

NATIONAL INSTITUTE OF TECHNOLOGY

TIRUCHIRAPPALLI – 15

DEPARTMENT OF PRODUCTION ENGINEERING

Web : www.nitt.edu

Phone : 0431 - 2503509



TENDER DOCUMENT

Tender Notification No.: **NITT/R&C/PROD/MDS/GATET/2014/SN**

Dated: 30.06.2014

- Name of the component : **TURBINE ROTOR STARTING NOZZLE**
- Quantity required : **3 Nos.**
- EMD Amount : **Nil**
- Cost of the Tender Document : **Nil**
- Delivery : **Within two Weeks from the date of purchase order**
- Last Date of submission of Tender : **09.07.2014 up to 3.00 PM.**
(Extended up to **15.07.2014 at 3.00 p.m**)
- Address for submission of Tender : The Director,
National Institute of Technology,
Tiruchirappalli – 620015, Tamilnadu, India
Kind ATTN to: **Dr.M. Duraiselvam**,
Associate Professor,
Department of Production Engineering
- Date of opening of technical bid : **15.07.2014 at 3.30 PM.**



**NATIONAL INSTITUTE OF TECHNOLOGY
TIRUCHIRAPPALLI – 15**

DEPARTMENT OF PRODUCTION ENGINEERING

Tender Notification No: NITT/R&C/PROD/MDS/GATET/2014/SN Dated: 30.06.2014

NOTICE INVITING TENDER

The National Institute of Technology, Tiruchirappalli (NITT) is an autonomous body under MHRD, GOI, imparting Technical Education and engaged in Research Activities. It is proposed to procure the following component for the Departmental academic/research activities.

Sealed bids under **two bid system** are invited for the following component subject to the following terms and conditions, from the reputed manufacturers or their authorized dealers so as to reach this office on or before scheduled date and time. The technical cover will be opened on the same day in the presence of bidders or their authorized agents who may choose to be present.

Name of the component : **TURBINE ROTOR STARTING NOZZLE**

Quantity required : **3 Nos.**

EMD Amount : **Nil**

Cost of the Tender Document : **Nil**

Delivery : **Within two Weeks from the date of purchase order**

Last Date of submission of Tender : **15.07.2014 up to 3.00 PM.**

Address for submission of Tender : The Director,
National Institute of Technology,
Tiruchirappalli – 620015, Tamilnadu, India
Kind ATTN to: **Dr.M. Duraiselvam**,
Associate Professor,
Department of Production Engineering

Place, Date and time of opening of bid:

Date: 15.07.2014

Time: 3.30 PM.

Venue: Office of the Dean (R&C)

Note : The Institute shall not be responsible for any postal delay about non-receipt / non delivery of the bids or due to wrong addressee.

INSTRUCTIONS TO BIDDERS

1. This document set contains the following:
 - a) Terms and conditions of the Tender
 - b) Details of the Firm offering this Quote
 - c) Technical Compliance Form
 - d) Quotation form (Price Bid)
 - e) Currency Form (quoted on behalf of the foreign suppliers)
 - f) NIT-T's check list copy
2. The bidder's copy is for your future records. Please fill in and return only NIT-T's copy.
3. The bidder should give details of their technical soundness and provide list of customers of previous supply of similar items to Universities, Institutes or Government Departments/Undertakings/public sectors with contact details. The details of the agency/profile should be furnished along with the copy of all related documents.
4. Read through the terms and conditions given and affix your signature and seal if you find them acceptable. Any deviations may be recorded. Read carefully list of specifications that we have enclosed.
5. Fill in the questionnaire regarding the Firm.
6. The downloaded documents '**Technical Compliance Form**' and '**Quotation Form (Price Bid)**' should be **TYPE WRITTEN USING CAPITAL LETTERS ONLY**. At the time of filling the "**Quotation Form (Price Bid)**" make sure that you have not missed anything. Specify the model number & specification for each item. The form should be filled item-wise. Do not leave blank fields. If you are not quoting for a specific item, you should specify "**NOT QUOTING**".
7. **Do not use** ambiguous terms like "**yes**", "**complied**" or "**available**". Specifically mention the matching specification of the product offered by you. Make sure that you have affixed your signature with date and seal on all the documents.
8. Please send the tenders in a sealed envelope superscribed as "**QUOTATIONS AGAINST TENDER NOTIFICATION NO: NITT/R&C/PROD/MDS/GATET/2014/SN**" so as to reach "The Director, National Institute of Technology, Tiruchirappalli - 620 015, India, Kind ATTN to: Dr. M. Duraiselvam, Associate Professor, Department of Production Engineering" on or before **15.07.2014 at 3.00 PM. along with a Softcopy of the Technical Compliance form (along with cover-2) and Quotation Forms (along with cover-3) in MS-Excel file format in a CD/DVD or USB drive.**
9. For any further clarifications, contact by E-Mail: durai@nitt.edu or by written request to "The Registrar, National Institute of Technology, Tiruchirappalli - 620 015, India"

Last Date for receipt of tender at NIT-T : 15.07.2014 upto 3.00 PM.

Opening Date for technical bid : 15.07.2014 at 3.30 PM.

CHECKLIST TO BE FILLED IN BY BIDDER	
List of documents to be enclosed	Completed & Signed
1. Terms and Conditions form	YES / NO
2. Details of the Firm offering this Quote	YES / NO
3. NIT-T's Quotation form (Technical & Price Bid)	YES / NO
4. Currency Form(quoted on behalf of the foreign suppliers)	YES / NO
5. Other technical specifications & pamphlets	YES / NO

- Note:** 1. "Cover" should contain the following:
- a. Form of "**Acceptance of Terms and Conditions**".
 - b. Form of "**Firm details**"
 - c. Pamphlets, if any (in a separate sealed cover)
 - d. Quotation Form (Technical, Price Bid and Currency Form)

Please retain this page with you for your future reference.

SECTION : 1 – TWO BID TENDER**Cover 1: Technical Bid**

(should be superscribed as 'Technical Bid' duly indicating the Tender reference No. and the due date of opening)

Should contain:

- a. Technical pamphlets
- b. Detailed technical specification
- c. Copy of license certificate for manufacture/supply of the item*
- d. Income Tax PAN number & TIN number.*
- e. Last three years balance sheet approved by the CA and the IT clearance certificate.*
- f. Warranty period offered for the tendered item to be specified. If the warranty period is not conforming with the schedule of requirements given in section 3 of the Tender document, the bid is liable to be treated as non-responsive and will be rejected.
- g. Duly filled up technical questionnaire, if any
- h. Duly filled up deviation schedules to technical specifications, if any
- i. Copy of supply orders completed during the last three years

* Appropriately pertaining to the country of origin.

Cover 2: Price Bid

(should be superscribed as 'Price Bid' duly indicating the Tender reference No. and the due date of opening)

Should contain:

- a. Price bid as per the format in Section-4 of the tender document
- b. Break-up price as per the format in Annexure-A

Note:

- a. If the prices are revealed in cover 1, the offer will be summarily rejected.
- b. Each Cover shall be sent in a double sealed cover. The inner covers (Cover 1 and Cover 2) should be sealed individually with the Sellers's distinctive seal and superscribed with the tender reference No. and due date of opening. All inner covers shall be placed in a common outer cover which shall also be sealed with seller's distinctive seal and superscribed with the tender reference No. and due date of opening.
- c. Mention "Kind Attention: **Dr. M. Duraiselvam, Associate Professor, Department of Production Engineering**" and submit at the address given in the Notice Inviting Tender.
- d. Cover 1 will be opened on the scheduled date and time mentioned in the tender enquiry.
- e. Cover 2 of the technically and commercially suitable offers alone will be opened on a date which will be intimated to the qualified bidders.

SECTION : 2 – TERMS AND CONDITIONS FORM

**IMPORTANT: READ THE FOLLOWING TERMS AND CONDITIONS AND
SIGN THE ACCEPTANCE CLAUSE FOLLOWING IT**

1. The offers should be addressed to “The Director, National Institute of Technology, Tiruchirappalli 620015, India” and should be sent in a sealed envelope superscribed **BID AGAINST TENDER NOTIFICATION No.: NITT/R&C/PROD/MDS/GATET/2014/SN**” so as to reach us **on or before 15.07.2014 upto 3.00 PM**
2. Each offer should be sent in a sealed cover with the tender documents. Tenders received through email or FAX will not be considered. **Softcopy of the Technical Compliance form and Quotation Forms should be submitted along with the tender in MS-Excel file format in a CD/DVD or USB drive. However, if there is any dispute between Hard copy and Soft copy, Hard copy will be taken.**
3. The tenders will be opened on **15.07.2014 at 3.30 PM.** in the presence of the vendors present with authorization letter from the respective companies / firms.
4. All offers should indicate unit price (excluding taxes and duties applicable), Taxes and other charges should be mentioned separately, if any. Additional charges for packing, forwarding, freight, insurance etc., if any, should be clearly mentioned. Clearance at Customs will be arranged by us.
5. NIT-T is paying concessional Customs & Excise duty under Government of India Notification No.51/96for Central Customs and 10/97 for Central Excise Duty vide Certificate No.TU/V/RG-CDE(183)/2011 dt.10.10.11. **This institute is exempted from payment of service tax as per Sl.no. 9 of Government notification No25/2012-ST dated 20th june, 2012. The tenderer should verify the excise duty exemption certificates of this institution and service tax rules before submission of the Bid. It will be assumed on the submission of bid that excise duty exemption will be provided and no other conditions after the issue of purchase order will be accepted.**
6. The Institute is not authorized to issue C and D forms of Sales tax certificate.
7. 100% payment will be made only after installation and commissioning.
8. No revision of the price bid will be allowed once the price bids are opened. The warranty period, delivery period and other terms should be clearly mentioned.
9. **Eligibility:** Quotation from registered firms/company’s / manufacturer under TNGST/CST / other statutory bodies alone will be considered. Any Manufacturer / Supplier / Dealer who has been declared ineligible by World Bank/Government of India shall not be eligible to participate in this bid. Any fraudulent practices including concealing of facts at the time of submission of bid and there after shall lead to disqualification. List of beneficiaries especially from Educational Institutions / R & D Institutions should also be enclosed with the quotations.
10. The company should have (i) Three similar works, each of value not less than 40% of the estimated cost put to tender, or (ii) Two similar works, each of value not less than 50% of the estimated cost, or (iii) One similar work of value not less than 80% of the estimated cost, all amounts rounded off to a convenient full figure, in the last 4 years ending on the last day of the month previous to the one in which the tenders are invited.
11. Complete user, technical and service documentation and spare parts catalogue are to be provided along with the supply of the item.
12. Vendors shall not make attempts to establish unsolicited and un-authorized contact with us after the opening of the offers and prior to the notification of the award. Any attempt by any vendor to bring to bear extraneous pressures on us shall be sufficient reason to disqualify the vendor.
13. Delay / loss in postal transit or due to other reasons will not be NIT-T’s responsibility.
14. We are not responsible for accidental opening of the covers that are not properly superscribed and sealed before the time scheduled for opening.
15. The tender should be made only on the FORM which is available in our website, otherwise it shall lead to rejection. The FORM should be duly filled up (preferably **TYPE WRITTEN IN CAPITAL LETTERS**) and should clearly mention the features offered by the bidder against each specification.

16. Authorized signatory should sign on all the pages. Bids without authorized signatures or seal of the firm will be rejected.
17. The manufacturers of the quoted make of the product must be of National / International repute and having ISO /BIS certificate.
18. **Liquidated damages:** If the bidder/supplier, after accepting the Purchase Order, fails to deliver any or all of the Goods within the period specified in the Order, NIT-T shall, without prejudice to its other remedies under the Rules of Purchase, proceed to cancel the order or agree to accept a delayed delivery on the condition of payment of liquidated damages by the bidder / supplier a sum equivalent to 0.50% of the total cost as indicated in the Purchase Order (which will be deemed as agreed price) for each week or part thereof of delay until actual delivery or performance is completed and such penal charges shall be limited to a maximum of 5% of the total cost. Once the maximum is reached NIT-T may proceed on its own to consider the termination / cancellation of the order.
19. Failure to comply with all the terms and conditions mentioned herein would result in the tender being summarily rejected.
20. Vendors are informed that once the companies are shortlisted based on the technical specification, only then the price bids of the firms that meet NIT-T's Technical specification / requirements would be compared.
21. The order will be based on the actual requirement at the time of ordering, optional items may also be ordered based on the actual requirements at the time of ordering. Not quoting for this may result in disqualification.
22. NIT-T reserves the right to modify or alter the specifications after short listing of tenderers.
23. NIT-T reserves the right to reject any or all the tenders without assigning any reasons whatsoever.
24. The agencies should submit their rate as per the format given in Section 4 of the Notice Inviting Tender in this cover. All corrections and overwriting should be initialed. Details of quantity and the specifications are mentioned in Section 3 appended to this Notice Inviting Tender.
25. The item to be used is strictly according to the specification and subject to test by the Institute/concerned authorities. It must be delivered in good working condition.
26. The Contractor/Supplier shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage which he might have derived from the execution of the work/supply in full but he did not derive in consequence of the foreclosure of the whole or part of the works.
27. In case of dispute, the matter will be subject to Tiruchirappalli, Tamil Nadu Jurisdiction only.

Validity of bids: The rate quote should be valid for a minimum of 120 days. No claim for escalation of rate will be considered after opening the Tender.

Amendment of tender document: At any time prior to the last date of receipt of bids, Institute may for any reason, whether at its own initiative or in response to a clarification requested by prospective bidder, modify the Tender document by an amendment.

The Institute may at its own discretion extend the last date for the receipt of bids.

The bidder should give the following declaration while submitting the Tender.

ACCEPTANCE

We accept the above terms and conditions and shall comply with them strictly.

NAME OF THE VENDOR:

ADDRESS :

Signature and seal

“DETAILS OF THE FIRM OFFERING THIS QUOTE”
(Write or print or type in block letters)

1. Name of the firm: _____
2. Date of incorporation: _____
2. Nature of the company (tick one): Government / Public / Private Company / Partnership / Proprietorship
3. Specify the number of years in this line of activity by the Company: _____
4. Quantity of sales in the last three years for the **“TURBINE ROTOR STARTING NOZZLE”** (same model that you have quoted):

2010-2011	2011-2012	2012-2013

5. Turnover in the last three years (Lakh Indian Rupees):

2010-2011	2011-2012	2012-2013

6. Provide the postal address, telephone & fax numbers, and email address of the nearest service center.
7. Number of service engineers in the above location trained on the product quoted along with their educational qualification, certification and designation (applicable only for instruments):
8. Assured response time for service calls in hours: _____
9. Delivery period from the date an official purchase order placed (in weeks): _____
10. Enclose the list of customers to whom you have supplied **“TURBINE ROTOR STARTING NOZZLE”** during the last 3 years ending 31/03/2013 with full postal address and name of the contact person with phone, FAX numbers, and E-Mail id. Certificate regarding satisfactory performance of the **“TURBINE ROTOR STARTING NOZZLE”** from the minimum three end users should be furnished.
11. Are you the authorized dealer or distributor or reseller for the products quoted?
12. Have you supplied **“TURBINE ROTOR STARTING NOZZLE”** to National Institute of Technology, Tiruchirappalli in the last 3 years? If yes, specify the quantity supplied in the last 3 years and last PO reference: _____
13. Was there any elapse or delay in supplying the goods ordered or any service related issue during the warranty period for the products ordered by NIT-T with your firm? If yes, provide details.
14. On Manufacturer’s Side to whom NITT have to contact in case of delayed in supply and other issues committed by the authorized dealer / distributor / reseller :

Contact Person Name:	
Address:	
E-mail ID :	Telephone / Cell Phone :

DECLARATION

I/we have not tampered/modified the tender forms in any manner. In case, if the same is found to be tampered/modified, I/we understand that my/our tender will be summarily rejected and I/we am/are liable to be banned from doing business with NIT, Trichy and /or prosecuted.

Signature of the Bidder :

Name and Designation :

Business Address :

.....

.....

Place :

Date :

Seal of the Bidder's Firm

SECTION : 3 – SCHEDULE OF REQUIREMENTS, SPECIFICATIONS AND ALLIED DETAILS

Specification for TURBINE ROTOR STARTING NOZZLE

The scope of work is as follows.

1. The 3D CAD model of the starting nozzle component will be provided in STL/ STEP format along with 2D machined drawings to the vendor. A 2D machined drawing is given in **Annexure-B**.
2. The component to be manufactured by metal rapid prototyping in Inco -718, a nickel based super alloy suitable for aerospace applications. The vendor should have manufactured nickel based aerospace components through metal rapid prototyping and supplied to aerospace organizations.
3. The vendor has to study the input data and verify for STL data error before preprocessing the data. The model should be oriented in such a way that the part should have better surface finish and minimal support particularly in the core area of the part.
4. The part can be built by adding additional material in the model and it should be finished by machining to achieve the required dimension and profiles if required.
5. After building the part through Metal RP System (melting and solidification of metal powders using laser source by layer-by-layer method), the support should be removed carefully and the part should finished using suitable finishing process (surface roughness about 10 microns in core area).
6. After manufacturing of the part, the vendor shall inform to NITT for deputing the concerned purchase initiator for inspection at the vendor place before the dispatch of the component.
7. The vendor is required to maintain the dimensions of the part within the limitations of the pertinent additive manufacturing process. Carry out suitable inspection and submit inspection report meeting the drawing requirements.
8. Reports pertaining to manufacturing process, parameters, material traceability information, inspection data and related information to be provided along the hardware.

Quantity	:	3 Nos.
Warranty period required (years)	:	1 Year
Delivery schedule expected after release of purchase order (in weeks)	:	2 Weeks
EMD (in Rupees)	:	Nil

SECTION : 4 – PRICE SCHEDULE

To be used by the bidder for submission of the price bid

1. Component Name : **TURBINE ROTOR STARTING NOZZLE**
2. Specifications (confirming to Section 3 of Tender document
Enclose additional sheets if necessary) :
3. Unit cost (In Indian Rupee) (Excluding Taxes) :
4. Quantity :
5. Item cost (Sl.No.3 * Sl.No.4) :
6. Taxes and other charges :
 - (i) Specify the type of taxes and duties in percentages and also in figures
 - (ii) Specify other charges in figures
7. Total cost (Inclusive of all taxes) :
8. Warranty period (confirming to the Section 3 of Tender document.
This should be mentioned in Technical bid also in order to get qualified for price bid) :
9. Delivery Schedule (confirming to the Section 3 of Tender document) :

10. Name and address of the firm for placing purchase order:

Signature of the Bidder :

Name and Designation :

Business Address :

Place :

Date :

Seal of the Bidder's Firm

(Note: All columns should be filled. No column should be left blank. If any column is not filled-in properly or left empty then the bid will be rejected.)

SECTION : 5 – CONTRACT FORM

To be provided by the bidder in their business letter head

[Name of the Supplier's Firm] hereby abide to deliver the **TURBINE ROTOR STARTING NOZZLE** by the delivery schedule mentioned in the Section 3 of the Tender document for supply of the items if the purchase order is awarded.

The item will be supplied conforming to the specifications stated in the tender document without any defect and deviations.

Warranty will be given for the period mentioned in the tender document and service will be rendered to the satisfaction of NIT, Trichy during this period.

Signature of the Bidder :

Name and Designation :

Business Address :

Place :

Date :

Seal of the Bidder's Firm

NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPALLI

Annexure-A

Tender No. & Date: **NITT/R&C/PROD/MDS/GATET/2014/SN**

Dated: 30.06.2014

Bidder's Offer No. & Date:

S. No.	Description of item	Unit (SET /No)	QTY	Rate /Qty in Rs. (excluding of all taxes)	ED in %	VAT/ CST In %	Service Tax in %	Total Value in Rs. (inclusive of all taxes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Supply portion (The price indicated shall be exclusive of all accessories, spares etc. as given in the scope of supply)							
2	Other accessories /spares etc as given in scope of supply(Individual item-wise break-up price shall be attached as an annexure to this price bid format.)							
3	Installation & Commissioning (extra, if any)							
4	Packing & Forwarding charges (extra, if any)							
5	FOR Dispatching station value in Rs.							
6	Freight & Transit insurance charges, extra, if any							
7	Total all inclusive price delivered at NITT							
9	Net cost to be paid by NITT							

Signature & Seal of Vendor

Note: The price bid should be submitted only as per the above format. No row shall be left blank. Please indicate NA, in case the item is "Not Applicable". If this format is not used or any column is left blank, then the bid will be rejected.

Tender No. & Date: **NITT/R&C/PROD/MDS/GATET/2014/SN**

Dated: 30.06.2014

2D machined drawing of TURBINE ROTOR STARTING NOZZLE

