

	<p>भारतीय प्रौद्योगिकी संस्थान मद्रास चेन्नई 600 036  <b>INDIAN INSTITUTE OF TECHNOLOGY MADRAS Chennai 600 036</b>          भंडार एवं क्रय अनुभाग  <b>STORES &amp; PURCHASE SECTION</b>          Telephone : (044) 2257 8288/8285/8287          email ID-<a href="mailto:adstores@iitm.ac.in">adstores@iitm.ac.in</a>  <b>IIT Madras GSTIN : 33AAAAI3615G1Z6</b></p>	
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**Inviting Quotations for Two CHANNEL AE SYSTEM**

Ref. No. : **APM/AB/2019/007**

Date: **18/2/2020**

Due Date and time: **10/3/2020 : 2.00 pm**

1. Quotations are invited in two bid system for the item shown below/ overleaf/enclosed list and offers/ bid should be submitted as **Technical bid** and **Financial bid**. The **Technical bid** should be put it separate covers and sealed. Both the sealed covers should be put in a single cover.
2. 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.
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. Relevant literature pertaining to the items quoted with full specifications (and drawings, if any) should be sent along with the Quotations, wherever applicable. Samples if called for, should be submitted free of charges, and collected back at the supplier's expenses.
5. Local Firms: Quotations should be for free delivery to this Institute. If Quotations for Ex-Godown delivery charges should be indicated separately.
6. Firms outside Chennai: Quotations should be for F.O.R consignor station, freight charges by passenger train/ lorry transport must be indicated. If Ex-Godown, packing, forwarding freight charges must be indicated.
7. The rate of GST and the percentage of such other taxes legally leviable and intended to be claimed should be distinctly shown along with the price quoted. Where this is not done, no claim for GST/ other taxes will be admitted at any stage and on any ground whatsoever. IIT Madras is eligible for concessional Customs Duty in case of import items and concessional GST @ 5% on IGST and @ 2.5% for CGST and SGST **for procurement of Equipment and Consumables for research purpose**. At the time of Invoicing, please state the concessional GST accordingly. During the supply of item, a certificate to this effect will be issued to your firm.
8. Goods should be supplied carriage paid and insured.
9. Goods shall not be supplied without an official supply order
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.
11. Contact Person Details:
12. The Quotation should be sent to:

**Two channel AE system (Hardware and Software) for sensing various failure signals from biomaterials, metals and composites**

Sl No	Component	Specifications	Qty
1	HARDWARE	<b>Sensor 1:</b> Peak Sensitivity - 55dB Operating Frequency Range - 200-700kHz Dimensions- 5mm diameter, 5mm height	1 No
		<b>Sensor 2:</b> Peak Sensitivity - 75dB Operating Frequency Range - 50-350kHz Dimensions-20mm diameter, 20mm height	1 No
		<b>USB type acoustic emission node as system plug-in:</b> 20MHz Sampling Frequency and 18-bit resolution	1 No
2	SOFTWARE	Adaptable and user-friendly software interface. 2D and 3D plotting capabilities with in-built data clustering options	1 Package
3	ACCESSORIES	Mandatory attachments	1 Set

Sl No	Component	Specifications	Comply Yes/No
1	HARDWARE	<b>Sensor 1:</b> Peak Sensitivity - 55dB Operating Frequency Range - 200-700kHz Dimensions- 5mm diameter, 5mm height	
		<b>Sensor 2:</b> Peak Sensitivity - 75dB Operating Frequency Range - 50-350kHz Dimensions-20mm diameter, 20mm height	
		<b>USB type acoustic emission node as system plug-in:</b> 20MHz Sampling Frequency and 18-bit resolution	
2	SOFTWARE	Adaptable and user-friendly software interface. 2D and 3D plotting capabilities with in-built data clustering options	
3	ACCESSORIES	Mandatory attachments	