

Tender Notification for the procurement of a research grade vibration isolation optical table for optical imaging and spectroscopy at IISc (Last Date for submission of tenders: 4<sup>th</sup> June' 2020)

REF: PH/ASIN/320/2020-21

7<sup>th</sup> May, 2020

Dear Sir/Madam,

Kindly send best/lowest quotation for the following items on **C.I.P. Bangalore basis**. The quotation should clearly indicate the terms of delivery, delivery schedule, E.D., transportation charges, if any, payment terms etc. Kindly submit the quotation latest by 4<sup>th</sup> June, 2020 by email or post.

**Specifications of Item:** Research grade vibration isolation optical table of dimensions 2400\*1800 and thickness 300 mm, supported by tie-bars supports, with the following specifications:

1. Dimensions: 2400\*1800\*300 mm (or 8feet\*6feet\*12inches), thickness in the range 300-320mm.
2. Mounting Holes: M6 with 25mm spacing
3. Core: Steel honey-comb, closed cell, >0.01 inch thick foil
4. Stainless steel top thickness  $\geq 4.5$  mm
5. Dynamic deflection coefficient  $< 4 \times 10^{-4}$
6. Maximum relative motion  $\leq 2.5 \times 10^{-7}$  mm
7. Weight of optical tabletop (without tie-bar supports) greater than 650 kg
8. Surface flatness  $\leq 0.13$  mm (or 0.005 inch) over 600 mm<sup>2</sup>, all over the table
9. Pneumatic support with height = 600mm, in tie-bar geometry and at-least four posts. The supports should be gimbal piston isolators with tie-bars, or active pneumatic isolation frame supported by tie-bars.
10. Vertical resonant frequency  $< 1.5$  Hz, Horizontal  $< 1.5$  Hz
11. Vibration isolation efficiency @5 Hz: Vertical  $> 80\%$ , Horizontal  $> 80\%$
12. Vibration isolation efficiency @10 Hz: Vertical  $> 90\%$ , Horizontal  $> 90\%$
13. One-year warranty.
14. The vendor should have a track record of having previously supplied at-least three similar equipment (research grade optical tables) in India (please furnish the details) in the past three years. It would be desirable to provide 2-3 reference letters from customers in India.
15. Please quote cost of a) CIF-Chennai with ICD Bangalore, and b) CIP Bangalore (by air) separately.

**Options to be quoted separately**

1. Compatible air compressor with low noise and be able to supply 80psi nitrogen (or higher), and at-least 3liter capacity. All necessary air filters/regulators and valves should be supplied along with compressor.

**Terms and conditions:**

1. The vendor should have qualified technical service personnel for the equipment based in India (preferably in Bangalore).
2. The payment will preferably be through confirmed irrevocable Letter of Credit.
3. Any discount for payment terms: wire transfer in advance, should be mentioned in the quotation.
4. The lead time for the delivery of the equipment should not be more than 4-5 months from the date of receipt of our purchase order, or opening of irrevocable letter of credit (whichever is later).

Yours Sincerely,



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