

**Sub: Invitation of Tender/Quotation for the Supply of Miniature Accelerators for Research Purpose specifications as per Annexure-I.**

Sealed Tenders are invited by the Registrar, PDPM Indian Institute of Information Technology, Design & Manufacturing Jabalpur for Supply of Miniature Accelerometers for research purpose specifications as per Annexure-I enclosed.

The tender No., closing and opening date of received quotations are as follows:

Tender No.: No. IIITDMJ/P&S/Enq./38 Dated 06/01/2012

Closing Date & Time: 24.01.2012 at 3.00 PM

Date & Time of opening of Tender: 24.01.2012 at 4.00 PM

**General Terms and Conditions:**

1. Sealed pack quotations are invited from reputed suppliers capable of supplying in accordance with the technical specifications given in Annexure-I.
2. **Make:** Any standard make having authenticity certification and has authorized distributor and service center.
3. **The bid: should be in two parts:**
  - (a) **Techno Commercial Bid:** Consisting of technical details & prices complying with the required technical specifications mentioned in Annexure-I.
  - (b) **EMD:** The bidder must submit the EMD (bid security). If the EMD is not found valid in terms of amount and period-wise or otherwise, quotation of the bidder will stand invalid. The quotation and EMD Should be sealed by the bidder in a cover duly super scribed.
4. The quoted rates should be F.O.R. destination i.e. PDPM-IIITDM Jabalpur, Dumna Airport Road, P. O. Khamaria, Jabalpur, Madhya Pradesh - 482005.
5. Payment will be released 90% on delivery and 10% against satisfactory installation/ inspection report.
6. Institute reserves the right to change the quantity as per its requirement at any stage. Further the Institute reserves the right to place order either of all the items

or only some of the above items. The supplier shall have no right to claim any compensation in such case.


7. The earnest money deposit (EMD) should be in the form of Demand Draft in favour of "Registrar, PDPM-IIITDM payable at Jabalpur. The EMD should remain valid for a period of 45 days beyond the final tender validity period
8. Validity of quotation should be upto 90 days from the date of opening of quotation.
9. **Delivery Period:** Delivery of all the items should be completed within 10 weeks from the date of receipt of firm order.
10. **Penalty for delayed Delivery:**  
In the event of delayed delivery, Installation & Commissioning i.e. after the expiry of the period as mentioned in P.O., the vendor shall be liable for a penalty deduction at a percentage of the value of the undelivered equipment subject to a maximum of 7.5% as detailed below:  
@ 1% up to one week;  
@ 2.5% up to two weeks;  
@ 5% up to three weeks;  
@ 7.5% for four weeks and above  
For the purpose of this clause, part of the week is considered as a full week.
11. The quotations should be completed in all respects and cover the cost for the materials of the exact specification and descriptions of the stores as per the annexure-I, otherwise the same shall be ignored.
12. **Authorization Certificate:** In case of distributor of any branded company supplier has to submit authorized Agent/Dealership Certificate issued by their principal against the items quoted.
13. **Warranty:** Warranty should be at least one year from the date of installation of the supplied items. During warranty period the purchaser will not bear the cost of the item (s), which may come as replacement of the original stores or spares as a result of faults noticed at the time of inspection during the warranty period. The Seller/Local Agent is required to eliminate the fault (s) occurring during the Warranty period without delay by improvement or replacement as may be necessary, at their own cost. During warrantee period, the supplier should ensure a maximum downtime of 48 hours from the date/time of the complaint lodge

about the item. The supplier must provide after sales service facility on site during warrantee period.

14. **Inspection & Testing:** Goods will be inspected by the purchaser at his end. Goods rejected on inspection will be replaced by the supplier of cost and all charges for collection and delivery of the same to the Purchaser will be on suppliers account.
15. Director, PDPM-IIITDM, Jabalpur reserves the rights to himself/herself to alter/modify the order at any stage and or to reject any offer without assigning any reason thereof and he is not bound to accept the lowest tender.
16. Any attempt of negotiations direct or indirect on the part of the tenderer with authority to whom he has submitted the tender unless called by the competent authority or any endeavor to secure any interest for an actual or prospective tenderer or to influence by any means, the acceptance of particular tender will render the tender liable to exclusion form consideration.
17. **Eligibility Criteria:** A bidder must have proven track record in supplying the specified items/similar items to the educational institutions/reputed organizations and should be financially sound and should have own showroom & service centre.
18. The Institute reserves the right to reject any or all bids without specifying any reasons thereof.
19. All disputes should be within the jurisdiction of Jabalpur.
20. Kindly enclose pamphlet/brochure of the company along with the quotation showing complete details, technical specifications and quality of the items.
21. Sealed quotation, mentioning "Tender No. IIITDMJ/P&S/Enq./38 at the top of the envelop, should reach on or before 3.00 PM on 24.01.2012 to the Registrar, PDPM-IIITDM Jabalpur, Dumna Airport Road, Post: Khamaria, Jabalpur (M.P.) Pin-482005.
22. Techno Commercial Bid will be opened at 4.00 PM same day (24.01.2012) in case of holiday, technical bid will be opened at the same time on next working day.

  
**Col(Retd.) P S Sandhu**  
**Registrar**

<b>Miniature Accelerometer Specifications</b>	
Sensor	Accelerometer
Type	IEPE
Sensitivity	100 mV/g
Measurement Range	60 g
Destruction Range	8000 g
Frequency Range (F@10%)	1 Hz to 21 KHz
Resonant Frequency	> 42 KHz
Transverse Sensitivity	< 5%
Residual Noise in RMS (0.5 Hz to 20 KHz)	600 $\mu$ g
Residual Noise Densities 0.1 Hz (a n1)	50 $\mu$ g / $\sqrt$ Hz
1 Hz (a n2)	30 $\mu$ g / $\sqrt$ Hz
10 Hz (a n3)	10 $\mu$ g / $\sqrt$ Hz
100 Hz (a n4)	1 $\mu$ g / $\sqrt$ Hz
Constant Current Supply (I Constant)	2-20 mA
Output Bias Voltage (U BIAS)	12-14 V
Output Impedance (@ I Const = 4 mA)	< 100 $\Omega$
Operating Temperature	-20 to 10 deg C
Temp. Coefficient of sensitivity -20 deg C	-0.08 %/K
20-80 deg C	-0.08 %/K
80-120 deg C	-0.11 %/K
Temperature transient sensitivity	.015 ms <sup>-2</sup> /K
Weight Without cable	3.2 gms
Case Material	Aluminum / Stainless steel
Cable connection	Axial
Socket	Subminiature M3
Mounting Thread	M3

T.V.K.   
14/12/2011

