27 September 2024

Request for quote and specifications for 'Optical power meter'.

- Quantum Research Park (QuRP) at FSID- Foundation for Science Innovation and Development is seeking bids from qualified industries for the procurement of **Optical power meter.** The specifications are listed on Page 2.
- Companies need to submit two bids, a technical bid, and a commercial bid, in two separate sealed envelopes. The bids should be submitted no later than 21 days from the date of posting of this tender, as listed on the website date/time stamp, and by 5 p.m. on the 21st day or the next weekday in case the 21st day falls on a weekend or a national holiday.
- Both technical and commercial bids should be addressed to "The Chief Executive, FSID, IISc, Bangalore-560012."
- The envelopes should be addressed to "Prof. Akshay Naik, CeNSE, IISc, Bangalore, 560012" and submitted to the office at Cense, IISc in Room No. GF 15 between 9 am and 5pm.
- Please intimate regarding this tender to office.qurp@iisc.ac.in with Cc to anaik@iisc.ac.in with the subjectline "QuRP_Bidder's name_Tool Name" and ensure that both the technical and commercial bid documents are not attached to the email.
- An email confirming the submission must be sent within one day after the submission.
- Deviations from the technical specifications requested are allowed. Such deviations must be highlighted and justified. Their acceptance or rejection will be left to the discretion of the technical committee.
- The equipment will be used at the Centre for Nano Science and Engineering (CeNSE), Indian Institute of Science (IISc). IISc is India's No. 1 institution of higher learning, and theCentre for Nano Science and Engineering is home to one of the best academic fabs in the world.
- The technical response, corresponding to the tool being offered, should be in the form of a compliance table. Serial number in column 1. Each of the numbered technical items below should be addressed in a separate row of the table in column 2. Compliance with this requirement, in Yes/No, deviation from it, and justification should be provided in the neighboring column 3. Post the opening of a hard copy of the technical bid the committee will request a soft copy of the files for further processing. Companiesshould NOT mail soft copies of the files unless specifically requested.
- Detailed technical specifications of the Optical power meter being offered should be included.
- Any additional capabilities or technical details that you would like to bring to the attention of the purchase committee can be listed at the end of the technical table.
- Vendors are encouraged to highlight the advantages of their Optical power meter over the competitors.
- The commercial bid should be broken up to the maximum extent possible into separateitems with a cost against each to enable better comparison of price for various configurations. Vendors are encouraged to quote for as many add-ons as their portfoliopermits.

- The complete system is to be under warranty period of a minimum of 3 years (year-wise breakup value should be shown in the commercial bid) including free supply of consumables, spare parts, and data analysis software from the date of functional installation.If the instrument is found to be defective, it must be replaced or rectified at the cost of the bidder within 30 days from the date of receipt of written communications from IISc, Bangalore. If there is any delay in replacement or rectification, the warranty period shouldbe correspondingly extended.

Technical Specifications of the Optical power meter:

Sl.No	Technical specifications	Compliance with this requirement		Justification
		Yes	No	
1	Number of units: 2			
2	Number of ports: 2			
3	Operating wavelength range: 1000 nm to 1700 nm			
4	Power range: –110 dBm to +10 dBm			
5	Maximum safe input power: +16 dBm			
6	Averaging time: 50 µs to 10 s			
7	Fiber type: Standard SM and MM ≤ 100 µm core diameter			
8	Uncertainty: < 4.5%			
9	Linearity: 0.05dB			
10	Drift: 0.05pW			
11	Noise peak-to-peak (dark)< 0.1Pw			

Terms and conditions:

1. Vendors can quote for the above technical specifications.
2. Shipping: On all the items the cost of shipping up to IISc. IISc will help the shipping company to take care of the customs clearance at Bangalore Airport. Please include yourpayment option.
3. Training and demonstration for the equipment is essential.
4. References: Bidders should provide details of other locations/users across the globe wheresimilar material was delivered.
5. The lead time for the delivery of the material should preferably be less than 4 weeks fromthe date of receipt of our purchase order. The smallest lead time will be appreciated. Otherwise, the lead time should be specified.
6. The validity period of the quotation should be 120 days atleast.