



**Dr. Arvind Kumar**  
Assistant Professor

Enquiry no.: IITK/ME/AK/2015/03  
Enquiry open date: October 30<sup>th</sup>, 2015  
Tender due date: November 12<sup>th</sup>, 2015

## **Enquiry for Vibration Isolation Table**

We are interested to purchase vibration isolation tables. The main features of vibration isolation table are provided below:

### **Optical Top Specifications:**

1. Working Surface: Stainless Steel
2. Surface Flatness:  $\pm 0.1$  mm
3. Size - Length x Width:
  - (a) 1 m x 1 m
  - (b) 1.5 m x 1 m
4. Thickness: approx 200 mm
5. Mounting Holes: Standard
6. Height, Working Surface: approx. 800.0 mm ( $\pm 10$  mm)
7. Maximum Dynamic Deflection Coefficient:  $< 0.5 \times 10^{-3}$
8. Maximum Relative Motion of the Table Top:  $< 0.1$  nm
9. Upgradable to better vibration-damping models: Yes

### **Isolation Leg Specification:**

1. Vertical Resonant Frequency: 1.0 Hz
2. Horizontal Resonant Frequency: 1.5 Hz
3. Amplification at vertical Resonance: 10dB
4. Amplification at horizontal Resonance: 9 dB
5. Maximum Load Capacity (including the set of four): approx 500 kg OR More
6. Height Adjustment:  $>25$  mm
7. Height: approx 590 mm
8. Re-leveling accuracy:  $< \pm 0.3$  mm
9. Air Pressure (Maximum):  $>25$  psi

### **Terms and Conditions:**

- ❖ Provide "Authorization certificate" from the manufacturer, in case the quotation is submitted by an Indian Agent.
- ❖ Prices should be FOB/ CIF up to IITK.
- ❖ Prices should include installation and training cost, and all additional charges including freight, insurance etc.
- ❖ Validity of quotation should be at least for 90 days.
- ❖ Warranty: Two Year or more from the date of Installation and Commissioning.

- ❖ **Scope of supply:** should include free installation and commissioning
- ❖ Promptly make arrangements for repair and / or replacement of any damaged item (s) irrespective of settlement of claim.
- ❖ An undertaking that the vendor will supply all the spares and services for the equipment for at least 5 years from the date of commissioning.
- ❖ Availability of after sales service and support in India. Supplier has to compulsorily indicate details of facilities/expertise/qualification/cost (after guarantee period) of support in India. Factory trained engineers should be available in India for complete product support.
- ❖ Discount: **maximum educational-discount** to be provided.
- ❖ Normal payment terms for the Institute will be applicable (**90%** on delivery of the items and the remaining **10%** after satisfactory installation/ inspection).
- ❖ Delivery must be within 6 weeks. Earlier would be better.
- ❖ In case of any dispute, the decision of the Institute authority shall be final.

Kindly send your best offer (Technical and Commercial offers separately in two envelopes. The Financial Bid should include the detailed price quotation clearly including the cost of the equipment, taxes, service charges if any, shipping and handling charges) so as to reach us on or before November 12, 2015 to the following address. Kindly mention "**Vibration Isolation Table: IITK/ME/AK/2015/03**" on the sealed envelope.

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In case of any queries/ clarifications related to this tender, you may contact Mr. Jitendra Kr Katiyar (+91-9336839742, [jkatiyar@iitk.ac.in](mailto:jkatiyar@iitk.ac.in)).