

Ref No : PUR/IMP/OT/ADITYA/VSN/15/2013-14.

March 12, 2014.

M/s.

Dear Sir/s,

The Director, Indian Institute of Astrophysics, Bangalore, invites Sealed Tenders Two bid system (price bid & technical bid) for the Import of **“Supply and Installation of Clean room compatible Optical Table with vibration isolation system (ISO 14644-1 class 5 or better) as per the Technical Specifications Annexed”**. The terms and conditions may be noted from IIA Website and if you are in a position to quote for the supply in accordance with the requirements, please submit your quotation. The Tender documents and other details are available on IIA web site www.iiap.res.in/tenders.htm

The Tender bids must be in foreign currency only. Your completed Tender bid both Technical bid and Commercial bid must reach our office on or before 11/04/2014 by 15 00 hrs. The bid must be in a separate Sealed envelopes duly super-scribed with the name of the supply, the Due Date and all the envelopes kept in a big envelopes mentioning the supply, must reach this Office within the Due Date and time. The Technical bid will be opened in the presence of the bidders or their authorized representative of the Company by 15.30 hrs on 11/04/2014. The Commercial bid will be opened only those vendors quotes qualify in Technical Evaluation. The opening of commercial bid date will be intimated later. Incomplete Bids are liable for rejection.

For Technical clarifications you may contact during Office hours Shri Venkatesh Suresh Narra (Phone No.2254 1393) and for Commercial clarifications can be had from Shri Y.K.Raja Iyengar, Purchase Officer (Phone No.2254 1244).

Thanking you,

Yours faithfully,

Y.K.Raja Iyengar
Purchase Officer

**GLOBAL TENDER DOCUMENT No : PUR/IMP/OT/ADITYA/VSN/15/2013-2014.
DT : 12/03/2014.**

TENDER FORM

FROM:

TO

THE DIRECTOR
Indian Institute of Astrophysics,
Bangalore - 560 034.

Sir,

I/We hereby offer to supply the Items/Equipment indicated below at the price hereunder quoted and agree to hold this office open till . I/We shall be bound to supply the items/Equipment hereby offered upon the issue of the Purchase Order communicating to the acceptance thereof on or before the expiry of the last mentioned date. You are at liberty to accept any one or more of the items such Items/Equipment. I/We not withstanding that the offer in this tender has not been accepted in whole, shall be bound to supply such items and such portion or portions of one or more of the items as may be specified in the said Purchase order communicating the acceptance.

S No. Description of the item(s) Qty. Unit Rate Dely. Period

1. Supply and Installation of Clean room compatible 1 No.
Optical Table with vibration isolation system
(ISO 14644-1 class 5 or better) as per the Technical Specifications Annexed".
Installation site is at IIA Campus, CREST, Hosakote. (40 km from Bangalore)

(Tender bid should be submitted in Foreign currency only)

Place at which the Delivery is required : Indian Institute of Astrophysics
Bangalore - 560 034.

Date by which the supplies are required : 4 weeks from the date of order.

2 I/We have understood the items of the tender annexed to the invitation to the Tender and have thoroughly examined the specifications/drawing and / or pattern quoted or referred to herein and / are fully aware of the nature of the items/ Equipment required and my / our offer is to supply the items/ Equipment strictly in accordance with the requirements subject to the terms and conditions contained in the Purchase order communicating the acceptance of this tender either in whole or in part.

Date :

Signature and Seal of Supplier

Annexure - A

INSTRUCTIONS TO SUPPLIERS

1. Tenders should be sent in a sealed and super-scribed envelopes with mention of Tender No. date and date of opening. Only one Tender should be sent in each envelope.
2. Late and Delayed tender will not considered at all.
3. Duties, Taxes where legally leviable and intended to be claimed should distinctly shown separately in the Tender.
4. a) Your quotation should be valid for 90-120 days from the date of opening of Tender.

b) Prices are required to be quoted according to the units indicated in the annexed tender form. When quotations are given in terms of units other than those specified in the Tender from, relationship between the two sets of units must be furnished.
5. a) All available Technical Literature(s), Catalogue(s) and other data in support of the specifications and details of the item(s) should be furnished along with the offer.

b) Approximate net and gross weight of the items offered shall be indicated in your offer. If dimensional details are available the same should indicated in your offer.

c) Air freight/sea freight charges up to Bangalore Airport may be sent along with the offer.

d) Specifications:

Items / Equipment offered should strictly conform to our specifications. Deviation, if any should be clearly indicated by the Supplier in their quotation. The supplier should also indicate the Make / type No. of the stores offered and provide catalogue(s), Technical literature(s) and sample(s), wherever necessary along with the quotations. Test certificates wherever necessary should be forwarded along with the supplies. Whenever options are called for in our specifications, the Supplier should address all such options. Wherever specifically mentioned by us, the Supplier could suggest changes to specifications with appropriate response for the same.

1. Corrections, if any, must be attested. All amounts shall be indicated both in words as well as in figures. Where there is difference between amounts quoted in words and figures, amount quoted in words shall prevail.
2. The supplier should supply along with the tender, the Banking information for payment or any other purpose.
3. A complete set of instruction and operation manual should be supplied.
4. Final performance should be guaranteed.

TERMS AND CONDITONS OF CONTRACT

1. DEFINITIONS:

- a) The terms 'Purchaser' shall mean the Director, Indian Institute of Astrophysics, Bangalore - 560 034.
- b) The term 'Supplier' shall mean, the person, firm or company with whom or with which the order for the supply of Items / Equipment is placed.
- c) The terms 'Purchase Order' shall mean the communication signed on behalf of the Purchaser by an officer duly authorized intimating the acceptance on behalf the Purchaser on the terms and conditions mentioned or referred to in the said communications accepting the tender or offer of the supplier for supply of Items/Equipment.

2. PRICES:

The price may please be indicated on unit basis only.

Duty Exemption:

Please note that we may issue "Customs duty Exemption Certificate", if acceptable under the Govt. of India notification No.51/96 valid till 2016.

3. GUARANTEE AND REPLACEMENT:

The Supplier shall guarantee that the Items/Equipment supplied shall comply fully with the specifications laid down, for material workmanship and performance. The Guarantee should be for a period of one year minimum from the date of supply.

4. PACKING, FORWARDING AND INSURANCE:

The Contractor will be held responsible for the stores being sufficiently and properly packed for transport by air / Sea to withstand transit hazards ensure safe arrival at the destination. The packing and marking of packing shall be done by and at the expenses of the contractor. The Purchaser will not pay separately for transit insurance, all risks in transit being exclusively of the supplier and the Purchase shall pay only for such Items/Equipment as are actually received in good condition, in accordance with contract.

5. TEST CERTIFICATE:

Wherever required Test Certificate should be sent before dispatch of the items.

6. ACCEPTANCE OF ITEMS / EQUIPMENT:

a)It is expressly agreed that the acceptance of Items/Equipment, is subject to final approval by the Purchase, whose decision shall be final.

7. **DELIVERY PERIOD:**

Delivery is the essence of the contract. The supplier should adhere to delivery schedule as indicated in the Purchase order.

8. **EXTENSION OF DELIVERY TIME:**

As soon as it is apparent that Supplier dates cannot be adhered to, an application shall be sent by the Supplier to the Purchaser. If failure, on the part of the Supplier to deliver the Items/Equipment in proper time shall have arisen from any cause which the Purchaser may admit as reasonable ground for an extension of the time (and his decision shall be final he may allow such additional time as he considers it to be justified by the circumstances of the case). In case of Letter of Credit the banking charge for the LOC amendment will be on suppliers account.

9. **PAYMENT:**

Preference will be given to the supplier whose payment terms is on Site Draft.

10. **SECURITY FOR PAYMENT:**

Successful Supplier will have to furnish in the form of a Bank Guarantee or any other form as called for by the Purchase towards any payments before supply of items/equipment. In case of payment through Letter of Credit the Banking charges outside India and inside India will be on suppliers account.

11. IIA reserves the right to reject any or all the Tenders without assigning any reason.

Technical Specifications : Clean room compatible Optical Table with vibration isolation system (ISO 14644-1 class 5 or better)

Optical Table Technical specifications of the components with codes and standards if any:

Dimensions (LxWxT)	: 6000mm X 1500mm X 457mm
Mounting holes	: M6 holes on 25 mm grid
Surface Flatness	: $\leq \pm 0.1$ mm over 600 mm X 600 mm square,
Working Surface	: Ferromagnetic stainless steel
Top and Bottoms Skins	: 4.8 mm thick with integrated damping layer
Core Design	: Trussed honeycomb, vertically bonded closed cell construction
Hole/Core Sealing	: Easy clean conical cup 19 mm deep, Non-corrosive high impact polymer material
Broad Band Damping	: Constrained layer core, damped working surface and composite edge finish
Maximum Dynamic Deflection Coefficient	: 0.8×10^{-3}
Maximum Relative Motion Value (mm)	: $< 2 \times 10^{-7}$
Deflection Under Load (mm)	: $< 1.3 \times 10^{-3}$

Isolator Specifications:

Height	: ≈ 406 mm
load per isolator	: ≈ 900 kg
releveling accuracy	: $\pm .250$ mm
Self Centering	: Yes
Max. Air Pressure	: 20-85psi
Vertical Isolation, Res	: 1Hz
Vertical Isolation,5Hz	: 94%
Vertical Isolation,10Hz	: 98%
Horizontal Isolation, Res	: 1.5Hz
Horizontal Isolation,5Hz	: 94%
Horizontal Isolation,10Hz	: 98%
Amplification at Resonance, (Vertical)	: 10dB
Amplification at Resonance, (Horizontal)	: 9dB

Note:

Supplier MUST provide the following details along with technical bid without fail,

1. Cleanroom compatibility certificate of the quoted model of optical bench, isolators as well as associated components.
2. List of Indian customers those who are using the quoted model in cleanroom environment.

Eligibility criteria of vendor:

Vendor must have the knowledge, infrastructure and heritage for manufacturing the clean room compatible vibration isolated optical tables and associated isolators.

Expected deliverables:

1. 6000mm X 1500mm (LxW) ISO 14644-1 class 5 (or better) cleanroom compatible optical table with vibration isolation system.
2. Installation by the supplier at Prof. MGK Menon Laboratory, CREST Campus, Hosakote.

Expected Delivery Schedule: 2-3 Months