

 IIT PALAKKAD	भारतीय प्रौद्योगिकी संस्थान पालक्काड <b>Indian Institute of Technology Palakkad</b> अहलिआ एकीकृत कैम्पस, कोज़िहपारा 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/CFI /AA/105/2017

Date: 18.01.2018

**Due Date of the tender: 02.02.2018 @ 3 PM**

**TENDER FOR INVITING QUOTATIONS**

Dear Sirs,

On Behalf of Indian Institute of Technology Palakkad quotations are invited for **“TABLE TOP PRECISION CNC LATHE”** confirming to the specification in the Annexure.

- 1. 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.
- 2. Compliance sheet for the specification & OEM Brochure has to be attached along with Technical bid. Vendor has to fill the compliance sheet and mention page number or reference number in OEM brochure. Unfilled / partial filled sheets lead to disqualification.**
- 3. 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.**
- 4. 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.**
- 5. The Quotations should be valid for **sixty days** from the due date and the period of delivery required should also be clearly indicated.**
- 6. Local Firms:** Quotations should be for free delivery to this Institute. If Quotations for Ex-Godown delivery charges should be indicated separately.
- 7. 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.

8. Goods shall not be supplied without an official supply order.
9. **Custom Duty:** Custom Duty which will be paid at a concessional rate against duty exemption certificate.
10. **Concessional GST:** Concessional GST@ 5% will be paid extra as per GOI Notification No. 47/2017, dated 14.11.201
11. **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.
12. **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](mailto:purchase@iitpkd.ac.in).
13. **Delivery Period: Delivery Clause should be indicated clearly.**
14. **Warranty : Warranty condition should be indicated.**
15. **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.
16. **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.
17. **Loading and unloading charges will be borne by the supplier.**
18. **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 for Table-top Precision CNC Lathe

Sl. No.	Item	Unit	Specification
1.	<b>Capacity</b>		
	(a) Swing over Bed	mm	80 - 100
	(b) Swing over Carriage	mm	40 - 60
	(c) Distance between Centers	mm	350- 450
	(d) X-axis (perpendicular to bed) travel	mm	80 - 120
2.	<b>Spindle</b>		
	(a) Spindle Power	W	180 - 250
	(b) Min Spindle Speed	RPM	70 - 100
	(c) Max Spindle Speed	RPM	2500 - 3000
	(d) Hole through spindle	mm	10-20
	(e) Spindle Nose Taper	–	MT1
3.	<b>Mandatory Accessories</b>		
	(a) Tailstock	–	Required
	(b) 3-jaw self-centering chuck	–	Required
	(c) Drill chuck for face drilling	–	Required
	(d) Mechanical thread-cutting attachment	–	Required
	(e) Rocker tool post	–	Required
	(f) High speed cutting tool	–	Quote must include at least 5 nos. of cutting tools.
4.	<b>CNC system</b>		
	(a) Stepper motor based CNC drive system must convert lathe into a high-precision 2-axis CNC Lathe	–	Required
	(b) Dedicated external motion control card that either connects directly to the motherboard of computer, or via ethernet / USB with the host computer. Computer will be provided by IIT Palakkad.	–	Required
	(c) Software system for numerical control	--	Must use MACH3, LinuxCNC or GRBL. Perpetual License must be provided in case of proprietary software.
	(d) CNC control and tool-path simulation software	--	Must be included. Perpetual License mst be provided in case of proprietary software.
5.	<b>Warranty</b>	--	At least 1 year

### **Who can Participate ?**

1. Bidder should be either an Original Equipment Manufacturer (OEM) of CNC precision lathes systems OR an authorized dealer having purchase and support agreement with such an OEM. Proof of authorization needs to be provided.
2. The bidder should be a company registered under the Companies Act, 1956/2013 OR a Limited Liability Partnership (LLP) OR a registered partnership firm OR a sole proprietorship entity. Appropriate Registration/ incorporation certificate to be submitted.
3. Bidder must be in existence in the business of CNC precision lathe systems for a minimum period of 2 previous financial years (i.e., before or since 01-April-2015). Documentary evidence of experience must be provided.
4. Compliance sheet for the specification & OEM Brochure has to be attached along with Technical bid. Vendor has to fill the compliance sheet and mention page number or reference number in OEM brochure. Unfilled / partial filled sheets lead to disqualification.
5. The bidder must provide detailed specification of each equipment/item. Model numbers, data sheets and brochures must be included for each quoted equipment/accessories/item. Specifications corresponding to quoted model number must be available publicly via OEM's website for scrutiny. If not, bid can be disqualified on technical grounds.
6. The bidder must have a service center/service person located in at least one of Palakkad/Cochin/Trivandrum/Chennai/Coimbatore/Bangalore.