

Maulana Abul Kalam Azad University of Technology, West Bengal



Tender Form

Xenon Lamp and Optical Power Meter

Notice No: CSE/FO/2016-17/4

Date of Issue : 09/04/2016

Tender Price : Rs. 200

D.D No. for the Tender Price:

Address:

BF-142 Sector-I

Salt Lake City Phone No.: (033) 2321-1345

Kolkata-700064

Tele-Fax No: (033) 2334-1034

1. a) Name and Address of the Firm:
 - b) Telephone No:
 - c) Mobile No.:
 - d) Fax No:
2. Name of the items for which the Firm is interested:
3. Name of the Proprietors/Partners/Directors etc:
4. Trade License No (With Photocopy):
5. VAT License No:
6. Service Tax Registration No (With Photocopy):
7. Additional Information if the party wants to include:
8. Copies of Testimonials/credentials/certificates regarding services/experience etc:

Signature with stamp

Please give sealed quotation for the following instrument clearly super scribing the tender notice number on the envelope .

TECHNICAL SPECIFICATIONS

Item-1. Xenon Lamp as an Optical Source for Photovoltaic Application

Specification:

1. Xenon Lamp Power: 150W
2. Wave Type: Continuous range
3. Spectral range : 220 nanometer to 2200 nanometer
4. Air Mass Filter: AM 1.5G with holder
5. Irradiance : 0.8 to 1.5 Sun(1 SUN= 1000W/m²)
6. Illumination head : freely rotatable at 360 degree
7. Covering Illumination Area with Class AAA: 40mm x 40mm (approx.)
8. Light shielding shutter: automatic and controllable
9. The necessary accessories, spare parts and interfacing devices for Keithley 2612A SMU and Agilent E4980A LCR Meter should be provided for optoelectronic characterisation of solar cell at various temperatures.

Quantity: 1

Item-2. Optical Power Meter

Specification:

1. Compatible sensors: Photodiode, thermal and Pyroelectric working independently.
2. Optical Power range: 100 pico-Watt to 200 Watt.
3. Optical Energy range: 3 micro-Joule to 15 Joule.
4. Available Sensor Wavelength Range: 185 nano-meter to 25 micro-meter.
5. Resolution: 1 nano-Watt for lower range and 1 micro-watt for higher range.
6. Measuring capability : USB Interfacing / Standalone.
7. GUI Display Refresh Rate: 300Hz.
8. Bandwidth: DC-100kHz.
9. Response Time: Low.
10. Measurement Uncertainty: Low.

Quantity: 1

General conditions:

1. The tenderers are required to deposit the tender forms along with relevant papers (mentioned in the form) in sealed cover. The Bidder should be an ISO certified.
2. Only OEMs or their Dealers with tender Specific Authorization can participate in this tender.
3. The university reserves the right to accept or reject any tender without showing any reason.
4. Tender for providing the items mentioned in the notice may be submitted in full or in part.
5. All payments should be made through demand draft in favour of **MAKAUT, WB** payable at Kolkata.
6. The last date of receiving of tender paper is **26th April 2016** at the office of the Finance Officer .
7. Incomplete tender shall be summarily rejected.
8. Subcontracting in any form will not be entitled by the University.
9. All legal disputes shall be subject to jurisdiction of Calcutta High Court.