

Global Tender notification for an “Optical Spectrum Analyzer”

Ref: PH/SBM/518/2021-22

Date: 12/07/2022

This is a notice inviting global tenders for the procurement of an “Optical Spectrum Analyzer (OSA)” that will be utilized for optics experiments. The required technical details including terms and conditions are provided below. The last date of reaching the quotation to us is mentioned below.

Specifications:

1. Wavelength range: Operating wavelength range of at least ≤ 600 nm to > 1650 nm is required. A wider wavelength range is preferred. Please quote separately for a wider wavelength range of ≤ 360 nm to > 1650 nm
2. Wavelength accuracy: As good as possible.
 $\leq \pm 0.2$ nm (full wavelength range)
 $\leq \pm 0.06$ nm around 630 nm
3. Wavelength resolution: minimum resolution ≤ 0.05 nm and maximum resolution ≥ 1 nm. Resolution settings should ideally include at least 0.05, 0.1, 0.2, 0.5 and 1.0 nm
4. Optical power level scale: Watt, milliwatt and dBm
5. Optical power level range: ≤ -60 dBm to ≥ 15 dBm for the wavelength range 600 nm to 1000 nm. ≤ -75 dBm to ≥ 15 dBm for the wavelength range 1000 nm to 1600 nm
6. Dynamic Range: 60 dB or more
7. Optical power level accuracy should be $\leq \pm 1$ dB
8. Input coupling: Coupling through single mode optical fibres as well as large mode area fibres is required. Additionally, the option of free-space coupling is preferred.
9. Power level sensitivity for different polarization should ideally be $\leq \pm 0.05$ dB
10. In-built light source integrated with the system is preferred for alignment and calibration purpose
11. Please include the calibration certificate
12. Display: Inbuilt display integrated with the OSA is required. Suitable software for PC/laptop interface through USB (2.0 or 3.0)/Firewire/RS232 port is preferred.

13. More than two USB port is required for data transfer and other uses
14. Operating voltage, frequency: 220 VAC, 50 Hz
15. All accessories such as necessary software, connectors, adapters, cables etc. required for the independent operation of the device should be included.
16. Installation should be performed on site
17. The vendor/company and/or their associate (agent) in India should provide after sales service, full support, and repair if required.
- 18. Include pictures of the exact system being offered.**
19. Warranty: 1 year [onsite repair is preferred] from the date of installation.
Please quote for extending the warranty period for an additional one (i.e., total of two) as well as two (i.e., total of three) years.

Terms and conditions:

1. The bid should be submitted in a two-cover system, i.e., technical bid and commercial bid separately in sealed covers. The technical bid should contain all commercial terms and conditions, **except the price.**
2. The technical bid must contain a point-by-point technical compliance document. The technical proposal should contain a compliance table that should describe your compliance in a "yes" or "no" response against each specification. If "no" the second column should mention the extent of the deviation. The third column should state the reason for the deviation, if any. The fourth column can be used to compare your tool with that of your competitors or provide details as requested in the technical requirement table below. **Tender documents without technical compliance documents will not be considered.**
3. In the commercial bid, the price should be inclusive of all discounts.
4. The vendor/company should have a track record of having previously supplied **at least ten similar equipment** in India (please furnish the details). It would be desirable to provide two reference letters from customers in India.
5. The vendors quoting should ideally be registered with IISc, and the quote should ideally carry the vendor registration number in the bid.
6. Lead time should be clearly mentioned in the technical and commercial bids.

7. The offer shall be valid at least 90 Days from the date of opening of the commercial bid.
8. The vendor/company should have existence for a minimum of 3 years. (Enclose Company Registration Certificate).
9. The vendor or their Indian authorized distributor should attend lab physically when the instrument is down. They should have a Local office & service facility in Bangalore.
10. The vendor/company must not be blacklisted/banned/suspended or have a record of any service-related dispute with any organization in India or elsewhere.
11. The quotations should be on C.I.P. Bangalore basis (by Air Freight only). Please provide Itemized cost of the system and required accessories. The quotation should mention the terms of delivery, delivery schedule, estimated delivery date, and payment terms.
12. The Institute reserves the right to accept or reject any bid, or to annul the bidding process and reject all bids, at any time prior to the award of contract without thereby incurring any liability of the affected bidder or bidders.
13. Notwithstanding anything specified in this tender document, IISc Bangalore, in its sole discretion, unconditionally and without having to assign any reason, reserves the rights:
 - a. To accept OR reject lowest tender or any other tender or all the tenders.
 - b. To accept any tender in full or in part.
 - c. To reject the tender, offer not confirming to the tender terms.
14. The tender documents can be sent at the following address by post or in-person or email, and the document should reach us on/before **05 August 2022**.

The Chairman

Department of Physics

Indian Institute of Science,

Bangalore 560012, Karnataka, India

Attention: Physics Office [email: roopan@iisc.ac.in]

Attention: Seababrata Mukherjee