

Ref No : PUR/IMP/GT/RKB/14-15

February 19, 2015

Dear Sir/s,

The Director, Indian Institute of Astrophysics, Bangalore, invites Sealed Tenders for the Import of “**Opto-mechanical components**” as per our specifications in ‘Annexure - B’. 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 bids must reach our office on or before 24/03/2015 by 15 00 hrs. The bids must be in a Sealed envelope duly superscribed with the name of the supply and Due Date mentioning the supply must reach this Office within the Due Date and time. The bids will be opened in the presence of bidders or their authorized representative of the Company by 15.30 hrs on 24/03/2015. Incomplete Bids are liable for rejection.

For any Technical clarifications you may contact during Office hours Dr. Ravinder Kumar Banyal (Phone No.2254 1438) and for any commercial clarifications can contact Shri Y.K.Raja Iyengar, Purchase Officer (Phone No.2254 1244).

Thanking you,

Yours faithfully,

Y.K.Raja Iyengar
Stores & Purchase Officer

GLOBAL TENDER DOCUMENT No : PUR/IMP/GT/RKB/14-15.
DT : 19/02/2015.
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 notwithstanding 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.

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

- 1. Opto-mechanical components as per the Specifications and quantity list attached in Annexure B .

Tender bids should be in Foreign currency only.

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Place at which the Delivery is required : Indian Institute of Astrophysics,
Bangalore -34

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

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 envelope and superscribed by mentioning of Tender Number and date of opening. Only one Tender should be sent in each envelope. Tender bids must reach our Office on or before: 24/03/2015 by 15: 00 hrs. The bids must be in a sealed envelope duly superscribed with the name of the supply and Due Date. The bids will be opened in the presence of bidders or their authorized representative of the Company by 15.30 hrs on 24/03/2015. Incomplete Bids are liable for rejection.
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 form, 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 IIA, Bangalore/ 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 CONDITIONS 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 & Excise duty exemption certificate" under the Govt. of India notification No.51/96 & No.10/97 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 adhered to delivery schedule as indicated in the Purchase order.

8. EXTENTION 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 term is on Site Draft or Credit basis.

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.

Stores & Purchase Officer
IIA, Bangalore - 34.

Annexure : B - Specifications and quantity details:

Optics & opto-mechanical items (Metric standards)

S.No.	Item	Description	Quantity
1	Mirror	Broadband Mirror, 25.4 mm dia, thickness 4-7mm, surface flatness $\lambda/10$, range 500-700 nm	10
2	Mirror mount	Laboratory grade mirror mount to hold 25.4mm optics, θ_x , θ_y knobs, aluminum anodized	10
3	Post holders-1	Universal post holders to hold 12.5mm dia posts, spring loaded, height about 4 cm,	6
4	Post holders-2	Universal post holders to hold 12.5mm dia posts, spring loaded height about 6 cm.	6
5	Post holders-3	Universal post holders with Pedestal base to hold 12.5mm dia posts, height 4-5 cm.	4
6	Post holders-4	Universal post holders with Pedestal base to hold 12.5mm dia posts, height 6-8 cm.	4
7	Post holder base	Mount /clamp for the post holder with open slot, M6 hole	10
8	Posts-1	Stainless steel, 12.5 dia, M4/M6 threads, length \approx 38 mm	5
9	Posts-2	Stainless steel, 12.5 dia, M4/M6 threads, length \approx 50 mm	5
10	Posts-3	Stainless steel, 12.5 dia, M4/M6 threads, length \approx 76 mm	5
11	Posts-4	Stainless steel, 12.5 dia, M4/M6 threads, length \approx 100 mm	5
12	Posts	Stainless steel, 12.5 dia, M4/M6 threads, length \approx 150 mm	5
13	Post clamp	Right angle, for 12.5 dia post	4
14	T-post clamp	In-line T clamp for 12.5 dia post	4
15	Filter clamp	Post mounted, M6 threaded for holding thin optics	4
16	Base plate	Universal base plates, 50 mm x 75 mm x 10 mm	5
17	Base clamps	adjustable high, short length, M6 Tapped Holes	10
18	Rails-1	Dovetail optical rails 300 mm	2
19	Rails-2	Dovetail optical rails 150 mm	2
20	Linear stage	x-y linear stage with micrometer, travel range 10-15 mm, ball bearing, load capacity 10-15 lb.	2
21	Irish	Irish diaphragm, 1mm-25mm aperture	2
22	Screw kit	Assorted Stainless Steel Screw Kit M4/M6	1
23	Base	Graduated magnetic base or beam block	2
24	Alignment disk	Alignment Disk with graduations for visible light	1
25	Lens mount-1	Fixed lens mount with retaining ring for 25.4 mm dia	10
	Lens mount-2	Self-Centering Lens Mount for dia 4-45mm, M4 Tap	2
26	Lens tubes	Lens tube for 25.4mm optics with internal and external threading + retaining ring, tube length \approx 50 mm	2
27	Fixture	Optic Cleaning Fixture for 5mm-30mm optics	1

28	Lens mount-2	Adjustable Lens Mount for 6mm-30mm optics	4
29	Rot Mount-1	Rotational mount (360 deg) for 1-inch optics	2
30	Rot Mount-2	Rotational mount (360 deg) for 0.5-inch optics	2
31	Tweezer	Optic Tweezers with Stainless Steel Body and Carbon-Fiber Tips	1
32	Black Masking Tape	25mmx55mm	1
33	Fiber patch-1	Core 400 μm 0.39 NA FC/PC-FC/PC Cable 2 m	2
34	Fiber patch-2	Core 100 μm 0.22 NA FC/PC-FC/PC Cable 2 m	1
35	Fiber patch-3	Core 10 μm 0.22 NA FC/PC-FC/PC Cable 2 m	1
36	Fiber patch-4	Single mode, Cable 2 m, 600-800 nm, FC/PC	1
37	Photodetector	Si-photodetector, biased, area 12-15mm ² , rise time < 15ns	1
38	Light source	A stabilized halogen light source for 300-2600 nm, with fiber coupling + replacement bulb + collimation package	1 each
39	NDF	Absorptive ND Filter, 25.4mm dia, Mounted OD: 0.1, 0.5, 1.0 and 3.0	1 each
40	Beam splitter	Plate Beamsplitter Coating: 350 - 1100 nm t = 5 mm, dia 25.4mm	2
41	Wrench	Spanner wrench graduated, Length 6-10 cm length	1
42	Align tool	Alignment disk for optical alignment	1
43	Bi-Convex Lens	N-BK7 lens, λ 350-700nm, dia 25.4mm, focal length: 50, 100, 250, 500 , 1000mm	2 each
43	Plano-convex	N-BK7 lens, λ 350-700nm, dia 25.4mm, focal length: 50, 100, 250mm.	1 each
44	M4 screw	M4 Stainless Steel Cap Screw, length 10mm, 16mm, 20mm	25 each
45	M6 screw	M6 Stainless Steel Cap Screw, length 10mm, 16mm, 20mm	25 each

Shack-Harmaan Wavefront Sensor

1	Laboratory grade WFS	High speed Shack-Hartman wave-front sensor (CMOS, $\approx 1\text{k} \times 1\text{k}$ format, frame rate $\approx 1\text{kHz}$) with 150 μm Pitch and 300 μm Pitch AR-Coated Microlens array, effective focal length 5-20mm + trigger cable, control software/LabView libraries	1 unit
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