



INDIAN INSTITUTE OF TECHNOLOGY, KANPUR
GT ROAD, KALYANPUR, KANPUR – 208016
UTTAR PRADESH, INDIA

TENDER REFERENCE NO. : IITK/PHY/KK/CRG/2020/002

BID SUBMISSION END DATE- 28.02.2020

TENDER DOCUMENTS

FOR

“Purchase of Active Vibration Isolation Optical Table”

Department of Physics
Indian Institute of Technology Kanpur
Kanpur (UP) 208016 India

Enquiry date: 07.02.2020

Enquiry No: IITK/PHY/KK/CRG/2020/002

Sealed quotations are invited for ACTIVE VIBRATION ISOLATION OPTICAL TABLE. The detailed specification is described below.

Specifications of the ACTIVE VIBRATION ISOLATION OPTICAL TABLE:

1. **Construction:** The table dimensions must be 1m x 2m x 210 mm. The mass of the table must not be more than 400 kg (without legs). It must have a symmetric isotropic construction in all axes. It must have a 5 mm thick stainless-steel top and bottom plates with 430 grade working surface. It must be optimized for broadband damping.
2. **Mounting holes:** The table must have M6 Tapped Holes on 25 mm Centers. The distance from edge to first holes should be 12.5 mm from table edge on all sides.
3. **Performance:** Maximum deflection coefficient must be less than 0.4×10^{-3} . Maximum relative tabletop motion must be less than 0.14 nm. Stiffness must be less than $1.7 \mu\text{m}$ for a 150 kg load.
4. **Support Legs:** The table must come with four self leveling active pneumatic isolation legs with height greater than 60 cm.
5. **Parameters for the active vibration isolators:**

• Vertical Resonant Frequency	1.25 Hz
• Horizontal Resonant Frequency	1.0 Hz
• Vertical Transmissibility at Resonance	10 dB
• Horizontal Transmissibility at Resonance	12 dB
• Vertical Transmissibility at 5Hz	-20 dB (90%)
• Horizontal Transmissibility at 5Hz	-24 dB (94%)
• Vertical Transmissibility at 10Hz	-32.5 dB (97.5%)
• Horizontal Transmissibility at 10Hz	-30 dB (97%)
• Maximum Load Capacity (set of four)	2500 kg
• Self Leveling Repeatability	± 0.5 mm
• Air Pressure (Maximum)	551 kPa

Terms and Conditions:

1. All equipment must be compatible with Indian electrical standards and codes. Engineering documentation on the physical sizes and weights of all major and minor components must be submitted.
2. Original copy of the manual should be included with quotations.

3. Supplier must have an active support in Kanpur. In the bid, supplier should clearly mention how instrument service and repair time will be minimized. A qualified factory-trained engineer shall conduct on-site installation, commissioning and training
4. The vendor should provide a copy of site-preparation checklist; IIT Kanpur will provide empty space with electricity and AC connections. It will be vendor's responsibility to install the equipment as well as the accessories
5. Warranty & Support: One year comprehensive warranty for the entire system should be quoted. Additional 2 years comprehensive warranty should be quoted in optional.
6. Quotations must be valid for 90 days from the date of issue.
7. Delivery period should be within 10-12 weeks from the date of release of purchase order.
8. IIT Kanpur is fully exempted from payment of GST on Imported Goods against our DSIR certificate.
9. IIT Kanpur is partially exempted from payment of Customs Duty (We will provide Custom Duty Exemption Certificate, CD applicable is 5.5%).
10. Instrument should be provided with necessary toolkits.
11. **The vendor must have supplied similar equipment in reputed Government institutes in India /Abroad and PO copy must be supplied to us with installation report & recent feedback certificate.**
12. The Institute reserves the right of accepting or rejecting any quotations without assigning any reason thereof.
13. All prices should be quoted for F.O.R.

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TENDER ACCEPTANCE LETTER
(To be given on Company Letter Head)

Date: _____

To,

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: _____

Name of Tender / Work: - _____

Dear Sir,

1. I / We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely:

_____ as per your advertisement, given in the above mentioned website(s).

2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No. _____ to _____ (including all documents like annexure(s), schedule(s), etc .), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.

3. The corrigendum(s) issued from time to time by your department/ organisation too have also been taken into consideration, while submitting this acceptance letter.

4. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.

5. I / We do hereby declare that our Firm has not been blacklisted/ debarred/ terminated/ banned by any Govt. Department/Public sector undertaking.

6. I / We certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organisation shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,
(Signature of the Bidder, with Official Seal)