

 IIT PALAKKAD	भारतीय प्रौद्योगिकी संस्थान पालक्काड Indian Institute of Technology Palakkad अहलिआ एकीकृत कैम्पस, कोज़िपारा Ahalia Integrated Campus, Kozhipara पालक्काड- 678557 Palakkad – 678 557	दूरभाषसंख्या/ Phone no: 04923 – 226300/590/586 ईमेल/ Email : purchase@iitpkd.ac.in
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Ref No: IITPKD/CIF/SS/ 122 /2017

Date: 27.02.2018

Due Date of the tender: 14.03.2018 @ 3 PM

TENDER FOR INVITING QUOTATIONS

Dear Sirs,

On Behalf of Indian Institute of Technology Palakkad quotations are invited for “**Optical Microscope**” confirming to the specification in the Annexure.

- Preparation of Bids:** - The tenders should be submitted **under two-bid system** (i.e.) Technical bid and Financial bid. The technical bid should consist of all technical details along with commercial terms and conditions. No prices should be included in technical bid. Financial Bid should indicate item – wise prices for the items mentioned in the technical bid. The technical and the financial bids should be put in separate cover and sealed. Both sealed covers should be put into a bigger cover.
- The Quotations duly sealed and superscribed on the envelope **with the reference No. and due date, should be addressed to the undersigned so as to reach him on or before the due date stipulated above. Fax and Email quotation are not acceptable.**
- The price should be quoted per unit and packing and delivery charges should be indicated separately. The offer/bids should be exclusive of Taxes and Duties, which will be paid by the purchaser as applicable. However the percentage and of taxes and duties as on date should be clearly indicated.
- The Quotations should be valid for **sixty days** from the due date and the period of delivery required should also be clearly indicated.
- Local Firms:** Quotations should be for free delivery to this Institute. If Quotations for Ex-Godown delivery charges should be indicated separately.
- Outside Palakkad: Quotations should be for **F.O.R. at IIT Palakkad**. If F.O.R. consignor station, freight charges by passenger train / lorry transport must be indicated. If Ex-Godown, packing, forwarding and freight charges must be indicated.
- Goods shall not be supplied without an official supply order.
- Custom Duty:** Custom Duty which will be paid at a concessional rate against duty exemption certificate. **The price indicated should be CIF/CIP Kochi.**

9. **Concessional GST@ 5% will be paid extra against Government Notification No.47/2017, dated 14.11.2017**
10. **Payment:** Every attempt will be made to make payment within 30 days from the date of receipt of bill / acceptance of goods, whichever is later. No advance payment will be made. The Tenderer have to furnish the bank details along with tender like Account No, Account Name, IFSC Code, Bank address etc.
11. **Submission of Bids:** Quotation should be sent to the following address “**The Registrar, Indian Institute of Technology Palakkad, Ahalia Integrated Campus, Kozhipara, Palakkad -678 557, Kerala**”, Phone No: **04923 226 586/590**, Email: purchase@iitpkd.ac.in.
12. **Delivery Period:** The quotation should indicate clearly when delivery and installation to be made.
13. **Delay in Supply or Liquidate damages:** If the supplier fails to deliver the stores within the time specified in the purchase order, the purchaser will recover from the supplier as liquidated damages a sum of **one- half of one percent (0.5%) of the P.O value of the undelivered stores for each calendar week of delay. The total liquidated damages shall not exceed five percent (5%) of the P.O price of the unit or units so delayed. Stores will be deemed to have been delivered only when all their component parts are also delivered. If certain components are not delivered in time, the stores will be considered as delayed until such time as the missing parts are delivered.**
14. **Late offer:** The quotation received after due date will not be considered. Please ensure that your offer is sent well in advance to reach the Institute by the due date.
15. **Loading and unloading charges will be borne by the supplier.**
16. **Warranty:** Warranty Clause should be indicated clearly.
17. **Acceptance and Rejection:** IIT Palakkad has the right to accept the whole or any parts of the Tender or portion of the quantity offered or reject it in full without assigning any reason.

Yours faithfully,

Encl: Specifications

Registrar, IIT Palakkad

Technical Specifications: **Optical Microscope**

Quantity – 1

Turretting nose piece which can accommodate six objectives.

Parameters

Principle Characteristics

Specifications

bright field, dark field, polarization contrast, fluorescence and differential interference contrast, phase contrast

High resolution magnification of the objective lenses

2.5x, 5x, 10x, 20x, 40x, 60x, 100x fitting each Bright Field, Dark Field, Differential Interference Contrast imaging

Wide field magnification of the eyepiece

10x, 20x having cross line reticule, 100 mm divided into 100 units, & cross line with 0.1mm graduations

Illuminating capacity

100W

Illumination type

halogen/LED

Light source for fluorescence

Mercury lamp

Stage size

150×100 mm (or more)

Stage movement

mechanical stage movement

Stage characteristics

stage should have flexible movements to hold specimens upto 100 mm heights, having display unit with precision level of 1 micrometer.

Top fine focus

least count range of at least 2 μm or better

Neutral density filter-set

reflected light, daylight, panchromatic green & blue type filter

Achromatic field of view

Range 10x

Rotatable analyzer slider for illumination tube

Rotation of 360°

Image analyzer software

phase percentage analysis, grain size measurement, linear measurement, Inclusion analysis, porosity measurement and image database

CCD camera

minimum 5 megapixels and software for connecting it to PC

Other Details

standalone module