



No: EN/SP DST EMR Project-2017/01

Date: 27-11-2017

### **Tender Notice**

Quotations are invited from reputed manufacturers/authorized dealers/vendors for supply & installation of Laboratory Equipment required in the DST sponsored Project entitled “*Synthesis of d-group metal oxide-perovskite nanocomposite for Dye Sensitized Solar Cell*” in the Department of Energy Engineering, North-Eastern Hill University, Shillong, as per the technical the given specifications for items/equipments/instruments listed below.

#### **Item No: 01: IPCE measurement system**

##### **Technical Speciation:**

**Light Source :** LED : Web Length 450nm, 495 nm, 620 nm, 380nm, 570nm, 590nm, White, Off-White (4 Numbers Each) with Housing (2 Numbers) & Power Adaptor.

##### **LASER DIODE MODULE :**

- Collimated Laser Diode Module, 405 nm, 4.5 mW, Elliptical Beam, Ø11 mm Housing – 1 No
- Collimated Laser Diode Module, 450 nm, 4.5 mW, Elliptical Beam, Ø11 mm Housing – 1 No
- Collimated Laser Diode Module, 520 nm, 4.5 mW, Elliptical Beam, Ø11 mm Housing – 1 No
- Collimated Laser Diode Module, 532 nm, 4.5 mW, Round Beam, Ø11 mm Housing – 1 No
- Collimated Laser Diode Module, 532 nm, 0.9 mW, Round Beam, Ø11 mm Housing – 1 No
- Collimated Laser Diode Module, 635 nm, 4.5 mW, Elliptical Beam, Ø11 mm Housing – 1 No
- Focus Adjustable Laser Diode Module, 650 nm, 4.5 mW, Elliptical Beam, Ø11 mm Housing – 1 No
- Adjustable Focus Laser Diode Module, 670 nm, 4.5 mW, Elliptical Beam, Ø11 mm Housing – 1 No
- Collimated Laser Diode Module, 780 nm, 2.5 mW, Elliptical Beam, Ø8 mm Housing – 1 No
- Collimated Laser Diode Module, 808 nm, 2.5 mW, Elliptical Beam, Ø8 mm Housing – 1 No
- Collimated Laser Diode Module, 830 nm, 3.0 mW, Elliptical Beam, Ø8 mm Housing – 1 No
- Collimated Laser Diode Module, 850 nm, 3.5 mW, Elliptical Beam, Ø8 mm Housing – 1 No
- Collimated Laser Diode Module, 980 nm, 4.5 mW, Elliptical Beam, Ø8 mm Housing – 1 No

##### **Adaptor for LASER :**

- Ø1” Kinematic Pitch/Yaw Adapter for Ø8 mm Cylindrical Components – 1 No
- Ø1” Kinematic Pitch/Yaw Adapter for Ø11 mm Cylindrical Components – 1 No

##### **LASER Mounting KIT :**

- Ø8 mm Laser Diode Module Mounting Kit, 230 V – 1 No
- Ø11 mm Laser Diode Module Mounting Kit, 230 V – 1 No

##### **Power Supply KIT**

- 5 VDC Regulated Power Supply, 2.5 mm Phono Plug, 230 VAC – 2 Nos

**Enclosure for QE measurement :**

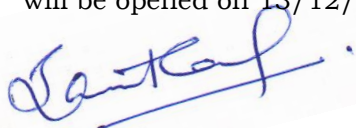
**Enclosure for QE measurement without outside light interference.**

Sample Holder with moveable stage.  
X-Y-Z moveable stage  
Light Source Holder in X-Y-Z moveable stage.  
Distance measurement facility  
Inside light

Software with PC control: Windows based Software with Software Up gradation for Lifetime with supporting PC and accessories as per requirement.

Warranty : 1 Year

Last date of Submission of offer is 12/12/2017 up to 4:00 pm. The bids single bid type and the same will be opened on 13/12/2017 at 11:00 am.



Dr. Samrat Paul,  
PI DST EMR project

**GENERAL TERMS & CONDITIONS:**

1. No separate tender paper will be issued from the office; one should only download the specifications/List from the University website.
  2. The rates should be quoted on FOR Department of Energy Engineering, School of Technology, North-Eastern Hill University, Shillong basis.
  3. The rates should be inclusive of all taxes and applicable tax % should be clearly indicated.
  4. Quoted rates should be valid for at least for a period of 6 months.
  5. The rates should be quoted along with supporting documents of specifications and technical features. A list of users may also be supported along with the quotation.
  6. Details of availability of after sales support will have to be furnished. After sales support directly from manufacturer will be preferred.
  7. Items of Foreign origin should have Insurance up to installation on site.
  8. The University reserves the right to accept or reject any or all the quotations without assigning any reason.
  9. **Quotation should be submitted within 15 days from issue of this notice.**
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