



TENDER DOCUMENT

FOR

THE PURCHASE

OF

5 Axes Universal Type CNC Machining Centre

Public Tender No. : TFR/PD/IC16-178/PUB

**TATA INSTITUTE OF FUNDAMENTAL RESEARCH
HOMI BHABHA ROAD, COLABA
MUMBAI – 400005
INDIA**

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A DEEMED UNIVERSITY

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TATA INSTITUTE OF FUNDAMENTAL RESEARCH

HOMI BHABHA ROAD, COLABA

MUMBAI – 400005

TENDER DOCUMENT

PART – I

Technical Bid

Public Tender No. : TFR/PD/IC16-178/PUB

Name of Work

DESIGN, MANUFACTURING & SUPPLY,

INSTALLATION, ERECTION, COMMISSIONING & TESTING

OF

5 Axes Universal Type CNC Machining Centre

AT

CENTRAL WORKSHOP, TIFR, MUMBAI – 400005.

TATA INSTITUTE OF FUNDAMENTAL RESEARCH
Homi Bhabha Road, Colaba, Mumbai – 400 005
(A DEEMED UNIVERSITY)

Tel.No:+91-22-2278 2890
E-mail:sgk@tifr.res.in

Purchase Fax :+91-22-22804610/11
Website:www.tifr.res.in/tender

Sealed tender in two parts viz. Part 'I' (Technical Bid) & Part 'II' (Price Bid) are invited in sealed envelopes from reputed manufacturers or their accredited agents for: **DESIGN,MANUFACTURING&SUPPLY,INSTALLATION,ERECTION, COMMISSIONING & TESTING OF 5 AXES UNIVERSAL TYPE CNC MACHINING CENTRE AT CENTRAL WORKSHOP, TIFR, MUMBAI as per our technical specifications and terms & conditions of contract.**

Tender No. :
Approximate value put to tender : Rs 2, 50, 00,000/-
(for reference only)
Earnest money deposit : Rs 5, 00,000/- (\$ 7,500/-)
Cost of tender document : Rs 700/- (\$ 100/-)
Sale of tender document from : Date : 21/04/2017
Last date for Submission of bid : Date: 22/05/2017 : Time : 2.00 p.m.
Date of Opening Bids (Part - A) : Date : 22/05/2017: Time : 3.00 p.m.
Completion Time : 4 months from date of award of contract
Place of opening of tenders : Tata Institute of Fundamental Research,
Colaba, Mumbai - 5

Tender Forms can be obtained from the Purchase Section on payment of the tender fees (non-refundable) of Rs.700/- by cash/Demand Draft drawn in favour of Tata Institute of Fundamental Research, Mumbai to the Cashier, Accounts Department, on any working day between 11.00 a.m. to 12.30 p.m. and 1.00 p.m. to 3.00 p.m

OR

The bidder may download the tender document / specifications from website www.tifr.res.in. While submitting the quotation, a DD of Rs.700/- drawn in favour of Tata Institute of Fundamental Research, Mumbai may please be enclosed along with Technical Bid. Foreign suppliers prepare Bankers cheque for US\$100/-.

Tata Institute of Fundamental Research shall be under no obligation to accept the lowest or any other tender received in response to this tender notice and shall have the right to reject any or all tender(s) without assigning any reason whatsoever.

PURCHASE OFFICER

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PART – I
SECTION – II

INSTRUCTIONS TO BIDDER

1. **PART “A” (Technical Bid)** consisting of Technical Bid & Commercial Terms and **PART “B” (Price Bid)** consisting of only Price shall be submitted in separate sealed envelopes duly super scribed with the tender enquiry number, and the due date in bold letters, addressed to

**The Admn. Officer (Purchase), Tata Institute of Fundamental Research,
Homi Bhabha Road, Colaba, Mumbai – 400 005.**

The envelopes should be clearly marked on top as either PART “I” or PART “II”. The two sealed covers should be further put in a master cover super scribed with the Tender Enquiry No., Due Date in bold letters, addressed to the Admn.Officer (Purchase), 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 14.00 hrs on the due date specified. The technical bid will be opened in the presence of attending tenderers at 15.00 hrs on the due date at Purchase Section, TIFR Mumbai.

Tenders submitted after 14.00 hrs on the due date will not be considered.

2. In case the PART „A” and Part „B” bids are not sealed in separate envelopes the tender will be rejected.
3. **The technical bid should not contain any indication of the price.**
4. After scrutiny of Technical Bids, Price 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.
5. **Tender Document Fee:**
 - a) **For Indian Supplier:** Tender fee for **Rs. 700/-** (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).
 - b) **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. 5,00,000/-** 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 \$ 7,500/-** 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. (sgk@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. Quotation 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. In case of any interpretational issues in this tender, the interpretational decision of the TIFR shall be Final & binding on the bidder.

13. TIFR reserve the right to ask for or to provide any clarification, changes after the release of this tender.

14. TIFR reserve the right to cancel the tender even after the receipt of tender, and in such case the EMD would be refunded without any interest to the bidding parties.

15. 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.

16. If equipment offered is to be imported, arrangements for import will be made by us.
17. Tenders who do not comply with any of the conditions are liable to be rejected.
18. 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.
19. **TIFR exempted from paying of Custom duty** under the notification No.51/96 dated 23.07.1996, Excise duty under the notification No.10/97 dated 01.03.1997 for all procurements/supply meant exclusively for Educational, scientific and research purpose. Whenever the exemption certificate not honored by the authorities, the applicable duty will have to be paid. Hence Excise & Custom duties and Service tax, if any, should be shown separately.
20. TIFR reserves the right to place the order for part/reduced quantity than what is specified in the tender
21. The Supplier shall arrange to deliver 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 the part of the supplier, a penalty @ 0.5% per week of order value will be charged for delayed period subject to maximum of 10% of order value.
 - b) The same rate of penalty shall be applicable for late installation of the equipment /instrument also.

22. Payment terms:

For Local Orders:

The payment (i.e. 100%) will be made only after delivery of the supply, satisfactory installation, commissioning, acceptance and performance of the item/equipment at TIFR Mumbai and after certification by our technical expert/ Authorized officer and on submission of Performance Bank Guarantee drawn on nationalized bank equivalent to 10% of Purchase Order value. The PBG shall be valid for a period of 60 days beyond the date of warranty period.

For Import Orders:

80% of the Purchase Order Value (amount) shall be released through irrevocable L/C on presentation of complete and clear shipping documents and balance **10%** of the amount shall be released after the receipt, installation, commissioning and acceptance of the equipment. Remaining **10%** of the amount shall be released 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.

23. For Import cases: No Agency commission will be paid as per Govt. of India rules.
24. We are exempted from payment of Excise Duty under notification number 10/97 dated 01.03.1997 and Customs Duty under notification No.51/96 dated 23.07.1996 for all procurements/supply meant exclusively for scientific and research purpose. Whenever the exemption certificate not honoured by the authorities, the applicable excise duty will have to be paid. Hence Excise Duty and Customs Duty, if any, should be shown separately. No other charges than those mentioned clearly in the quotation will be paid.
25. Sales Tax: TIFR does not have any exemption/concession on payment of Sales Tax/VAT and we are not authorized to issue any Sales Tax Form „C“ & „D“
26. The delivery period should be specifically stated and earlier delivery may be preferred.
27. **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. The warranty period and validity of Performance Guarantee shall be extended for the period of delay in satisfactory installation and delay in warranty services.
28. 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.
29. Price must be quoted in the "Price Bid" format attached herewith at for local item and another "Price Bid" format for Imported Item.

PART – I
SECTION – III

ARTICLES OF AGREEMENT

ARTICLES OF AGREEMENT made the _____ day of _____ (month & year) between Tata Institute of Fundamental Research, Mumbai (hereinafter called “the Purchaser”) of the one part and _____ (hereinafter called “the Contractor”) of the other part.

WHEREAS the Purchaser is desirous of installing **5 AXES UNIVERSAL TYPE CNC MACHINING CENTRE at TIFR**, Mumbai as per technical specifications

AND WHEREAS the Contractor has agreed to execute upon and subject to the Conditions set forth under various sections of Part 1 and Part 2 of the Tender Document (all of which are collectively referred to as “the said conditions”) the works described in the said Specification and included in the Price schedule forms at the respective rates therein set forth amounting to the sum as therein arrived at or such other sum as shall become payable there under (hereinafter referred to as “the said Contract Amount”).

NOW IT IS HEREBY AGREED AS FOLLOWS

1. In consideration of the said Contract Amount to be paid at the times and in the manner set forth in the said Conditions, the Contractor shall upon and subject to the said Conditions execute and complete the work described in the said Specifications and the price schedule form.
2. The Purchaser shall pay the Contractor the said Contract Amount, or such other sum as shall become payable, at the times and in the manner specified in the said Conditions.
3. The said Conditions shall be read and construed as forming part of this Agreement, and the parties hereto shall respectively abide by, submit themselves to the said Conditions and perform the agreements on their part respectively in the said Conditions contained.
4. The agreement and documents mentioned herein shall form the basis of the Contract.
5. This Contract is neither a fixed Lump sum Contract nor a Piece Work Contract but is a Contract to carry out the work in respect of the entire **DESIGN, MANUFACTURING & SUPPLY, INSTALLATION, ERECTION , COMMISSIONING & TESTING OF 5 Axes Universal Type CNC Machining Centre AT CENTRAL WORKSHOP, TIFR, MUMBAI** as per the technical specifications and the said conditions of contract.
6. The Purchaser reserves to itself the right of altering the nature of the work by adding to or omitting any items of work or having portions of the same carried out by other without prejudice to this Contract.
7. Time remains the essence of this contract. Delivery of the Goods and performance of the Services shall be made by the Supplier in accordance with the time schedule specified in the contract
8. All payments by the Purchaser under this Contract will be made only at Mumbai.
9. All disputes arising out of or in any way connected with this agreement shall be deemed to have arisen at Mumbai and only Courts in Mumbai shall have jurisdiction to determine the same.
10. That the several parts of this Contract have been read by the Contractor and fully understood by the Contractor.

Place:

Date:

Signature of Tenderer

PART – I
SECTION – IV

Technical Specifications
5 Axes Universal Type CNC Machining Centre

1	Main features of the Machine
a	Construction Features
	i) CNC 5 Axis Universal Machining Center with built in rotary & tilting table. Swiveling axis integrated in the machine bed and supported on both sides in the machine base. Capable of 5-Side machining & 5-Axis Simultaneous machining
	ii) Portal/Gantry design with precision linear motion guides.
	iii) FEM optimized structure made of high quality grey cast iron having homogeneous thermal conductivity OR FEM optimized mineral casting structure. Optimum damping property and high rigidity. Welded construction not allowed.
	iv) Bed top open for loading/unloading by overhead crane.
	v) Spindle mounted on ceramic bearing and lubricated by oil-air lubrication system. Else, the bearing should be Grease packed and sealed for Life Time.
	vi) Chip conveyor with chip evacuation trolley. Type to be specified
	Vii) Foot Print of the machine and all its accessories should not be more than 4m x4m
b	Miscellaneous Features
	i) Operating Voltage - 415 V, 3 phase, 50 Hertz A/C Power rating - 45 KVA (Max)
	ii) Separate Centralized Lubrication equipment, Hydraulic equipment, Cooling System for thermal stability, Machining Coolant System, Electrical System and Numerical Control System – Heidenhain TNC 640
	iii) Specify suitable software/hardware safety features to provide protection to the operator and the machine against all possible operational and machinery failures.
	iv) Complete machine enclosure with suitable guard-doors
	v) Provision for Rigid Tapping.
	vi) Swing type control unit so that operator can view workspace and control unit in all orientations during work.
	vii) Suitable LED lighting arrangement to illuminate working area with anti-stroboscope lights
	viii) Hand held compressed air gun for quick cleaning of workspace
c	Thermal Stability Features :-
	i) Thermo compensation for machine structure and axes.
	ii) Active cooling of spindle, feed motors etc. for optimum thermal stability.
	iii) Electrical control cabinet with built- in air conditioner.
d	Computer Hardware and Connectivity Features:
	i) The machine should have RJ-45 and USB connectivity.
	ii) Minimum 100 GB hard disk for storing programs and other machining data.
	iii) Graphic machine diagnosis system for PLCs IP / OP.
	iv) Provision for memory backup in Compact flash card/ USB flash drive
2	Main Technical Specification:
a	Travel/Working Area:

	i) Longitudinal travel – X Axis : 700 - 800 mm.
	ii) Cross travel – Y Axis : 650-700 mm.
	iii) Vertical – Z Axis : 550-600 mm.
b	NC type Rotary Swivel Table
	i) Table Size: ø 650 mm (approx.)
	ii) Loading capacity: 600 kg (or better)
	iii) Table Swivel (A Axis) : ±115 degree/Swiveling Range: 230 degree (or better)
	iv) A - Axis Swiveling Speed - 20 RPM (or better)
	v) Rotary axis (C Axis) : 360 degree Continuous.
	vi) C Axis Rotary Speed - 30 RPM (or better)
	vii) T Slot : Manufacturer's Standard.
c	Spindle Specifications
	i) Spindle Power: 25kw @ 100% duty cycle and 35kw @ 40% duty cycle Spindle Speed - 18000RPM (approx.) Torque @ 40% duty cycle - 120Nm (or better)
	ii) Clamping Taper : HSK-A63.
	iii) Continuous Variable Spindle speed : 50-18000 RPM
	iv) Actively Cooled
	v) Bidder to provide Power-Torque diagram and Material Removal Rate (Milling of Steel CK45) along with cutting depth/width, spindle speed, feed and tool details
d	Feed Drive
	i) AC Servo Drive
	ii) Hardened and ground ball screws, THK make or equivalent with accuracy grade C1 or better as per JIS B 1192-1997, in all the three axes. Brand is to be specified.
	iii) Hardened and ground Linear Motion Guideways in all axes. Brand is to be specified.
	iv) Feed rate: 0 - 30000 mm/min. (or better)
	v) Rapid feed rate X/Y/Z axes: 30 m/min. (or better)
	vi) Linear Acceleration X/Y/Z axes: 6 m/s ² . (or better)
e	CNC System- Apart from standard Heidenhain TNC 640 features the machine should also conform following features :
	i) Number of simultaneously controllable axis: Five + Spindle.
	ii) Machining features: a) Fast 3 Axis machining b) Machining on 4th axis c) Continuous 5-Axis interpolation and spline interpolation.(3 rd Degree)
	iii) Increment input : Min input increment 0.001mm on X, Y & Z axes : Min input increment 0.002 degree on A & C axes.
	iv) The control unit should have separate hand held unit with electronic hand wheel for controlling individual axis.
	v) Vendor to provide G-Code Simulation Kit built on NX CAM Version 10 (Post Processor, 3D Model Simulation file, configuration file etc.)
	vi) 19" TFT Monitor
f	Measuring System
	i) Linear glass scales for X,Y and Z axes(Heidenhain make or equivalent). Make is to be specified.
	ii) Glass scales for both rotary and swivel axes (Heidenhain make or equivalent). Make is to be specified.
g	Coolant Pump
	i) Tank capacity : 400 liters.
	ii) Pressure : 6 Bar.

	iii) Pump discharge : 35-40 liters/min
h	Automatic Tool Changer
	Number of tool pockets : 30 minimum.
3	Machine Accuracies:-
	Spindle run-out : Equal or Less than 0.002 mm.
	Positioning accuracy for X/Y/Z axes for entire stroke as per VDI/DGQ 3441 : <=0.008mm
	Positioning Scatter for X,Y & Z axes : 4 microns (or better)
	Positioning accuracy for rotary (C) axis : 8" (or better)
	Positioning scatter for rotary (C) axis : 4" (or better)
	Positioning accuracy for swivel (A) axis: 10" (or better)
	Positioning scatter for swivel (A) axis: 6" (or better)
	Geometrical tests: As per supplier's test chart (supplier should enclose standard test chart with numerical values and test procedure along with the offer indicating the basic standard adopted for the approval of the purchaser).
	Practical tests: NAS Test for 5 Axes & manufacturer's standard test job for 5-axes machining.
	Accuracy and repeatability test : VDI/DGQ 3441 or equivalent for X, Y and Z axes by LASER interferometer and optical method for rotary axes.
4	Standard accessories
a	Renishaw or Equivalent Touch probe for centering and referencing the work piece, with infrared transmission and integration of probe's coordinates' output with machine's programming software. The probe should be complete with HSK-A63 adapter and standard style.
b	Renishaw or Equivalent Touch probe compatible Calibration kit for the calibration of Linear and Rotary axes of the machine
c	Machine specific machining Simulator for tool path verification
d	Installation accessories like anti vibration pads, hand tools, grease gun etc.
e	Test mandrels for all geometrical tests.
f	All Hand tools and tool box for general operation and servicing of the machine.
5	The supplier shall furnish the following information along with the quotation
a	Detailed catalogue of the machine and other accessories.
b	Drawings of foundation details, if any. Machine supplier may quote for civil work optionally.
c	Geometrical alignment and practical test chart for the machine offered indicating the guaranteed accessories.
d	The overall size and weight of the machine
e	Supplier should provide complete PLC listing in English along with comments (Hardcopy + Soft copy).
f	Service manuals and complete electrical diagrams should be provided.
g	Supplier should indicate distinct milestones for stage inspection and final inspection of the machine.
6	Onsite Training
	The supplier shall arrange the CNC-programming & operation training of four persons and the maintenance (mechanical and electronics) training of three persons in TIFR for a period of minimum ten working days during and after the installation and commissioning of the machine
7	Pre-Dispatch Inspection & Testing at Manufacturer's works:
a	Geometrical Accuracies: Machine will be inspected and tested for geometrical accuracies

	at manufacturer's works and witnessed by our representatives (2/3 persons) as per standard test chart issued by the supplier.
b	Positioning Accuracy and repeatability test: Positioning accuracy and repeatability will be tested as per VDI DGQ 3441 or equivalent by LASER interferometer method and witnessed by our representatives. Supplier has to arrange for necessary equipment.
c	Practical Test :
	i) Machining of first test piece as per NAS test chart for selection and proving of tooling and cutting parameters using supplier's material.
	ii) Machining of second test piece as per NAS test chart to prove the accuracy and repeatability using supplier's material.
d	The purchaser shall bear the cost of travel, lodging and boarding of purchaser's personnel
8	Erection & Commissioning
	For erection & commissioning all the support will be arranged by the purchaser. Only supervisory consultancy shall be provided by the supplier.
9	Final acceptance at purchaser's works after commissioning
a	Geometrical Accuracies: Machine will be inspected and tested in the presence of supplier's representative for geometrical accuracies as standard test chart issued by the supplier.
b	Positioning Accuracy and repeatability test: Positioning accuracy and repeatability will be tested in the presence of supplier's representative as per VDI DGQ 3441 or equivalent by LASER interferometer method.
c	Practical Test: Machining of two test pieces as per NAS test chart and manufacturer's standard test specimen to prove the accuracy and repeatability.
10	Warranty:
a	Standard 24 months from date of commissioning of the machine at purchaser's works.
11	General Terms and Conditions
a	As per Tender Document

NOTE

- The Technical Bid should include specific answers strictly with respect to our above mentioned Technical Specifications. Deviations if any should be highlighted with clarifications. Otherwise, the Bid will not be taken into consideration.
- The supplier should furnish the quantitative values with respect to specified values in the Technical specification of the quote clearly instead of just mentioning "Complied", "Agreed" or "Confirmed" etc. otherwise the Tender Quote is liable to be rejected

Sample Format

Sr. No	Tender Specification	Bidder's (Name) Reply	Remarks/ Deviations if any
2	Main Technical Specification:		
a	Travel/Working Area:		
	i) Longitudinal travel – X Axis : 700 - 800 mm.	780mm	
	ii) Cross travel – Y Axis : 650-700 mm.	700mm	

PART – I
SECTION – V

Eligibility requirements

- (a) The Bidder should be a manufacturer/authorized representative of a manufacturer who must have designed, manufactured, tested and supplied the equipment(s) similar to the type specified in the “Technical Specification”. Such equipments must be of the most recent series/models incorporating the latest improvements in design. The models should be in successful operation for at least one year as on date of Bid Opening.
- (b) The Bidder should be a manufacturer/authorized representative of a manufacturer of 5 Axes Universal Type CNC Machining Centre
- (c) The machine supplied should be a standard product of OEM and standard catalogue to be provided
- (d) The Bidder should furnish the information on all past supplies in Govt. of India/ DAE/ ISRO/ Defense and satisfactory performance in the pro forma (Performance Statement Form)
- (e) Bidders shall invariably furnish documentary evidence (client’s certificate) in support of the satisfactory operation of the equipment.
- (f) Details of Service Centers in India and information on service support facilities that would be provided after the warranty period (in the Service Support Form).
- (g) The bidder should confirm that adequate and specialized expertise is already available or will be made available in India for the execution of the contract in India. The service support should be in such a manner that, it is made available within a period of 2 working days in an event of problem or breakdown of machine.
- (h) The manufacturer shall confirm his capability to support the spares, maintenance calibration and after sales service of the complete system after erection & commissioning, during and after the warranty period, either directly or through authorized service representative positioned in India. The supplier should ensure support for a minimum period of 10 years
- (i) The Indian Agents of foreign manufacturers/ suppliers quoting directly on behalf of their principals for items appearing in the restricted list of the current EXIM policy of the Govt. of India are registered with DGS&D.
- (j) **To maintain sanctity of tendering system one Indian agent cannot represent two different foreign principals in one tender.**

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HOMI BHABHA ROAD, COLABA

MUMBAI – 400005

TENDER DOCUMENT

PART – II

Price Bid

Public Tender No. : TFR/PD/IC16-178/PUB

Name of Work

DESIGN, MANUFACTURING & SUPPLY,

INSTALLATION, ERECTION, COMMISSIONING & TESTING

OF

5 Axes Universal Type CNC Machining Centre

AT

CENTRAL WORKSHOP, TIFR, MUMBAI – 400005.

PART – II
SECTION – I

Price Schedule Forms

1. The tender shall remain valid for acceptance for 180 days, from the date of tender opening.

2. Only for Indian bidders:-

Rates for items given in Price Bid at Schedule of Requirements are as follows.

Prices should be on FOR Destination basis in Indian rupees.

Sl. No. Description, A/U Qty Unit, Total offered price Cost

- (i) Brief description of complete equipment/Item/material with all accessories.
- (ii) Excise duty, if any
- (iii) Customs duty, if any
- (iv) Sales tax
- (v) Training cost, if any
- (vi) For octroi if applicable, necessary Certificate will be issued.
- (vii) Cost of Spares for 10 years of operation
- (viii) Any other

3. For Foreign Bidders:-

Price should be quoted on CIF, FOB & Ex-works basis.

Sl. No. Description A/U Qty Unit Total offered price Cost

- (i) Brief description of complete equipment/ Item/material with all accessories.
- (ii) Installation, commissioning, training charges, PDI, if any
- (iii) Total cost (in figures and words) and currency
- (iv) Total Bid price in foreign currency _____
- (v) Indian agents name & address _____ in words.
- (vi) Third party Charges if any _____ Name _____
- (vii) Cost of Spares for 10 years of operation
- (viii) Business Address _____
- (ix) Any other

4. Separate list should be attached where required in the same format giving details of each item and cost. However, total cost should be mentioned at appropriate column in the table (s).

TIFR Tender No & Date: _____

Price Bid (for local item)

Due date: _____

Bidder's Quotation Ref No. & Date: _____

Price / 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 (In INR)
A					
B	Excise Duty: if any				
C	VAT/CST				
D	Freight/Transportation charges if any for delivery upto TIFR, Colaba, Mumbai				
E	Service Tax; if any				
F	Service/Labour charges;if any				
G	Any Other charges				
H	Total landed cost in Figures & words				

Commercial Terms to be stated specifically

Delivery Period:

Waranty Period:

Validity of Quote: Payment Terms:

Note:

1. All the cloumn 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 seperately 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 seperately using diffent table format showing all the applicable taxes/Duties like Excise,VAT, service Tax, Freight & Transportation charges and installation charges etc.
6. TIFR being educational & research institute, discounted price shall be offered.

Signature of the Bidder

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

Date:

TIFR Tender 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 cloumn 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 seperately 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 seperately using diffent table format showing all the applicable taxes/Duties like Excise,VAT, service Tax, Freight & Transportation charges and installation charges etc.
6. TIFR being educational & research institute, discounted price shall be offered.

Signature of the Bidder

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

Date:
