

**DEPARTMENT OF PHYSICS**  
**Indian Institute of Technology, Hauz Khas, New Delhi – 110 016**

**NOTICE INVITING QUOTATION**

Date: 09-02-2015

**Sub: Purchase of Vibration isolated optical workstation (active isolation)**

**NIQ Ref: IITD/PHYS/FEBRUARY/2015-YSRP/ASG/OW**

**Technical Specifications:**

1. Rigid frame design (workstation type) to deliver active isolation platform with superior isolation performance.
2. Length: 3000 mm; Width: 1500 mm or bigger
3. Thickness 8 in. (203 mm)
4. Height, Working Surface: 932 ±12.5 mm
5. Mounting Hole Type: M6-1.0
6. Mounting Hole Pattern: 25 mm grid
7. Borders around Mounting Holes: 12.5 mm
8. Core Design Trussed honeycomb, vertically bonded, closed cell construction, 0.010 in. (0.25 mm) Steel sheet materials, 0.030 in. (0.76 mm) Triple core interface
9. Working Surface 400 Series ferromagnetic stainless steel
10. Surface Flatness ±0.004 in. (±0.1 mm), over 1 m square
11. Height, Frame Assembly: 729 ±12.5 mm
12. Sealed holes with Non-corrosive high impact polymer material
13. Broadband Damping Constrained layer core, damped working surface and composite edge finish
14. Additional tuning with narrowband elastomeric tuned absorbers preferred
15. Horizontal Isolation, Res 0.5 Hz
16. Isolation, Horizontal 10Hz 98 %
17. Vertical Isolation, Res 1.5 Hz
18. Vertical Isolation, 10Hz 98 %
19. Amplification at Resonance, Vert. 9 dB
20. Amplification at Resonance, Horz. 13 dB
21. Max. Air Pressure 1.4-6.0 kg/cm<sup>2</sup>
22. Load Capacity: 932 kg
23. Load per Isolator: 364 kg
24. Horizontal Isolation, 5Hz 88 %
25. Vertical Isolation, 5Hz 88 %

**TERMS & CONDITIONS COVERING SUBMISSION OF QUOTATIONS**

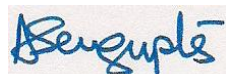
- 1) The power requirements have to be compatible to Indian conditions (230VAC, 50Hz) and all power cables, supplies and required adaptors must be provided.

- 2) **A technical comparison sheet of the offered equipment with the required specifications above.** It is mandatory to attach all datasheets and a pointwise compliance sheet of all the equipment offered. Bids not adhering to the above will be rejected.
- 3) The **Technical Bid must** contain the following details:
- All the required specifications, drawings, etc.
  - Support documents related to previous sale of the above items(s) within India as applicable.
  - List of customers with their After Sales and Service experience documentation
  - The vendor should have a track record of setting up and supporting active isolation optical table workstations and **MUST** provide at least 3 customer references where the system has been installed in India.
  - If the items are of proprietary nature, please provide proprietary certificate from the manufacturer.
  - All INDIAN agents must provide agent certificate, IEC and central sales tax certificate.

- 2. WARRANTY SERVICES:** **Comprehensive** for a Minimum of 36 months
- 3. TOTAL PRICE:** Please quote prices of imported items FOB IIT Delhi. The quotation should provide the total price of the system including all taxes and transport charges. Extra charges such as VAT, Import/ excise duty, Insurance, Documentation, Transportation charges to Delhi, etc. have to be mentioned separately.
- 4. TERMS OF PAYMENT:** **100% post-payment (wire transfer/LC) on delivery and satisfactory installation**
- 5. INSTITUTE'S RIGHTS:** IIT Delhi reserves the rights of acceptance or rejection of any or all quotations.
- 6. VALIDITY OF QUOTATIONS:** Quotations should be valid at least for a period of 6 months.
- 7. SUBMISSION OF QUOTES:** Quotations should be sent in the format as requested, on or before due date of **24/12/2015, 4 PM.**

**Contact Information:**

Dr. Amartya Sengupta  
Department of Physics, IIT Delhi,  
Hauz Khas, New Delhi - 110 016, India.  
Email: [amartya@physics.iitd.ernet.in](mailto:amartya@physics.iitd.ernet.in)  
Phone: [+91 11 2659 1382](tel:+911126591382)



Dr. Amartya Sengupta  
Department of Physics, IIT Delhi.