



**INDIAN INSTITUTE OF SCIENCE EDUCATION AND
RESEARCH THIRUVANANTHAPURAM (IISERTVM)
(Govt. of India, Ministry of H.R.D)**

PH: 0471-2597454
FAX: 0471-2597427
EMAIL: PURCHASESTORES@IISERTVM.AC.IN

CET CAMPUS, KULATHUR, ENGINEERING COLLEGE.P.O
THIRUVANANTHAPURAM 695016,
KERALA, INDIA.

Date: 09th December 2016

INVITATION TO TENDER

No: IISER/PUR/8919/KSA/SP/16

Due Date: 27th December 2016 [4PM]

Date of opening: 28th December 2016 [3 PM]

Dear Sirs,

SUB: Supply of Optical Components.

We invite Sealed Tenders for the following items:

| Sl #: | Item/ Description |
|-------|---|
| 1. | Optical components Details as per Annexure I |

Please quote your lowest rate and shortest delivery period as per the following terms. Your offer in sealed cover **SUPERSCRIBING TENDER NUMBER AND DUE DATE** shall reach us on or before the due date and time. Please follow "Instruction to Tenderers" attached.

- EMD** : Rs.20,000/- to be deposited by way of fund transfer to IISER TVM Current Account No: 0819101094718 (IFS Code: CNRB0000819) or fund transfer through POS Machine available at F&A Office, IISER-TVM or Bank guarantee. Quotes received without a copy of Transaction slip/Debit Advice for the EMD amount transferred will be summarily rejected. [Tender No & Company Name must be mentioned in the remarks column, if fund is transferred through bank.]
- Payment** : Within 30 days after supply and installation/Net 30 days /LC. **No advance payment will be made by IISERTVM.**
- Delivery** : To be delivered at our stores (Free delivery). If import, mention Ex-works/FCA/CIP terms with clear breakup charges.
- Taxes & Duties** : Indicate taxes and duties. We are exempted for customs duty under 51/96 notification and Excise duty under 10/97 notifications.
- Discount** : Indicate, if any.
- Delivery Schedule** : Required Immediately. Indicate your schedule
- Validity of quote** : 60 days

Thanking you

Yours Faithfully

Please see the rear side for other Terms & Conditions

Deputy Registrar(I/C)
Purchase & Stores

P.S. (1) CATALOGUE/LEAFLET FEATURING ALL TECHNICAL SPECS/INFORMATION OF THE PRODUCT QUOTED SHALL ACCOMPANY THE OFFER.

IISER-TVM

INSTRUCTION TO TENDERERS [IMPORTS]:

1. **PRICE:** The price quoted shall be firm. The terms of FOB/EXW/FCA/CIF/CIP etc shall be clearly mentioned.
2. **AGENT & AGENCY COMMISSION:** In case Tenderer is represented by any agent in India, their name and address shall be furnished. The amount of commission included in the price shall be clearly shown in the offer; which will be paid directly to the Indian Agents by purchaser in equivalent Indian Rupees. In case Indian agents existing and their agency commission is not shown in the Tender, reasons for the same shall be clearly mentioned in Tender. Details of Indian agent's statutory registration shall be stated. If Agency Commission is paid by Principals in foreign currency, the reasons for the same and exemption from Enforcement Directorate in India shall also be provided.
3. **LEAFLET/CATALOGUE:** Tenderer should furnish all necessary leaflet/catalogue etc., of the stores offered by him to enable the Purchaser to evaluate his offer correctly.
4. **MODE OF DESPATCH:** Tenderer shall indicate the mode of dispatch (i.e., Sea/Air-freight/Parcel Post, etc.) depending upon the normal mode of dispatch adopted by him for the type of stores offered for consideration of the Purchaser.
5. **COUNTRY OF ORIGIN:** Tenderer shall indicate in his offer the country of origin of goods offered and the name and address of the manufacture.
6. **INSURANCE:** If insurance of the goods is felt necessary, the same shall be advised by the Tenderer in the offer.
7. **DELIVERY/SHIPMENT:** The time for and date of delivery quoted shall be reasonable/realistic and shall strictly be adhered to in case of placing order on the Tenderer.
8. **MODE AND TERMS OF PAYMENT:** Payment in full (excluding the amount of Agency Commission included in the price payable directly by the Purchaser to the Indian Agents in Indian Rupees) will be made immediately on presentation of the prescribed documents against SIGHT DRAFT or LETTER OF CREDIT or WIRE TRANSFER against shipping documents. **OURS BEING A GOVT OF INDIA EDUCATIONAL INSTITUTE WE ARE UNABLE TO MAKE ANY ADVANCE PAYMENT**
9. **WARRANTY:** Period of warranty and conditions shall be clearly mentioned in the Tender.
10. **GENERAL:** The Tenderer shall also be complied with the following:
 - a. Mention your Banker's name and address.
 - b. Show approximate net and gross weight and dimensions of packages/ cases. If dimensional details are available the same should also be indicated in your offer.
 - c. Furnish list of recommended spares for satisfactory operation for a minimum period of one year if the quote is for Plant & Machinery, Equipments etc.
 - d. Details of any technical service, if required for erection assembly, commissioning and demonstration.
 - e. Conform that the prices quoted are inclusive of all taxes, levies, duties arising in the tenderer's country.
 - f. Samples, if called for, will be sent free of all charges.
 - g. Late tenders and Delayed will not be considered.
 - h. Offers made by Indian Agents on behalf of their Principals, should be supported by the Proforma Invoice of their Principals.
 - i. The authority of person signing the tender, if called for, shall be produced.
 - j. The purchaser reserves the right to accept or reject the lowest or any other offer in whole or in part without assessing any reason.
11. **Tender Opening:** All tenders will be opened at **Pratheeksha Building**. Authorized representatives with **authorization letters** of the bidders may attend the Tender Opening.

INSTRUCTION TO TENDERERS [INDIGENOUS]

1. Tenders should be sent in sealed envelopes superscribing the relevant tender no. and the due date of opening. Only one tender should be sent in each envelope.
2. Sales Tax and /or other duties/levies where legally levies and intended to be claimed should be distinctly shown separately in the tender.
3. (a). Your quotation should be valid for a minimum period of 90 days from the date of opening of the Tender. Quotation with firm prices will be preferred.
(b). Prices are required to be quoted according to the units indicated in the Invitation to Tender. When quotations are given in terms of units other than those specified in the tender form, relationship between the two sets of units must be furnished.
4. **(a) Preference will be given to those tenders offering supplies from ready stocks. The basis of delivery is at IISER site free of cost.**
(b) Our payment terms are within 30 days of receipt and acceptance of the item at our site.
5. (a) All available technical literature, catalogues and other data in support of the specifications and details of the items should be furnished along with the offer.
Specifications: Stores offered should strictly conform to our specifications. Deviations, if any should be clearly indicated by the tenderer in their quotation. The tenderer should also indicate the Make/Type number of the stores offered and provide catalogues, technical literature and samples, wherever necessary along with the quotations. Test Certificates wherever necessary should be forwarded along with supplies. Whenever specifically mentioned by us the tenderer could suggest changes to specifications with appropriate reasons for the same.
6. IISER shall be under no obligation to accept the lowest or any tender and reserves the right of acceptance of the whole or any part of the tender or portion of the quantity offered and the tenderers shall supply the same at the rates quoted.
7. Corrections, if any, in the Quotation must be attested. All amounts shall be indicated both in words as well as in figures. Where there is difference between amounts quoted in words and figures, amount quoted in words shall prevail. Quotation must have price for each line item and totaling of the price including taxes and duties should be clearly mentioned.
8. The tenderer should mention the name of his bankers, Sales Tax Registration, PAN number etc in the tender.
9. The authority of the person signing the tender, if called for, should be produced.
10. IISER being a Govt of India Educational and Research Institute, is exempted from payment of Excise Duty under Notification No. 10/97 and Customs Duty under Notification No. 51/96- Customs dated 23rd July 2009. Also, we can issue Form 16 as per VAT Rules.
11. The stores supplied should be covered with minimum of 1 year warranty from the date of supply, installation and commissioning.
12. Earnest Money Deposit/ Bid Security should be submitted alongwith your quote as mentioned in Invitation for Tender. EMD should be in favour of Indian Institute of Science Education and Research Thiruvananthapuram valid for 90 days.

Optical components

| Sl. No | Item Name | Description | Required Quantity |
|--------|---|--|-------------------|
| 1. | 50:50 Cubic beam splitter, Mounted, Metric | Wavelength region: 400-700nm Non polarising Length: 1inch Damage Threshold: ≥ 0.25 J/cm ² (Pulse: 532 nm, 10 ns, 10 Hz) Note: It should come with a mounted black anodized cage. Bottom of the cage should have tapped with M4 threading for post mounting. | 1 |
| 2. | Cubic Polarizing beam splitter | Length : 1 inch Wavelength region : 400-700nm Extinction ratio : T _p :T _s $\geq 1000:1$ Transmission for P polarization: $\geq 90\%$ Reflection for S polarization : ≥ 99 Damage Threshold: ≥ 2 J/cm ² (Pulse: 532 nm, 10 ns, 10 Hz) | 1 |
| 3. | Broadband 50:50 Plate beam splitter | Wavelength region for beam splitter: 350-1000nm (Antireflection coating on back surface should be provided) Diameter: 1 inch, Incident angle: 45° Damage Threshold: ≥ 8 J/cm ² (Pulse: 800 nm, 10 ns, 10 Hz) | 2 |
| 4. | High Power Laser line polarizing beam splitter | Cube Length: 1 inch Wavelength : 532nm Extinction ratio : T _p :T _s $\geq 2000:1$ Transmission for P polarization: $\geq 95\%$ Reflection for S polarization : ≥ 99 Damage Threshold: ≥ 10 J/cm ² (Pulse: 532 nm, 10 ns, 10 Hz) | 1 |
| 5. | Zero-Order Quarter-Wave Plate, Mounted, Metric | Diameter: 1inch Operating wavelength 532nm It should be mounted and compatible with the SM1 threaded optomechanics Damage Threshold: ≥ 10 J/cm ² (532 nm, 10 ns, 10 Hz) | 1 |
| 6. | Fresnel Rhomb Hal-fwave plate, Mounted, Metric | Wavelength region : 400-1000nm Retardance variation: 2-3 % for 600-1000nm It should have mounted and compatible with the SM1 threaded opto-mechanics | 1 |
| 7. | Fresnel Rhomb Quarter-wave plate, Mounted, Metric | Wavelength region : 400-1000nm Retardance variation 2-3 % for 600-1000nm It should have mounted and compatible with the SM1 threaded opto-mechanics | 1 |
| 8. | Protected Aluminum mirror | Diameter: 1 inch Wavelength region 450-1000nm Angle of Incidence 0° and 45° Reflectance $\geq 90\%$ for 450-1000nm Damage Threshold: ≥ 0.3 J/cm ² (Pulse: 1064 nm, 6-10 ns, 10 Hz) | 10 |
| 9. | Protected silver mirror | Diameter: 1 inch Wavelength region 450-1000nm Angle of Incidence: 0° and 45° Reflectance: $\geq 95\%$ for 450-1000nm Damage Threshold: ≥ 3 J/cm ² (Pulse: 1064 nm, 6-10 ns, 10 Hz) | 10 |
| 10. | Nd:YAG Laser line Mirror | Diameter: 1 inch Wavelength region 524-532nm Angle of Incidence 0° and 45° S-Polarization: R _{avg} $> 99.5\%$ (524 - 532 nm) P-Polarization: R _{avg} $> 99.0\%$ (524 - 532 nm) Damage Threshold: ≥ 8 J/cm ² (Pulse: 532 nm, 6-10 ns, 10 Hz) | 5 |

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 13/12/26

| | | | |
|-----|---|---|----|
| 16. | Laser beam Trap Metric | Wavelength region: 400-700 nm Maximum Average Power: ≥ 25 W (both Pulsed and continuous wave) M4 tapping for post mounting Entrance aperture: ≥ 1 mm | 1 |
| 17. | Adjustable Mechanical slit, Metric | Slit width: 0 to 6 mm (minimum) Micrometer graduation 10um per division or better | 1 |
| 18. | Notch filter | Diameter: 1 inch Central wavelength: 533 nm | 1 |
| 19. | Notch filter | Diameter: 1 inch Central wavelength: 633 nm | 1 |
| 20. | Pedestal Post Holder, metric | Diameter: 12.7 mm Length: 50-60 mm | 10 |
| 21. | Pedestal Post Holder, metric | Diameter: 12.7 mm Length: 70-80 mm | 10 |
| 22. | Pedestal Post Holder, metric | Diameter: 12.7 mm Length: 100-110 mm | 10 |
| 23. | Clamping Forks, metric | Counterbored Slot length: 44-45 mm Clamping with M6 cap screw | 20 |
| 24. | Kinematic mirror mount, metric | For 1 inch diameter optics | 5 |
| 25. | Stainless steel Posts, Metric | Diameter: 12 mm Length: 100mm M4 tapped hole at top and M6 tapped hole at base | 20 |
| 26. | Magnetic laser safety screen, Metric | Minimum area: 250 mm x 70 mm Black anodized coating An engraved grid on one side for beam alignment | 1 |
| 27. | BNC coaxial cable | Length: 3meter Diameter: 0.2 inch BNC male to BNC male Impedance: 50 ohm | 3 |
| 28. | BNC coaxial cable | Length: 1.5-1.8meter Diameter: 0.2 inch BNC male to BNC male Impedance: 50 ohm | 4 |
| 29. | BNC coaxial cable | Length: 0.9-1.1 meter Diameter: 0.2 inch BNC male to BNC male Impedance: 50 ohm | 4 |
| 30. | BNC Adapter | Straight female to female | 3 |
| 31. | BNC Adapter | T Female to Male to Female | 3 |
| 32. | BNC Adaptor | Straight male to male | 3 |

Other Terms and Conditions:

1. The supplier or their local representative should be a reputed company with supplies of similar products to IITs, IISERs and other Govt. of India organizations. Please attach a reference list of supplies in last 5 years with contact details.
2. The company should be an original equipment manufacturer of the products, please attach authorization certificate with quote.

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