INDIAN INSTITUTE OF TECHNOLOGY KANPUR
Department of Physics

Enquiry no.: PHY/RV/EQP/DRD/2015/3
Enquiry date: 02/06/2015
Closing date: 19/06/2015

Sealed quotations should reach the undersigned latest by 4.00 pm on **19th June, 2015** for the following:

Description	**Quantity**
Detector and compatible dual-channel power/energy meter	One

The above-mentioned equipment should conform to the following specifications and a sheet showing the extent of compliance should be attached:

1. Detectors - 3.
   (i) Thermopile sensor – 1 number (Specifications: wavelength range of 200 nm to 10μm, max power of 10W, noise level of 1 mW or lower, rise time of 1 s or better, maximum average power density of 25 kW/cm^2, maximum energy density of 1-2 J/cm^2, active area of 2 cm^2, with suitable heat sink for proper cooling)
   (ii) Photodiode with fiber-optic input : 2 numbers (Specifications: one wavelength range of 400 to 1100nm and another with wavelength range of 750 nm to 1800 nm, maximum measurable power of 5mW, rise time of 2 μs, active diameter of 3mm, maximum pulse energy in μJ/cm^2, FC/PC connector as an option in addition to free space measurements, include attenuators if required)
2. Dual-channel power / energy meter: A single meter compatible for all the detectors mentioned above; if not, specify multiple meters. Dual-channel, both power and energy measurement essential, maximum rep rate of 100-200 kHz, analog output essential, output display TFT LCD, VGA.
3. Computer interface and data storage: preferred.
4. USB and RS-232 interfaces required.
5. Instruction manual with clear instructions and trouble-shooting tips.
6. Installation on-site upon purchase, and demonstration of all parameters.

Any additional accessory useful for operation such as power cords for India may be included and clearly specified as essential or optional. All adaptors required to connect the detector to the meter or the meter to the computer should be quoted separately as accessories.

The supplier should be willing to supply the complete test report of the unit while shipping the item. Refurbished units are not acceptable.

Terms and conditions:
Quotations should have a validity of a minimum of 60 days.
The equipment should be provided with a warranty of 1-3 years.
Technical bids and financial bids have to be in separate envelopes inside one sealed envelope sent to us with enquiry number mentioned on the envelope.

Technical specifications along with the extent of compliance should be mentioned. **Quotations that do not provide a compliance sheet will be rejected.**
The delivery period should be specifically stated.
Permissible educational discount should be provided since the equipment will be used for research work of students.
For suppliers from outside India, the rate offered should be FOB (specify city) or FCA terms.
IIT Kanpur has its own freight forwarder for shipping from outside India.
IIT Kanpur is exempted from payment of Excise Duty under notification no.10/97

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