

Department of Physics
Indian Institute of Technology Delhi

Date 06/11/2013

Sub: NOTICE FOR INVITING QUOTATIONS (NIQ) FOR Vibration isolation optical table with a set of four vibration isolators with a compatible air compressor and accessories.

The Department of Physics, Indian Institute of Technology Delhi requires Vibration isolation optical table with a set vibration isolators and a compatible air compressor. Kindly send Technical and commercial bids in the separate sealed envelopes. Your bids must reach the address given below on or before **29-11-2013 (Friday)**.

Specifications:

Name of the item	Specifications
a. Vibration isolation optical table	<ol style="list-style-type: none"> 1. Vibration isolation table top size ~ 8 ft. x 4 ft 2. Table Thickness $\geq 12''$ 3. Mounting holes: M6 holes on 25 mm grid 4. Surface flatness $\sim \pm 0.1$ mm over 1 m^2 area or better 5. Hole Sealing with non-corrosive high impact material 6. Max. Dynamic Deflection Coefficient $\sim 0.8 \times 10^{-3}$ or better. 7. Max .Relative Motion Value between two extreme points on the table at the natural frequency < 0.14 nm ($< 8.0 \times 10^{-9}$ in.) 8. Deflection under Load (of ~ 100 kg) $< 1.5 \mu\text{m}$
b. A set of four vibration isolator	<p>A set of vibration isolator support (a set of four supports automatic relaveling)</p> <ol style="list-style-type: none"> 1. Height ~ 25 to 30 in. (each) 2. Load capacity ≥ 2500 kg (set of four) or ≥ 600 kg per isolator. 3. Self Re-leveling Repeatability $\sim \pm 0.02$ in. or better 4. Air Pressure Maximum ≥ 80 psi. 5. Vertical resonant frequency ≥ 1.0 Hz 6. Horizontal Resonant Frequency ≥ 1.0 Hz 7. Vertical isolation efficiency at 5 Hz $\sim 90\%$ and at 10 Hz $\sim 95\%$ 8. Horizontal Isolation efficiency at 5Hz $\sim 85\%$ and at 10 Hz $\sim 95\%$.
c. Air compressor for Pneumatic isolators	<p>A compatible low noise (~ 40 dB at 1 m) air compressor with Max. air pressure ~ 120 psi, with automatic turn on switch. Compatible with 220 V/50Hz.</p>

Terms and conditions covering submission of quotations:

- Supply all technical specifications including model number and make.

- Kindly quote the rates for F.O.B New Delhi prices.
- Validity of the quotation should be at least for a period of three months.
- Clearly indicate whether the prices are inclusive of all taxes. Otherwise indicate all taxes separately.
- Letter from manufacturer to be attached for authenticity of dealership/agency.
- The technical and financial bids should be sealed in separate envelopes before putting them together in the sealed cover.
- Payment terms: Letter of credit OR Payment against delivery (Wire Transfer after receipt of item).
- Submit quote for Indian Rupees and US Dollars Separately.
- Warranty: one year or more.
- Items covered in the warranty and warranty Period.
- The Institute has the right to accept or reject any or all quotations without assigning any reason for it.
- Quotations should be sent to

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