



वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्  
Council of Scientific & Industrial Research  
राष्ट्रीय वांतरिक्ष प्रयोगशालाएं  
National Aerospace Laboratories

Invitation for e-Bids / Notice Inviting e-Tender

Tender No.NAL/PUR/APMF/343/23

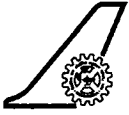
Date:16-Feb-2024

CSIR - National Aerospace Laboratories (NAL), Bengaluru, Republic of India, is one of the premier research laboratories under aegis of Council of Scientific and Industrial Research (CSIR), an autonomous body under the Department of Scientific and Industrial Research, Government of India, New Delhi. CSIR-NAL is a Science and Knowledge based Research, Development and Consulting Organisation. It is internationally known for its excellence in Scientific Research in Aerospace Engineering.

The Director, CSIR-NAL invites e-bids from the Manufacturers, their distributors and Indian Agent of Foreign Principals, if any, for the procurement of the following Goods/Services for its day-to-day research

Sr. No.	Tender No.	Brief Description of material (s)	Quantity	Type of Bid	Mode of Procurement
1	NAL/PUR/APMF/343/23	Supply of Cantilever Drilling and Tapping Integrated Machine	01 Set	Single Stage Single Bid	Open Tender

1. E-Bids are invited through the electronic tendering process and the Tender Document can be downloaded from the e-Tender Central Public Procurement Portal (CPPP) of Government of India, <https://etenders.gov.in>. **The submission of e-Bids will be only through the e-Tender portal <https://etenders.gov.in>. Bids will not be accepted in any other form.**
2. Interested bidders' may obtain further information from the office of the:  
Stores & Purchase Officer  
Purchase Section  
CSIR- National Aerospace Laboratories  
PB No.1779, HAL Airport Road, Kodihalli, Bengaluru – 560017  
Karnataka-India  
Tel #: 080 25086040/6041/6044  
Fax #: 080 25269611  
Email : [purchasck@nal.res.in](mailto:purchasck@nal.res.in), [mkala@nal.res.in](mailto:mkala@nal.res.in)
3. The prospective bidders' should adhere to deadlines specified in Tender Details Screen corresponding to this Tender on E-Tender portal <https://etenders.gov.in>.
4. **Bid Security (BS) / Earnest Money Deposit (EMD):**  
The bidders' has to furnish/submit BID SECURING DECLARATION as per the FORMAT, in the name of "The Director, National Aerospace Laboratories, Bengaluru", without which the bid is liable to be rejected.



5. The Schedule for Submission of e-Bids and Opening of e-Bids is as follows:

Date & Time of Submission of e-Bid		Date and Time of Opening of e-Bid	
Date	Time (IST)	Date	Time (IST)
11-Mar-2024	10:00 Hrs	12-Mar-2024	11:00 Hrs

6. **Open Tender enquiry:**

Only Local suppliers with prescribed local content as detailed in DIPPT Order No. P-45021/2/2017-PP (BE-II) dated 16<sup>th</sup> Sep, 2020 and subsequent orders issued by Ministry of Finance, Government of India from time to time, are eligible for bidding. bidders' must enclose the certificate declaring the local content of supplies as per the format.

7. **Global Tender Enquiry:**

Either the Indian Agent on behalf of the Foreign Principal or the Foreign Principal can bid directly in a tender but **not** both. However, the offer of the Indian Agent should also accompany the authorisation letter from their principal. To maintain sanctity of tendering system, one Indian Agent **cannot** represent **two** different foreign principals in one tender.

- (a) In case of agents quoting in offshore procurements, on behalf of their principal manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry.

One manufacturer can also authorize only one agent/ dealer. There can be only one bid from the following:

i)	The Principal manufacturer directly or through one Indian agent on his behalf; and
ii)	Indian/foreign agent on behalf of only one principal.

- (b) Foreign bidders' must disclose the name and address of agent and representative in India and Indian bidders' must disclose their foreign principal or associates.

- (c) If bidders' is Indian Agent of Foreign Principal, the following instruction shall be complied and as amended from time to time as on the date of issue of Tender:

i)	Bidders' must necessarily comply with conditions of "Make in India" Order No.F-45021/2/2017-PP (BE-II) dated 16-Sep-2020 of Ministry of Commerce and Industry, Government of India, as amended from time to time on the date of issue of Tender.
ii)	The bidders' shall comply with restrictions under Rule 144(xi) of the GFR 2017 related to restrictions on participation of Foreign bidders' and their Authorised Indian Agent/Dealer in terms of Order No.P-45021/112/2020-PP(BE-II) (E-43780) dated 24-Aug-2020 of the Ministry of Commerce and Industry, Department for Promotion of Industry and Internal Trade, as amended from time to time as on the date of issue of Order.

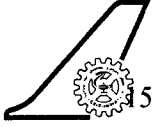
**Note:** Kindly refer to the first page of Notice Inviting Tender for tender type/mode of procurement and submit the bid accordingly

9. The bids of those bidders' failing to comply the following clauses will be summarily rejected.
- The bidders' proposing to supply finished products directly/indirectly from bidders' of Countries sharing the land border with India should submit copy of registration done with the Ministry of Home Affairs and Ministry of External Affairs.
  - If the products supplied are not from bidders' of Countries sharing Land border with India, the bidders' should enclose a declaration
  - The debarment of a bidders' in this tender, if any, is reciprocal of that Principal's Country, if it is Import.

**Note:** Kindly refer to the first page (NIT) for tender type (i.e. Open Tender Enquiry / Global Tender Enquiry) and submit your bid accordingly.

10. As per Govt. of India procurement policies,
- The purchaser intends to give purchase/service preference to local supplies (Preference to Make in India) in case the cost of procurement is up to Rs.50.00 (fifty) lakhs.
  - The procuring entity intends to give purchase/service preference to products/goods manufactured by micro, small and medium enterprises.
11. Bidders' are requested to refer to the instructions regarding Procurement Policies for "Make in India", issued by Ministry of Commerce and Industry, Department of Industrial Policy and Promotion dated. 28-May-2018, and 4-Jun-2020 and guidelines as and when issued.
12. Printed conditions, if any, submitted along with the quotation shall not be binding on us.
13. Bidders' to certify the quoted price is not higher than the price quoted with other Government Institution for similar specifications and quantity during the current financial year.
14. Payments shall be made promptly by the Purchaser but in no case later than thirty (30) days after submission of the invoice or claim by the Supplier. While claiming the payment, the supplier should certify in the bill/invoice that the payment being claimed strictly in terms of the contract and all obligations on the part of the supplier for claiming the payment have been fulfilled as required under the contract.

<b>Mandatory fields in Tax Invoice and Receipt Vouchers</b>	
Invoice Number and Date	Name, address and GSTIN of the supplier
Shipping and billing Address	Customer Name & GSTIN [CSIR-NAL] Bank Details
HSN Code/SAC Code	Place of Supply
Taxable value and discounts	Item details i.e. description, quantity (number), unit, the total value
Signature of the Supplier	Rate and amount of taxes i.e. CGST/SGST/IGST



## CSIR-National Aerospace Laboratories, Bengaluru-560 017, INDIA

15. Kindly, note CSIR-NAL GST No.29AAATC2716R1ZB. The bidders' are requested to furnish their GST no. in their invoice, failing which NAL will not be able to make the timely payment.
16. Unsolicited / conditional / unsigned Quotations/Quotations received after the due date and time shall be summarily rejected. The bidders' shall comply the terms and conditions of the tender, failing which, the offer shall be liable for rejection.
17. The prospective bidders' are requested to refer to the Standard Terms and Conditions available on NAL Internet ([www.nal.res.in](http://www.nal.res.in)) under the icon Tender-Purchase before formulating and submitting their bids'.
18. The Director, CSIR-National Aerospace Laboratories (NAL), Bengaluru, India reserves the right to accept or reject any bids or accept all tenders either in part or in full or to split the order, or to annul the bidding process without assigning any reasons there for.

Thanking you,

Yours faithfully

  
**Stores & Purchase Officer**  
For and on behalf of CSIR-NAL

**General Instructions to Bidders': -**

01. For participation in e-procurement all bidders' (including Foreign Bidders') need to enroll themselves on the CPP Portal (<https://www.etenders.gov.in>). Only enrolled/registered bidders' with the said portal shall be allowed to participate in the e-tendering process.
02. Tender Documents may be downloaded from Central Public Procurement Portal <https://www.etenders.gov.in>. Aspiring bidders' who have not enrolled/ registered in e-procurement should enroll/ register before participating through the website <https://www.etenders.gov.in>. The portal enrolment is free of cost. Bidders' are advised to go through instructions provided at 'Instructions for online Bid Submission'.
03. Tenderers can access tender documents on the website (For searching in the NIC site <https://www.etenders.gov.in>, kindly go to Tender Search option, select tender type and select ' Council of Scientific and Industrial Research' in organization tab and select NAL-Bengaluru-CSIR' in department type Thereafter, Click on "Search" button to view all CSIR-NAL, Bengaluru tenders). Select the appropriate tender and fill them with all relevant information and submit the completed tender document online on the website <https://www/etenders.gov.in> as per the schedule.
04. The bidders's should have Java 8 update 231 version-32 bit for uploading the bid in the CPP Portal.
05. Purchase Section, CSIR-NAL neither operates nor manages the CPP Portal where online bids are submitted and therefore will not be responsible for any technical issues related to bid submission (viz., being not being able to upload bid, blank/missing/part documents etc.,). If bid is incomplete on account of these, it will be treated as such and evaluated further. For any technical queries/issues related to online bid submission, bidders's must directly approach support service of CPP Portal as per the details given on their website.

**Specification of Cantilever Drilling and Tapping integrated machine**

Sl. No.	Description	Specification /Quantity
<b>I.</b>	<b>FEATURES</b>	
01.	Drilling range	Diameter 3 mm to 16 mm or more
02.	Drilling Speed	300 rpm or more
03.	Tapping range	M5 to M 20 or more
04.	Speed ( Spindle )	0-315 RPM or more
05.	Working Depth ( Quill Movement )	80 mm or more
06.	Working Height ( distance from spindle to work table )	400 mm or more
07.	Voltage	220V, 50 Hz
08.	Power	1000 w or less
09.	Weight	Vendor to specify
10.	Drilling arm Radius	850 mm or more
11.	Rotation of the Drilling Head	+/- 90 degree .
12.	Operation capabilities	Fast, Flexible, drilling, tapping, reaming and chamfering without moving the work piece.
13.	Servo motor cover	Heat dissipating cover shall be provided for safety and heat dissipation.
14.	Morse taper	MT-3 or as applicable. Vendor to specify.
15.	Column Diameter	90 mm or more
16.	Rotation of the Arm about the pillar	360 degree
<b>II.</b>	<b>WORKING TABLE :</b>	
01.	Table dimension (Working Table )	800 mm(L) X 500 mm (B) X 500 mm (H) or more
02.	No. of T- Slots	3 slots
03.	Width of T- Slot	14 mm
04.	Table height with wheel	600 mm or better
05.	Magnetic table /Magnetic seat	Magnetic Force – 2000 KGS or more. The machine shall be supplied along with a Magnetic table of suitable capacity to mount the pillar of the drilling machine for carrying of drilling/tapping operation without the working table.
<b>III.</b>	<b>SPIRAL FLUTE TAP SET RANGE:</b>	<b>HSS TAP SETS for tapping of Steel with hardness of 20-25 Hrc.</b>
01.	Tap Set M5 X 0.8 Pitch	1 no
02.	Tap set M6 X 1.00 pitch	1 no.
03.	Tap set M8 x 1.25 pitch	1 no.
04.	Tap set M10 X 1.5 pitch	1 no.
05.	Tap set M12 X 1.75 pitch	1 no.
06.	Tap set M16 X 2.0 pitch	1 no.
07.	Tap set M20 X 2.5 Pitch	1 no.
<b>IV.</b>	<b>DRILLS FOR THE ABOVE TAP SETS</b>	<b>HSS Drill for drilling of steel material with hardness of 20-25 Hrc.</b>
01.	Diameter 4.2 mm	1 no
02.	Diameter 5.0 mm	1 no
03.	Diameter 6.8 mm	1 no
04.	Diameter 8.5 mm	1 no.
05.	Diameter 10.2 mm	1 no
06.	Diameter 14 mm	1 no
<b>V.</b>	<b>STANDARD ACCESSORIES :</b>	
01.	Drilling adapter with chuck ( Key less )	1 no.
02.	Tapping Adapter with Tapping Spindle	1 no.
03.	Torque Wrench	1 no.

04.	Power cable	1 no.
05.	User Manual , Electrical Circuit diagram and manuals	1 set
06.	Standard Collet sets	ISO GT/12 or Vendor to specify. The vendor shall supply the collet wrench and tools as required.
	a. M 5	1 no.
	b. M 6-8	1 no.
	c. M 10	1 no.
	d. M 12	1 no.
	e. M 16	1 no.
	f. M 20	1 no.
07.	Quick Change Handle	To be provided
<b>VI.</b>	<b>TRAINING</b>	
	Location	At CSIR-NAL , Kodihalli , Bangalore
	Number of persons	3
	Period of inspection & Training	3 working days
	Nature of Training	Training in respect of operation, Setting of Job, maintenance of the machine, shall be provided.
<b>VII</b>	<b>INSTALLATION AND COMMISSIONING</b>	
1.	Installation site	CSIR- NAL , Kodihalli , Bangalore 560017
2.	Power supply to the machine	CSIR-NAL Shall provide the requisite power supply to the machine at the designated site.
3.	First fill of oil ( if required )	Hydraulic oil if required shall be provided by the Vendor .
4.	Civil Work / Foundation	CSIR-NAL Shall carry out the civil work as per the drawing provided by the vendor, if required.
5.	Man power. Tools , Accessories, Material handling equipment's required for installation	To be arranged by the Vendor, However, Crane facility (3 Tons capacity) available at site shall be utilized for unloading.
<b>VIII.</b>	<b>WARRANTY</b>	One Year from the date of installation and acceptance at CSIR-NAL. Bangalore .
<b>IX.</b>	<b>OTHER POINTS</b>	
1.	Technical Compliance	The vendor shall submit the Technical compliance in the Tabular format only. Numerical Values may be provided wherever applicable. Machine Catalogue, Brochure shall be provided along with the quotation.
2.	Submission of Quotation	The vendor shall submit the break up cost for all the items, Standard accessories, spares, machine tools, Drills, taps, training, installation and Commissioning etc. for better understanding.

**Tender No.:**

**BID-SECURING DECLARATION FORM**

Date: \_\_\_\_\_

Bid No. \_\_\_\_\_

To (insert complete name and address of the purchaser)

I/We. The undersigned, declare that:

I/We understand that, according to your conditions, bids must be supported by a Bid Securing Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of one year from the date of notification if I am /We are in a breach of any obligation under the bid conditions, because I/We

(a)	have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or
(b)	having been notified of the acceptance of our Bid by the purchaser during the period of bid validity
	(i) fail or reuse to execute the contract, if required, or
	(ii) fail or refuse to furnish the Performance Security, in accordance with the Instructions to Bidders.

I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our Bid.

Signed: (insert signature of person whose name and capacity are shown)  
in the capacity of (insert legal capacity of person signing the Bid Securing Declaration).

Name: (insert complete name of person signing the Bid Securing Declaration)

Duly authorized to sign the bid for an on behalf of : (insert complete name of Bidder)

Dated on \_\_\_\_\_ day of \_\_\_\_\_ (insert date of signing)

Corporate Seal (where appropriate)

**(Note: In case of a Joint Venture, the Bid Securing Declaration must be in the name of all partners to the Joint Venture that submits the bid)**



**Tender No.:**

**Certificate of Local Content  
(to be enclosed along with Technical Bid)**

We M/s. \_\_\_\_\_ (Name of Bidder) hereby certify that we meet the minimum

Local content for the Goods and services offered vide our offer/bid No. \_\_\_\_\_ dated

\_\_\_\_\_ as specified below:

➤ Class-I Local Supplier with local content of 50% and above

OR

➤ Class-II Local Supplier with local content of 20% and above but less than 50%  
(Tick appropriate category of Local Supplier)

We are not claiming the services such as transportation, insurance, installation, commissioning, training, after sales service (warranty or AMC/CMC support), consultancy and custom clearance including custom duty as local value addition.

We are aware that the false declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules (Govt of India) for which we or our successors can be debarred for up to two years as per Rule 151 (iii) of the General Finance Rules along with such other actions as may be permissible under law.

Signed : [insert signature of person whose name and capacity are shown]  
In the capacity of [insert legal capacity of person signing the Bid Submission Form]

Name : [insert complete name of person signing the Bid Submission Form]

Duly authorized to sign the bid for and on behalf of: [insert complete name of Bidder]

Dated on \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ [insert date of signing]

**Tender No.:**

**Certificate of Price break up of Local Content  
(to be enclosed along with Price Bid)**

Ref: Clause 1.30.9 and Chapter-9(Part-A) of the Tender No. \_\_\_\_\_

We, M/s. \_\_\_\_\_ (Name of Bidder) hereby certify that we meet the minimum

Local content for the Goods and services offered vide our offer/bid No. \_\_\_\_\_ dated

\_\_\_\_\_ as specified below:

- Class-I Local Supplier with local content of 50% and above  
OR
- Class-II Local Supplier with local content of 20% and above but less than 50%  
(Tick appropriate category of Local Supplier)

Minimum Local content is \_\_\_\_\_ % as per Price break up given below:

Component of Cost		Imported Product		Domestic value addition to product	
		In Foreign Currency US% or specify	In Rupees Exchanged Rate 1 US\$ - Rs.	In Rupees	Location of value addition
<b>Goods</b>					
i)	Material				
ii)	Equipment				
iii)					
	Total Quoted Price = [X + Y]		X=	Y=	

$$\% \text{ Local Content} = \left[ \frac{Y}{X + Y} \times 100 \right]$$

We are not claiming the services such as transportation, insurance, installation, commissioning, training, after sales service (warranty or AMC/CMC support), consultancy and custom clearance including custom duty as Local value addition.

We are aware that the false declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules (Govt. of India) for which we or our successors can be debarred for up to two years as per Rule 151 (iii) of the General Finance Rules along with such other actions as may be permissible under law.

**Signed:** [insert signature of person whose name and capacity are shown]

**In the capacity of** [insert legal capacity of person signing the Bid Submission Form]

**Name:** [insert complete name of person signing the Bid Submission Form]

**Duly authorized to sign the bid for and on behalf of:** [insert complete name of Bidder]

Dated on \_\_\_\_\_ day of \_\_\_\_\_,

### TERMS & CONDITIONS

<b>Tender No.</b>	NAL/PUR/	
<b>Sr. No.</b>	<b>Approximate weight of the Consignment</b>	<b>Approximate dimensions of the consignment</b>
1		
2	Indian Customs Tariff No. and HSN No. (ICT & HSN No.)	
3	Country of Origin	
4	Percentage of Local Content	
5	Annual Turnover	
6	Type of Supplier	
7	Mode of Shipment By Air / SEA / Road / e-download	
8	<b>Port of Destination</b>	<b>Final Destination</b>
9	Delivery Term (INCO Term), as the case may be	
10	Delivery Schedule including Supply, Installation, Commissioning, Training & Acceptance	
a)	Delivery of the Item BoQ/NIT [In weeks / Days / Months] from the date of PO / LC / ILC / Advance <b>[Mention the appropriate term]</b>	
b)	Installation & Commissioning from the date of Delivery of item [In weeks/Days/Months]	
c)	Training from the date of Installation & Commissioning of item [In weeks/Days/Months]	
d)	Acceptance from the date of Training [In weeks/Days/Months]	
11	Installation & Commissioning (if any) Quoted Price inclusive or exclusive	

12	Training (if any) Quoted Price inclusive or exclusive	
13	Partial Shipment [If partial shipment required, the charges incurred towards partial shipment to be borne by Bidder]	
14	Payment Term	
15	Currency of Bid/Quotation	
16	Statutory Levies [GST/IGST or any other taxes, duties] % of tax to be mentioned.	
17	Bidder GST No.	
18	Bidder Bank Details along with Cancelled cheque	
19	Insurance Coverage	
20	Warranty	
21	Agree to submit Performance Security, if any	
23	Validity of offer	
24	Order to be placed [Full address, Tel #, Fax #, Email Id, Contact Person]	

25	Nature of the item <b>[to be specified]</b>  Hazardous/Radio Active/ Perishable/ Dangerous/ Shelf-life or any other	
26	Bidder to mention in the quote, any special carrier requirement is necessary for transport viz Special License, ODC etc.,	
27	Any other	
28	Total Price quoted as per BoQ/Price Schedule/List of Deliverables exclusive of tax	
29	Total Price quoted as per BoQ/Price Schedule/List of Deliverables inclusive of tax	
<b>Note:</b>	<b>Unit Price indicating currency FOB (named port of shipment or FCA (named place of delivery)</b>	

Tender No.:

**Format for declaration by the Bidder for Code of Integrity & Conflict of Interest (This declaration should be furnished on the Bidders Letter Head**

Ref. No: \_\_\_\_\_

Date \_\_\_\_\_

To,

\_\_\_\_\_

\_\_\_\_\_  
(Name & address of the Purchaser)

Sir/Madam,

With reference to your Tender No. \_\_\_\_\_ dated \_\_\_\_\_ I/We hereby declare that we shall abide by the Code of Integrity for Public Procurement as mentioned under Para 1.3.0 of ITB of your Tender document and have no Conflict of Interest.

The details of any previous transgressions of the Code of Integrity with any entity in any country during the last three years or of being debarred by any other Procuring Entity are as under:

- a)
- b)
- c)

We undertake that we shall be liable for any punitive action in case of transgression/contravention of this code.

Thanking you,

Yours Sincerely,

Signature  
(Name of the Authorised Signatory)  
Company Seal

Tender No.:

### SELF CERTIFICATION

With reference to Clause No. 1.1.3, of this tender and GoI, Ministry of Finance Order No.: F. No. 6/18/2019-PPD, dated 23rd July, 2020, on “Restrictions under Rule 144 (xi), of the General Financial Rules (GFRs)”, & OM No. F. No. 18/37/2020-PPD, dated 8<sup>th</sup> February, 2021, and as amended from time to time on the date of issue of Tender:

It is certified that

- We are not a bidder of a country which shares a land border with India.

OR

- We are a bidder of a country which shares a land border with India, however, we are eligible to bid in any procurement whether of goods or services as we are registered with the Competent Authority as specified in Ministry of Finance (GoI) Order No. 6/18/2019 – PPD, dated 23rd July 2020. Copy of valid registration is attached.
- Tick as applicable

Place:

Date:

Authorised Signatory Name:  
Company Seal