



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान, पुणे
INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH (IISER), PUNE
Dr.Homi Bhabha Road Pune 411008

ENQUIRY

All Communications to be addressed to The Director IISER PUNE for the attention of INCHARGE S & P FOR DIRECTOR

Tender Enquiry No:

IISER/PUR/0444/18


Date

26/09/2018

Sir/Madam,

Subject: REQUEST FOR QUOTATION DUE DATE: 10/10/2018

Please send your Principal quotation in a sealed cover for the following items with complete specifications and literature showing delivery period, on or before the due date to reach this office. In case of difficulty please contact us at purchase@iiserpune.ac.in

S.No;	Description of Material	Quantity
1	Scanning Monochromator As per attached specifications	01 No
<ol style="list-style-type: none">Quotation received after due date will not be considered at all/Fax/Telex Quotation will not be considered.Our Enquiry No, date and DUE date as above must be subscribed on the sealed envelope containing your quotation.We do not accept the advance payment terms or through bank against documents.		<p>Yours Faithfully</p>  <p>Salim Shaikh</p>

सलीम शेख / Salim Shaikh
सहा. कुलसचिव (भंडार एवं क्रय) /
Assistant Registrar (S & P)
भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान
Indian Institute of Science Education & Research
पुणे / Pune - 411008

SPECIFICATIONS

Scanning Monochromator/Spectrograph for setting up a Tunable light source.

A. Specifications for the monochromator-spectrograph

1. Should be able to use it both as a scanning monochromator and a spectrograph.
2. Number of entrance port –one.
3. Number of exit port – two.
4. Swing away mirror for selecting a particular exit port.
5. Optical design - Czerny-Turner (preferred).
6. Astigmatism-corrected optical design.
7. Wavelength range at least 200-1300 nm.
8. Wavelength Accuracy (deviation of the output from the desired wavelength) – at least ± 0.35 nm. (with 1200 g/mm grating, 10 micrometer slit width).
9. Wavelength Precision (the ability of a wavelength to be consistently reproduced) – at least 0.1 nm.
10. Preferred resolution – at least 0.25 nm (using a 1200 g/mm grating).
11. Aperture ratio $\sim f/4$.
12. Preferred focal lengths for input and output –not less than 200 mm.
13. Preferred turret configuration – Triple/quad-grating interchangeable.
14. At least two gratings, 1200 g/mm and 600 g/mm should be installed.
15. Preferred grating size- not less than 50x50 mm.
16. Grating change repeatability 0.02 nm (typ.)
17. Wavelength scan speed - not less than 100 nm/sec; step size – not more than 0.05 nm
18. Reciprocal Linear Dispersion: not more than 3.2 nm/mm.
19. Slits at the input and one output – Manual (preferred) Micrometer Driven Variable Slit with at least 10 micrometer to 2 mm slit width. One output will have the slit mounted for monochromator operation, while other output port should be configured with a removable mounting flange for future upgrade where a CCD detector can be attached.
20. Electrical requirements: 220-230V, 50 Hz.

Accessories

1. Suitable coupler to couple the output light from the exit port of the monochromator into an optical fiber.
2. Suitable (which will fit to the above mentioned assembly) optical Fiber Bundle of at least 3 ft long, preferred core diameter not less than 600 micrometer and transmittance range at least 400-1100 nm.
3. 1.5" Flange Adapter at the input for connecting Newport Oriel Accessories
4. Wavelengths scan control via USB or GPIB (IEEE-488) using LabVIEW based software.



B. Specification of Filter wheel

1. 6 Position Motorized Filter Wheel for holding 1 inch diameter order shorting filter
2. Order shorting long pass filter with cut on wavelength at 320, 530, 830, 850, 1000 nm.
Combining with the monochromator-spectrograph these filter should enable us to get tunable wavelength light from a broadband source.
3. Connecting cable to control the filter wheel using computer. It is preferred that the filter position will be controlled through monochromator-spectrometer using Labview based software.
4. If the filters are mounted external to the monochromator, then required adapter (if needed) for mounting should be provided.



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TERMS AND CONDITIONS FOR ENQUIRY.

1. Quotation should be SEALED and mention the ENQUIRY NO: DATE and DUE DATE on the envelope.
2. The quotations will be accepted only upto 5.00 p.m. The quotations will be opened in the presence of the representatives, if any, of the quoting firm at 3.30 p.m. on the next working day of the due date.
3. Your offer should be valid for a period of 60 days from the date of opening of the quotations/tenders
4. Break up of individuals cost of items should be provided.
5. Your rate should include packaging and forwarding charges. In case of quotation F.O.R. destination Insurance should also be covered. The good should be insured in your favor against theft, loss, damage or breakage during transit.
6. We are prepared to consider the offer for the material, either from indigenous manufacturer or of foreign manufacturer or available from ready stock. Any offer to supply on forward Delivery Basis under supplier's own import quota license will also be considered.
7. The Quotation should have the following(In case the quote is in foreign currency) :
 - **FOB Airport price including packing forwarding and inland freight charges**
 - **CI F Mumbai price by Airfreight.**
 - Name & address of the Indian agents and their contact details.
 - Amount of agency commission payable to Indian agent in Indian currency after receipt of consignments in good condition at our stores and in case of equipment, after satisfactory installation & commissioning. Indian Foreign Exchange and Regulations act requires that commission to Indian agency, discount etc if any indicated separately.
 - Indicate names of reputed Indian organizations where you have supplied similar equipment and may attach satisfactory performance report of equipment from users.
 - Prices eventually or finally paid in case you have supplied similar or identical equipment to other IISER institutes in the preceding 3 years
 - All Bank charges outside India shall be borne by the beneficiary
 - Details of services to be rendered by you.
 - Delivery period
 - Details Terms including warranty period.
8. **We do not accept advance payment terms or payment against documents. See below details of accepted payment terms.**

Modes of Payment

i) Payment will be made directly to the suppliers by wire transfer for 100% of the Invoice value after receipt of the goods in our Stores, tested /inspected and found satisfactory with regard to quality, quantity, and specifications ordered for and after satisfying that the terms and conditions of supply have been fulfilled.

OR

ii) By Irrevocable Letter of Credit for 100% of the Invoice value. However, 90% of the Invoice value will be paid on presentation of original shipping documents to our bankers and balance 10% will be paid after receipt of material and acceptance of the goods at IISER Pune.

9. **WARRANTY**

The items covered by the schedule of requirement shall carry minimum **1 years on the equipment/instrument comprehensive warranty after installation** from the date of acceptance of the equipment by IISER, PUNE. Warranty shall include free maintenance of the whole equipment supplied including free replacement of parts. The defects, if any, shall be attended to on immediate basis but in no case any defect should prolong for more than 24 hours. The comprehensive warranty includes onsite warranty with parts.

The defects, if any, during the guarantee/warranty period are to be rectified free of charge by arranging free replacement wherever necessary. This includes cost, insurance, freight, custom duty & Clearance octroi, local taxes if any should be borne by the beneficiary or his agent. A clear confirmation should be given for this item.

10. Please provide a compliance table with your quotation in the following format:

Item	Specification asked	Specification Quoted for	Departure and remarks
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Please provide sufficient technical details with your quotation (in the form of brochures, spec sheets or tech notes) such that every point should be independently verifiable. Marking the details on the accompanying material will be greatly appreciated.

11. The quotations are liable to be rejected if any of the above condition are not complied with
12. Printed condition of the tenders/quotations shall not be binding on us.
13. The acceptance of the quotation will rest with the Director, Indian Institute of Science Education and research (IISER) Pune who does not bind himself to accept the lowest quotation and reserves the right to himself to reject or partially accept any or all the quotations received without assigning any reason.