

 IIT PALAKKAD	<p>भारतीयप्रौद्योगिकीसंस्थानपालक्काड <b>Indian Institute of Technology Palakkad</b> अहलिया एकीकृत कैम्पस, कोज़िहपारा Ahalia Integrated Campus, Kozhipara पालक्काड- 678557 Palakkad – 678 557</p>	<p>दूरभाषसंख्या/ Phone no: 04923 – 226 586/561 ईमेल/ Email : purchase@iitpkd.ac.in</p>
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**Tender for Inviting Quotations**

**Ref No: IITPKD/MECH/DC/022/2018**

**Date: 20.06.2018**

**Due date for the tender: 11.07.2018 at 3.00 PM**

Dear Sirs,

On Behalf of Indian Institute of Technology Palakkad quotations are invited for supply of “PORTABLE SURFACE ROUGHNESS TESTER” confirming to the specification in the Annexure.

1. 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.**
2. 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.
3. The Quotations should be valid for **sixty days** from the due date and the period of delivery required should also be clearly indicated.
4. Goods shall not be supplied without an official supply order
5. Quotations and delivery should be for **F.O.R. at IIT Palakkad, Transit Campus, West Pudussery, Kanjicode, Palakkad, Kerala**
6. **Concessional GST @ 5% will be paid extra against GOI Notification No.47/2017, dated 14.11.2017**

7. **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 such as Account No, Account Name, IFSC Code etc.,
8. **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 226 586/561**,Email : **[purchase@iitpkd.ac.in](mailto:purchase@iitpkd.ac.in)**
9. **Delivery Period:** Delivery clause should be indicated clearly.
10. **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.
11. **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.
12. **Warranty:** Warranty clause should be indicated clearly.
13. **Loading and Unloading charges will be borne by the supplier.**
14. **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

**Registrar, IIT Palakkad**

**PORTABLE SURFACE ROUGHNESS TESTER (1 No.)**

<b>S. No.</b>	<b>Description</b>	<b>Specifications</b>
1	Measuring Method	Stylus Method
2	Measuring units	Metric/ inches
3	Stylus Tip radius	1 $\mu\text{m}$ to 5 $\mu\text{m}$
4	Stylus Tip angle	60° to 90°
5	Skid Force	400 mN or less
6	Measuring Force Range	3 mN to 5 mN
7	Measuring Speed	0.1 mm/s to 1 mm/s
8	Drive Speed	0.5 mm/s to 2 mm/s
9	Measuring Range	Z-Axis > 300 $\mu\text{m}$ , X Axis >12 mm
10	Cut off length	$\lambda_c$ : 0.08 to 8 mm
11	Sampling Length	0.08 to 8 mm
12	Application standard	JIS'82, JIS'94, JIS'01, DIN, ISO, ANSI
13	Evaluation parameters	Ra, Ry, Rz, Rt, Rp (More Desirable)
14	Measured Profiles	Primary, Roughness, DF, Filtered Waviness Curve, R- Motif, W-Motif
15	Graph Analysis	BAC And ADC Curves
16	Filter	2CR75,PC75 Gaussian Filter
17	Battery	Two way power supply
18	Functions Desirable	<ul style="list-style-type: none"> <li>a. Calculation,</li> <li>b. Static Processing,</li> <li>c. GO/NO GO judgment</li> <li>d. Measurement Condition Saving</li> <li>e. Data Saving</li> <li>f. Calibration</li> <li>g. Power saving Function</li> <li>h. Height/Tilt adjustment unit for leveling the drive unit prior to make measurement.</li> </ul>
9	Standard Accessories	<ul style="list-style-type: none"> <li>a. Connecting cable</li> <li>b. Nosepiece for plane surface</li> <li>c. Nosepiece for cylinder</li> </ul>

		<ul style="list-style-type: none"> <li>d. Supporting leg</li> <li>e. Calibration Stage</li> <li>f. Stylus pen</li> <li>g. Protection sheet</li> <li>h. Printer paper</li> <li>i. Carrying cases</li> <li>j. Roughness Reference specimen</li> <li>k. AC Adapter</li> <li>l. Screw Drivers</li> <li>m. trap for Stylus pen</li> <li>n. Operational Manual and Quick Reference Manual</li> </ul>
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**Eligibility criteria**

1. The bidder should be either an Original Equipment Manufacturer (OEM) of **Portable Surface Roughness Tester** or should be an authorized representative (provide documentary proof) of an OEM.
2. The bidder should be a company registered under the Companies Act, 1956/2013 OR a Limited Liability Partnership /a registered partnership firm OR a sole-proprietorship entity. Appropriate Registration incorporation certificate must be submitted.
3. The bidder must have a registered office in Karnataka/Tamil Nadu/Telangana/Andhra Pradesh/Maharashtra or Kerala. Certificate of registration for the offices to be provided
4. The bidder must also have a service center in Karnataka/Tamil Nadu/ Telangana/Andhra Pradesh or Kerala. Certificate of registration for the centers to be provided. Details about scope of service activities provided by the service centres must be provided. The contact details of the service engineers must be provided
5. Compliance sheet for the technical specification and OEM Brochure have to be attached along with the Technical bid. Vendor has to fill the compliance sheet and mention page number or reference number in OEM brochure. Unfilled / partially filled sheets lead to disqualification.
6. The bidder must provide detailed specification of each equipment/item. Model numbers, data sheets and brochures must be included for all equipment quoted, system and all accessories. 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.