

Request for quotation (RFQ) from Indian OEM or its authorized Indian Distributor for the procurement of a research grade vibration isolation optical table (L-shaped) (Last Date for submission of tenders: 28<sup>th</sup> December'2023)

REF: PH/ASIN/003/2023-24

7<sup>th</sup> December'2023

A request for quotation from Indian OEM or its authorized Indian distributor for a research grade vibration isolation optical table (L-shaped) on **FOR Bangalore basis with value quoted in INR**. 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 28<sup>th</sup> December'2023 to Department of Physics, IISc.

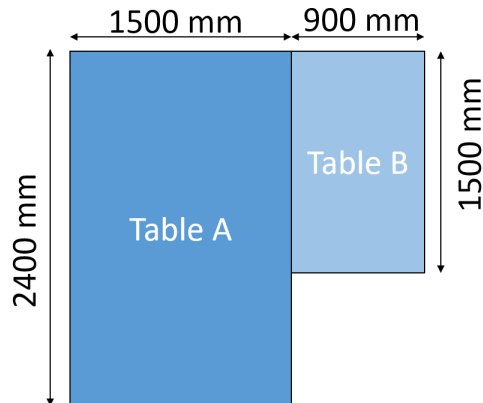
### Pre-bid criteria

1. With respect to this tender, the rules laid out by the Government of India in order No. P45021/2/2017-PP (BE-II) issued by the Public Procurement Section, Department of Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, dated 04th June 2020, will be followed. Per this order, the government has defined a 'Class-I local supplier' as "a supplier or service provider, whose goods, services or works offered for procurement, has local content equal to or more than 50%". A 'Class-II local supplier' is "a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%". Only 'Class-I' and 'Class-II' local suppliers are eligible to participate in this open domestic tender.
2. Any 'non-local supplier', i.e., "a supplier or service provider, whose goods, services or works offered for procurement, has local content less than 20%" is ineligible to participate in this tender.
3. The vendor should have a track record of having previously supplied at-least four similar equipment (joined research-grade optical-tables) or ten research-grade optical-tables to CFTI's (centrally funded technical institutes) and National labs in the past three years, please furnish the details with the bid.
4. Please include 2-3 reference letters from customers in India, or relevant purchase orders.
5. The company should have been registered for more than 5 years.
6. The bidder shall have to submit audited accounts (Balance sheet profit and loss account) for the financial years 2019-20, 2020-21, 2021-22, 2022-23. Audited statements must be signed and stamped by a qualified chartered accountant.
7. Bidder must submit Income Tax returns for the above assessment years.
8. Details of an experienced service engineer responsible for installation, including contact detail, should be provided.

Please enclose a compliance certificate along with the bid. This certificate should have a table that should describe your compliance in a "Yes" or "No" response against each of the items in the specifications listed below. If "No", the second column should state the extent of deviation. The third column should state the reasons for the deviation if any. Please enclose a compliance statement along with the technical bid. Bids with no statement of compliance will be considered invalid, and will be disqualified.

**Specifications of Item:** One research grade vibration isolation optical table (L-shaped) consisting of joined tables of dimensions (A) 2400\*1500mm and (B) 1500\*900mm, both with thickness 300 mm, supported by appropriate vibration isolation systems, with the following specifications:

1. L-shape geometry with schematic below



2. Dimensions of tabletop: (A) 2400\*1500\*300 mm (8feet\*5feet\*12inches) + (B) 1500\*900\*300 (5feet\*3feet\*12inches), thickness in the range 300-320mm.
3. Suitable joiner system/steel joiner plate (with dimensions similar to 1500mm\*300mm) to join the tables. A typical joiner plate consists of male and female portions, with alignment pins and/or lock-nuts. No additional accessories (on the customer side) should be needed to join the tables. Any other type of external coupling on the surface level using metal plates/welding will NOT be considered. Joining should not disturb the individual surface flatness.
4. Mounting Holes: M6 with 25mm spacing.
5. Core: Steel honey-comb, closed cell, >0.01 inch thick foil.
6. Stainless steel top thickness  $\geq 4$  mm
7. Surface flatness  $\leq 0.13$  mm (or 0.005 inch) over  $600 \text{ mm}^2$ , all over the table.
8. Dynamic deflection coefficient  $< 4 \times 10^{-4}$
9. Maximum relative motion  $\leq 2.5 \times 10^{-7}$  mm
10. Accuracy of levelling repeatability with standard levelling valve better than 1.3 mm.
11. Combined weight of optical tabletops (without supports) greater than 750 kg.
12. Optical table support system should have height = 600 mm. The supports should be gimbal piston isolators with tie-bars, or active pneumatic isolation frame supported by tie-bars, or free-standing pneumatic isolation posts.
13. Vertical resonant frequency  $< 1.5$  Hz, Horizontal  $< 1.5$  Hz
14. Vibration isolation efficiency @5 Hz: Vertical  $> 80\%$ , Horizontal  $> 80\%$
15. Vibration isolation efficiency @10 Hz: Vertical  $> 90\%$ , Horizontal  $> 90\%$
16. Low-noise compressor (able to supply 80psi nitrogen) for floating the table with low noise  $< 30\text{dB}$ , tank capacity in the range 3-5 liters. All necessary air filters/regulators and valves should be supplied along with the compressor.
17. Hands-free (automated) operation of the compressor.
18. Datasheets for specifications #7-16 need to be included.
19. One-year warranty for table and compressor.
20. Please include pictures of the exact model being offered.

**Options (please quote separately):**

1. Additional 2-year warranty (for a total of two years). Clear coverage scope to be mentioned.

**Terms and conditions:**

1. The vendor should have qualified technical service personnel for the equipment based in India (preferably in Bangalore).
2. Quote to be from Indian OEM or its authorized Indian Distributor and in commercial terms quote should be FOR-IISc Bangalore basis in INR.
3. The payment will be through “net 30 days after delivery and installation”, as per IISc rules.

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Webpage: [www.physics.iisc.ac.in/~aksy/](http://www.physics.iisc.ac.in/~aksy/)

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.
5. The offer shall be valid at-least 60 days from the date of opening of the bid.
6. The vendors quoting should ideally be registered with IISc, and the quote should carry the vendor registration number in the bid.
7. The covering letter in the bid should clearly mention whether the vendor is a 'Class I' local supplier or a 'Class II' local supplier, failing which the vendor will be automatically disqualified. The vendor should indicate the percentage of the local content and provide self-certification that the items offered meet the minimum local content requirement. They should also give details of the location(s) at which the local value addition was made. Any 'Non-local supplier', i.e., "a supplier or service provider, whose goods, services or works offered for procurement, has local content less than 20%" is ineligible to participate in this tender.
8. Bidders offering imported products will fall under the category of non-local suppliers. They cannot claim themselves as Class-1 local suppliers/Class-2 local suppliers by claiming the services such as transportation, insurance, installation, commissioning, training, and other sales service support like AMC/CMC, etc., as local value addition.
9. Purchase preference as defined by the recent edits to GFR (within the "margin of purchase preference") will be given to the Class-1 supplier.
10. MSMEs can seek an exemption to some qualification criteria. IISc follows GFR2017 for such details.

Yours Sincerely,

A handwritten signature in blue ink, appearing to read "Akshay", is placed below the text "Yours Sincerely,".

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