.0471 2577088, 0471 2577188, 0471 257388, 0471 2515760, 9884402791

**Sd/-**  
**PRINCIPAL**

**ITEM DETAILS**

| SI No | Item & Specification   | Quantity |
|-------|--|----------|
| 1     | <p><b>Heat flux meter</b> for heat flux measurement through walls and building envelopes.</p> <p><b>Specifications-</b></p> <p><b>Measurement-</b> heat flux</p> <p><b>Measurement range-</b> -2000 to +2000 W/m<sup>2</sup></p> <p><b>Sensing area-</b> 8 x 10<sup>-4</sup> m<sup>2</sup></p> <p><b>Sensitivity range</b> 50 to 70 x 10<sup>-6</sup> V/(W/m<sup>2</sup> )</p> <p><b>Sensitivity (nominal)</b> 60 x 10<sup>-6</sup> V/(W/m<sup>2</sup> )</p> <p><b>Guard width to thickness ratio</b></p> <ul style="list-style-type: none"> <li>• 5 m/m (as required by ISO 9869 D.3.1)</li> </ul> <p><b>Sensor thermal resistance-</b> 71 x 10<sup>-4</sup> K/(W/m<sup>2</sup>)</p> <p><b>Sensor thickness-</b> 5.4 x 10<sup>-3</sup> m</p> <p><b>Rated operating temperature range</b><br/>-30 to +70 °C</p> <p><b>Accessories- Handheld read-out unit</b><br/>programmed datalogger, two spare batteries, one USB cable, software and a transport case</p> <p><b>Cable diameter-</b> 4 x 10<sup>-3</sup> m</p> | 1        |

Principal