

Indian Institute of Technology Kanpur

Department of Electrical Engineering

Enquiry No: IITK/EE/GR/2015/1

Enquiry Date: 04/12/2015

Closing Date: 20/12/2015

Sealed quotations are invited for an optical table top with four vibration isolator legs and air compressor.

- **Optical Table Top Specifications**

Damping	Tuned Mass Damping
Measurement system	Metric
Working Surface	Stainless steel
Surface Flatness	± 0.1 mm
Length	2400 mm (or 8 feet)
Width	1200 mm (or 4 feet)
Thickness	> 300 mm but < 310 mm
Mounting Holes	M6 on 25 mm grid
Core Design	Honeycomb cells
Maximum Dynamic Deflection coefficient	$< 1 \times 10^{-3}$
Maximum relative motion	< 0.25 nm

- **Vibration Isolation Legs Specifications**

Damping	Laminar flow damping
Self-centering	Available
Horizontal Resonant frequency	1.5 Hz
Vertical Resonant frequency	1 Hz
Amplification at Horizontal Resonance	9 dB
Amplification at Vertical Resonance	10 dB
Horizontal Isolation at 5 Hz and 10 Hz	$> 80\%$ and 90%
Vertical Isolation at 5 Hz and 10 Hz	$> 90\%$ and 95%
Re-levelling Accuracy	better than ± 0.3 mm
Height Adjustment	> 25 mm
Height	≥ 700 mm
Maximum load capacity (set of four)	> 3000 kg

- **Air Compressor:** Must be compatible with the vibration isolation legs.

Terms and Conditions

- Quote should be made in two parts: Technical bid and Financial bid, separately in sealed envelopes.
- Financial bid for the product whose technical bid is not acceptable will not be opened. Any quote with the financial bid included in the technical bid will be summarily rejected.
- The sealed envelopes with the quotes should be superscribed with the inquiry number and whether it is a technical or a financial bid.
- Quotations should not be an exact copy of the specifications mentioned above.
- The delivery period should be specifically stated.
- Warranty should be explicitly mentioned.
- The bidder must be authorized by the manufacturer or OEM to supply, install and maintain the system. Specific authorization by the manufacturer for participating in this tender has to be enclosed with the technical bid. reason.
- The indenter reserves the right to cancel the tender without any reasons. The right to reject all or any of the quotations and to split up the requirements or relax any or all of the above conditions without assigning any reason is reserved.
- **Manufacturer's printed brochure must be enclosed as a proof of technical specifications.** Anything not mentioned on the brochure may be treated as not present in the product.
- Attach compliance sheet and complete details of the products.

For Delivery to IIT Kanpur

- Maximum educational discounts should be applied. This equipment will be used in a laboratory that will support research as well as teach and train students.
- The price should include delivery, installation, taxes and other charges (training etc). All prices are to be for IIT Kanpur.
- Quotes should have a minimum validity of 60 days.
- Our standard payment terms are 90% against delivery and 10% after installation/inspection and approval.

Address quotations to:

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