

**Department of Physics
Indian Institute of Technology Delhi**

NOTICE INVITING QUOTATION

Date: 11-10-2013

Sub: Power Meter and Detector Heads

NIQ Ref: IITD/PHYS/OCT/2013PLN-03/ASG/PM

Please send your quotation for purchase of the following item(s) as per specifications given below. Your quotations should reach latest by **3 PM** on **October 25, 2013**. Quotations are solicited only for new items manufactured by reputed company with proven past record of sales, supply and after-sales service.

A. Type of Item: Laser Power Meter

1. Compatible with all thermopile, and photodiode sensors as per requirement in items **B** and **C** and THz detectors (for future upgrade).
2. Large, high definition LCD display with touch screen features, if available
3. Both digital and analog needle display.
4. USB and RS232 output to PC with Statistics package.
5. Analog output.
6. Soft keys and menu driven functions with on line help.
7. Real time data transfer to USB
8. Non-volatile data storage up to 50,000 points.
9. Laser tuning screen and power log.
10. 2 position kickstand.
11. System Integrator Tools included: LabVIEW VIs, if available
12. Storage case and/or pouch

B. Type of Item: Thermopile power detector

1. Spectral Range = 0.2 μm – 20 μm
2. Average Power Range = 10 mW (or lower) – 15 W (or higher)
3. Aperture = 17 mm or more
4. Cooling should be passive
5. Resolution = 1 mW or better
6. Broadband coating
7. Response time < 1 second
8. Should include stand

C. Type of Item: Photodiode power detector

1. Shape of aperture: Circular
2. Spectral Range = 700 nm – 1800 nm
3. Average Power Range = few μW (or lower) to 200 mW (or higher)
4. Aperture \approx 5 mm or more
5. Resolution = few μW (or lower)
6. Should include stand

Please note:

1. The power requirements have to be compatible to Indian conditions (220VAC, 50Hz) and all power cables, supplies and required adaptors must be provided.
2. NIST provided calibration sheet to be included.

TERMS & CONDITIONS COVERING SUBMISSION OF QUOTATIONS

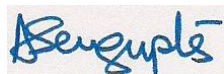
1. TECHNICAL REQUIREMENTS

- 1) All items are to be in **metric scale**.
- 2) **A technical comparison/compliance sheet of the offered equipment with the required specifications above.**
- 3) The **Technical Bid must** contain the following details:
 - a. All the required specifications, drawings, spectral response curves, etc.
 - b. Support documents related to previous sale of the above items(s) within India as applicable.
 - c. If the items are of proprietary nature, please provide proprietary certificate from the manufacturer.
 - d. All INDIAN agents must provide agent certificate, IEC and central sales tax certificate.

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| 2. WARRANTY SERVICES: | Minimum of 24 months |
| 3. TOTAL PRICE: | Please quote prices of imported items FOB IIT Delhi. The quotation should provide the total price of the system including all taxes and transport charges. Extra charges such as VAT, Import/ excise duty, Insurance, Documentation, Transportation charges to Delhi, etc. have to be mentioned separately. |
| 4. TERMS OF PAYMENT: | 100% post-payment (wire transfer/LC) on delivery and satisfactory installation |
| 5. INSTITUTE'S RIGHTS: | IIT Delhi reserves the rights of acceptance or rejection of any or all quotations. |
| 6. VALIDITY OF QUOTATIONS: | Quotations should be valid at least for a period of <u>3 months</u> . |
| 7. SUBMISSION OF QUOTES: | Both Technical and price bids are to be quoted separately in separate sealed covers. Both bids should be sent in a sealed cover marked SUBJECT AND DUE DATE by October 25, 2013, 3 PM.
Incomplete quotations will be rejected. |

Quotations should be sent in hard copy format as requested, on or before due date to:

Dr. Amartya Sengupta
Department of Physics, IIT Delhi,
Hauz Khas, New Delhi - 110 016,
India.
Email: amartya@physics.iitd.ernet.in

A handwritten signature in blue ink that reads "Sengupta". The signature is written in a cursive style and is placed on a light-colored rectangular background.

Dr. Amartya Sengupta
Department of Physics, IIT Delhi.