

TATA INSTITUTE OF FUNDAMENTAL RESEARCH
Homi Bhabha Road, Colaba, Mumbai – 400 005.
A Deemed University

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Date: 30.01.2018

Notice Inviting Tender cum Tender Document (Two Part Limited Tender) for the following items:

Sr.No.	Particular	Qty.
1	Cryogenic Cloased Cycle Probe Station (As per our technical specifications)	1 No.

Tender No.	TIFR/PD/IC17-89/171736
Published on	30/01/2018
Tender Fees	For Indian Supplier - Rs. 500/- For Foreign Supplier - USD 100/-
EMD	For Indian Supplier - Rs.1,10,260/- For Foreign Supplier -USD 1,650/-
Estimated Cost	Rs.55.13 Lakhs
Type of Tender	Two Part Limited Tender
Last date for Submission of Bid	16/02/2018 on or before 17.30 hours
Date of Opening Bids (Part-A)	19/02/2018 on 15.00 Hours

Both Technical Bid (Part A) and Financial Bid (Part B) to be submitted within the due date and time in separate envelopes and marked on top as Part A and Part B. These two sealed envelopes should be further put in one Master Envelope superscribed with the Tender No., Due Date in Bold Letters.

Please see attached sheet for conditions of tender.

ADMINISTRATIVE OFFICER
(PURCHASE SECTION)
TIFR, MUMBAI

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Cryogenic Closed Cycle Probe Station Technical Specifications

- two micro-manipulated probes for 2-inch wafer probe station; two additional blanked ports for up gradation with more probes in the future.
- Closed cycle refrigerator: <10 K (base); 10 K to 350 K (control); heaters: sample stage: 100 W, 2nd stage: 50 W, 1st stage: 100 W
- Temperature stability: 15 K to 350 K with accuracy of 10 mK
- 3 W cooling power at 10 K
- Please provide cool down time details under no-load conditions
- Please provide the optimal piping length between compressor and cry cooler that will allow us to realize the other specifications.
- One integrated temperature controller for monitoring all parameters
- Radiation shield completely surrounds sample; IR absorbing viewport
- vacuum at base temperature $<1 \times 10^{-5}$ Torr
- Vibration at sample: <2 micrometer (please provide details)
- Support stand: Low vibration with integrated passive vibration isolation and dampening
- Electrical isolation >100 GOhm for low leakage measurements
- probes that work upto atleast 1GHz and 10 spare probes to be provided
- Five temperature sensors: one probe arm, sample stage, closed cycle refrigerator 2nd stage, closed cycle 1st stage, and one on radiation shield
- grounded sample holder: accommodates up to a 32 mm (1.25 in) sample with a $\varnothing 25$ mm (1 in) probe area
- Optics: Zoom 70 microscope: 7:1 zoom, color CCD camera, swing arm, and video monitor
- Sample illumination: coaxial and ring light from an adjustable light source and power supply
- compact foot print will be given preference
- single phase electrical operation desired
- air cooled compressor preferred for the operation of the closed cycle cooler. In case it is water cooled then detailed specifications to be provided.
- purity of gas required for the closed cycle refrigerator to be mentioned
- please provide details for total power consumption with the detailed breakup of compressor, cry cooler, control aspects. Low power consumption is desirable.
- A technical drawing of the probe station to be provided with the bid.
- Vendor should have at least 20 probe station systems operational worldwide. Please provide list of customers.
- Vendor should have at least 5 customers using the probe station in India. Please provide list of customers.

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(PURCHASE SECTION)

Terms and Conditions

- PART “A” (Technical Bid) consisting of Technical Bid with Commercial Terms and PART “B” (Financial Bid) consisting of only Price** shall be submitted in **separate** sealed envelopes duly superscribed with the tender enquiry number, and the due date in bold letters, addressed to the Purchase Officer, Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, Mumbai – 400 005. The envelopes should be clearly marked on top as either PART “A” or PART “B”.
The two sealed covers should be further put in a master cover superscribed with the Tender Enquiry No., Due Date in bold letters, addressed to the Purchase Officer, Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, Mumbai – 400 005. The sealed master envelop has to be delivered by hand/courier at the security Gate Officer of TIFR on or before **17.30 hrs on 16/02/2018**. The technical bid will be opened in the presence of attending tenderers at **15.00 hrs on 19/02/2018** at Purchase Section, TIFR Mumbai. Tenders submitted after **17.30 hrs on 16/02/2018** will not be considered.
- In case the PART ‘A’ and Part ‘B’ bids are not sealed in separate envelopes the tender will be rejected.**
- The technical bid should not contain any indication of the price. The bidder should take special care not to mention anything related to pricing and costing aspect of whatsoever nature. The technical bid should include/contain only technical specifications, technical literature, drawing, quantity, manufacturing and delivery schedule, mode and terms of payment, mode of despatch, the quantum and percentage of statutory levies payable by the purchaser as extra and all related commercial terms and conditions for the supply and for the services like erection and commissioning to be rendered by the tenderer. The details of the validity of the tender should also be indicated along with the commercial details.
- After scrutiny of Technical Bids, Financial bids of only those bidders who are shortlisted on technical basis will be opened at on later date. The opening date, time and venue will be intimated to the technically successful bidder.
- Tender Document Fee:**
 - For Indian Supplier:** Tender fee for **Rs. 500/-** (Non-refundable) in the form of D.D. in favour of " Registrar, Tata Institute of Fundamental Research, Mumbai" to be enclosed with the Technical Bid(Part - A).
 - For Foreign Supplier:** Tender fee of **USD 100** (Non-refundable) in the form of advance cheque in favour of " Registrar, Tata Institute of Fundamental Research, Mumbai" to be enclosed with the Technical Bid (Part - A).

6. **EMD:**

a) For Indian Supplier: Earnest Money (EMD) for **Rs. 1,10,260/-** in the form of D.D. in favour of "Registrar, Tata Institute of Fundamental Research, Mumbai" to be enclosed along with the technical Bid (Part - A).

b) For Foreign Supplier: Earnest Money (EMD) for **USD 1,650/-** in the form of advance cheque in favour of "Registrar, Tata Institute of Fundamental Research, Mumbai" to be enclosed with the Technical Bid (Part - A).

EMD shall be interest free and it will be refunded to the unsuccessful bidder without any interest. EMD will be forfeited if the bidder withdraws or amend impairs or derogates from the tender in any respect.

7. **Bidders who have not accepted the job/order awarded to them or withdrawn from the tender process OR whose EMD/Security deposit has been forfeited in the past their bids will not be considered and treated as ineligible / disqualified.**

8. After downloading the documents please inform your company details such as name, address, telephone nos., contact person and email address etc. by email to us. (deepak.baghele@tifr.res.in, sheela@tifr.res.in, mukesh.suroshe@tifr.res.in, triveni@tifr.res.in) to enable us to inform prospective bidder for any corrigendum/changes if any; in the Tender document before due date.

9. Quotations must be valid for a period of 180 days from the due date.

10. Tenders containing correction, overwriting will not be considered. Late or delayed/Unsolicited quotations/offers shall not be considered at all. These will be returned to the firms as it is. Post tender revisions/corrections shall also not be considered.

11. Tenderer should sign on all the pages of the technical bid and the price bid.

12. The price quoted for Import item must be on following basis :

a) Ex-Work/factory duly packed airworthy/seaworthy and of international standard.

b) FOB/FCA

C) CIF Indian Port (all inclusive i.e. Cost of Goods, Packing, Insurance, Inland transportation, freight etc.)

For local item /supply, offer should be on FOR basis (i.e. total landed cost for delivery at TIFR, Mumbai).

The dimension of the item (viz. H, W, L, weight etc.) shall be specifically stated and also mention whether the mode of shipping the item is Airworthiness / Seaworthiness or both. Accordingly the mode of shipment will be decided by TIFR.

Price must be quoted in the Price Bid Format attached herewith as "Part - B" (Financial Bid).

- 13.If equipment offered is to be imported, arrangements for import will be made by us.
- 14.Tenders who do not comply with any of the condition are liable to be rejected.
- 15.The Institute shall be under no obligation to accept the lowest or any other tender received in response to this tender notice and shall be entitled to reject any tender without assigning any reason whatsoever.
- 16.TIFR reserves the right to place the order for part/reduced quantity than what is specified in the tender.
- 17.**PAYMENT TERMS:** **80%** payment shall be made through irrevocable L/C on presentation of complete and clear shipping documents and balance **20%** of the amount shall be released after the receipt, installation, commissioning and acceptance of the equipment and on submission of "**Performance Bank Guarantee**" or "**Standby Letter of Credit**" for an amount equivalent to **10%** of the Purchase Order Value. The PBG or "Standby Letter of Credit" shall be valid for a period of **60 days** beyond the date of warranty period.
- 18.For Import cases: **No Agency commission will be paid as per Govt. of India rules.**
- 19.The delivery period should be specifically stated and earlier delivery may be preferred.
- 20.**The Supplier shall arrange to ship the ordered materials within the mutually agreed delivery period mentioned in the order unless extended with/without penalty.**
 - a. In case of delay in supply on part of the supplier, a penalty @0.5% per week of order value will be charged for delayed period subject to a maximum of 10% order value.
 - b. If the delay in the shipment of the ordered materials attributable to the supplier exceeds agreed time period from the date of original agreed upon date of shipment and extended with/without penalty, the TIFR, Mumbai shall have the right to cancel the contract / purchase order and recover the liquidated damages from other dues of the party or by legal means. It will also affect the other/future business dealings with such suppliers.
 - c. The same rate of penalty shall be applicable for late installation of the equipment/instrument also.
- 21.COMMENCEMENT OF WARRANTY PERIOD: The warranty period of an item shall commence from the date of receipt of the item in good working condition and satisfactory installation/commissioning/demonstration at the project site.
- 22.Specifications are basic essence of the product. It must be ensured that the offers must be strictly as per our specifications. At the same time it must be kept in mind that merely copying our specifications in the quotation shall

not make the parties eligible for consideration of the quotation. A quotation has to be supported with the printed technical leaflet/literature of the quoted model of the item by the quoting party/manufacturer.

- 23.OBSERVANCE OF LOCAL LAWS: Wherever applicable (particularly for Local vendors), the vendor / contractor shall comply with all law, statutory rules & regulations etc. The vendor/ contractor shall obtain all necessary permits / approval from the local Governing Body, Police, and other concerned Authorities as may be required under law. The vendor /contractor shall pay all types of taxes, fees, license charges, deposits, duties, tolls, royalty or other charges that may be leviable on account of any the operations connected with the execution of this work/ contract.
- 24.In case of any interpretational issues arises in this tender, the interpretation/decision of TIFR shall be final and binding on the bidder.
- 25.It is the responsibility of the vendor to make sure that the system being proposed can be exported to India with TIFR as the end user. All clarificatory documentation must be submitted with the Bid.
- 26.TIFR reserve the right to ask for or to provide any clarification, changes after the release of this tender. **Any changes or clarifications provided by TIFR may be checked at TIFR website www.tifr.res.in/tenders**

ADMINISTRATIVE OFFICER
(PURCHASE SECTION)
TIFR, MUMBAI

TIFR Enquiry No & Date: _____

Due date: _____

Bidder's Quotation Ref No. & Date: _____

Part 'B'

Financial Bid

Financial Bid (Bidders must quote their rates using this Format)

Sr. no.	Item Description as per the Tender/Inquiry	Make/Brand/Type	Rate per unit	Qty	Basic Cost of main item (In Currency)_____
A					
B	Ex-Works cost (Duly packed Airworthy/Seaworthy of international standard)				
C	FOB /FCA Cost (Name of Airport_____)				
D	CIP/CIF Cost (Upto Mumbai Airport)(all inclusive i.e. Cost of Goods, Packing, Insurance, Inland transportation, freight etc.)				

Note:

1. All the column should be appropriately filled and not left blank
2. Do not include any other charges, taxes, duties etc. in the Basic Cost of the item,
3. Any accessories, optional items should be shown separately using above format.
4. Use separate sheet for detail description, specification of the item, but prices should be quoted in same format.
5. Prices quoted in Indian Currency should be on F.O.R. basis and mentioned separately using different table format showing all the applicable taxes/Duties like CGST,SGST,IGST, Freight & Transportation charges and installation charges etc.
6. TIFR being educational & research institute, discounted price shall be offered.

Name, Address, contact no
& Email id of the
Bidder/Company
with company's stamp or
seal

Signature of the Bidder

Date: _____

Place: _____