

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



CSIR - NAL Estd. 1959  
ISO 9001 : 2015  
Certified Organization

INVITATION FOR TENDERS

Tender No. NAL/PUR/ACD/531/21-Y

Dated: 21/09/2022

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 online quotation for procurement of the following item(s) for day to day research work.

| Sl. No.                                            | Description of Item(s)                                                                              | Unit  | Quantity |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------|----------|
| 1                                                  | Porous release film<br>Thickness: 25 micron<br>Max Use temp: 260 deg C                              | Rolls | 02       |
| 2                                                  | Vacuum bag sealant tape<br>Width: 25mm<br>Max use temp: 200 deg C                                   | Rolls | 60       |
| 3                                                  | Resin distribution medium<br>Max use temp: 200 deg C                                                | Rolls | 03       |
| 4                                                  | Silicone base uncured rubber sheet<br>Thickness: 1.5-2mm<br>Max use temperature: 260 deg C          | Rolls | 01       |
| 5                                                  | Silicon base Cured rubber sheet<br>Thickness: 2mm<br>Max use temperature: 260 deg C                 | Rolls | 01       |
| 6                                                  | Teflon coated glass fabric with adhesive<br>Thickness: 125 micron<br>Max use temperature: 260 deg C | Rolls | 08       |
| (Please refer annexure for detailed specification) |                                                                                                     |       |          |

| Single / Double Bid Only    | Single                                                     | Tender Type             | Global                   |
|-----------------------------|------------------------------------------------------------|-------------------------|--------------------------|
| Bid Security (EMD) (in INR) | Bid Security Declaration should be enclosed with quotation | Bid submission end date | 13-Oct-2022<br>10.00 Hrs |
| Performance Security        | Nil                                                        | Bid opening date        | 14-Oct-2022<br>11.00 Hrs |

01. Tender Documents may be downloaded from Central Public Procurement Portal <https://www.etenders.gov.in>. Aspiring Bidders' who have not registered in e-procurement can register free of cost before participating through the website <https://www.etenders.gov.in>. Bidders are advised to go through instructions provided at 'Instructions for Online Bid Submission'.

पी बी सं. 1779, एचएएल एयरपोर्ट रोड, कोडिहल्ली, बेंगलुरु - 560 017, भारत,  
P B No 1779, HAL Airport Road, Kodihalli, Bengaluru - 560 017, INDIA  
फोन / Phone : ( का./ Off ) : +91 - 80 - 2508 6040 - 45, फैक्स / FAX : +91-80-2526 9611



<http://www.nal.res.in>



[purchasek@nal.res.in](mailto:purchasek@nal.res.in)



02. 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 organisation 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 given in the next page.
03. a. 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
- b. 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 (GoI) from time to time, are eligible for bidding. Bidders must enclose the certificate declaring the local content of supplies as per our standard form.
- Note: Kindly refer to the first page (NIT) for tender type (i.e. Open Tender Enquiry / Global Tender Enquiry) and submit your bid accordingly.
04. Unsolicited / conditional / unsigned Quotations/Quotations received after the due date and time shall be summarily rejected. The Bidder shall comply the terms and conditions of the tender, failing which, the offer shall be liable for rejection.
05. The bids' failing to comply with the following clauses will be summarily rejected.
- a. The Bidders' proposing to supply finished products directly/indirectly from vendors' of countries sharing the land border with India should submit a copy of registration done with DPIIT.
- b. If the products supplied are not from vendors of countries sharing land border with India, the Bidders' have to enclose a declaration to that effect.
06. As per Govt. of India procurement policies,
- a. The purchaser intends to give purchase preference to local supplies (Preference to Make in India) in case the cost of procurement is up to Rs. 50.00 lakhs.
- b. The procuring entity intends to give purchase preference to products/goods manufactured by micro, small and medium enterprises.
07. 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.

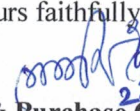


## CSIR-National Aerospace Laboratories, Bengaluru-560 017, INDIA

08. Kindly, note CSIR-NAL **GST No. 29AAATC2716R1ZB**. And the bidders' are requested to furnish their GST No. in their invoice failing which we will **not** be able to make timely payment.
09. Printed conditions, if any, submitted along with your quotation shall not be binding on us.
10. 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'.
11. The Director, CSIR- National Aerospace Laboratories, Bengaluru reserves the right to accept any or all the tenders either in part or in full or to split the order without assigning any reasons there for.

Thanking you,

Yours faithfully

  
24/09/2022  
**Stores & Purchase Officer**  
For and on behalf of CSIR-NAL



Autoclave consumables for high temperature composite processing

| Sl. No. | Item description          | Specification                                                                                                                                                                                                                                                                                                                                                                                                                                                | Quantity                                 |
|---------|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| 1       | Porous release film       | High temperature porous release film<br>Material: ETFE / FEP<br>Perforation type: 0.3mm-0.5mm hole staggered at 1.5mm-3mm<br>Thickness: 25µm<br>Width: 1.5m<br>Length: 100<br>Max use temp: 260°C<br>Colour: Preferably red                                                                                                                                                                                                                                  | 2 Roll<br>(1 roll: ~150 m <sup>2</sup> ) |
| 2       | Vacuum bag sealant tape   | High temperature vacuum bag sealant tape<br>Base material: synthetic elastomeric material<br>Should be compatible with nylon vacuum bagging films and composite and metal tools<br>Adhesion: Tenacious adhesion with bagging film<br>Hazardous: non-hazardous material<br>Should withstand extended cure cycle of 6-8 hrs with better thermal stability at 180°C<br>Dim: 9m x 25mm x 3mm (l x w x t)<br>Max use temp: 200°C<br>Shelf life: 12 months at 22°C | 60 Roll<br>(1 case: 20 rolls)            |
| 3       | Resin distribution medium | High temperature resin distribution medium<br>Base material: Polyamide /PET or compatible<br>Weave style: Knitted mesh<br>Resin flow: slow to medium (control flow)<br>Width: 1m-1.2m<br>Length: 100m<br>Max use temperature: 200°C<br>Shelf life: unlimited at 22°C                                                                                                                                                                                         | 3 Roll<br>(1 roll: ~100 m <sup>2</sup> ) |
| 4       | Uncured rubber sheet      | High temperature uncured rubber sheet<br>Base material: silicon/ equivalent<br>Thickness: 1.5-2mm<br>Width: 1m-1.5m<br>Length: 20m<br>Max use temperature: 260°C<br>Shelf life: ≥12 months at 22°C                                                                                                                                                                                                                                                           | 1 Roll<br>(1 roll: ~20 m <sup>2</sup> )  |

*[Signature]*  
27/09/2022



|   |                                          |                                                                                                                                                                                                                                                                                                                                       |                                         |
|---|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| 5 | Cured rubber sheet                       | High temperature cured rubber sheet<br>Base material: silicon/ equivalent<br>Thickness: 2mm<br>Width: 1m-1.5m<br>Length: 20m<br>Max use temperature: 260°C<br>Shelf life: unlimited at 22°C                                                                                                                                           | 1 Roll<br>(1 roll: ~20 m <sup>2</sup> ) |
| 6 | Teflon coated glass fabric with adhesive | Non-Porous Teflon (PTFE) coated glass fabric with silicon adhesive<br>Base material: fiberglass coated with teflon<br>Adhesive: silicon<br>Fabric thickness: 75µm<br>Adhesive thickness: 50µm<br>Total thickness fabric + adhesive: 125µm<br>Width: 1m<br>Length: 50m<br>Max use temperature: 260°C<br>Shelf life: ≥12 months at 22°C | 8 Roll<br>(1 roll: 50 m <sup>2</sup> )  |

## Note:

1. Packing per roll: as shown in table against each item
2. Supply the process consumables along with manufacturers release notes, Certificate of Conformity (CoC), Test Reports and Test Data Sheet wherever applicable.
3. The **Manufacturing date** and **Expiry date** should be clearly mentioned in the format – **mm/dd/yyyy** in the Certificate of Conformity wherever applicable.
4. Partial shipment is not allowed.
5. Delivery within 3 months from the release of the purchase order.
6. Items to be delivered to CSIR-NAL central stores along with all relevant documents.
7. A copy of all the documents should be send along with materials.

*comple*  
22/07/2022

### 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<br><br>(i) fail or refuse to execute the contract, if required, or<br><br>(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 and on behalf of: (insert complete name of Bidder)

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

Corporate Seal (where appropriate)

Note:

1. 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.
2. Bid Security declaration must be signed in by the Proprietor/CEO/MD or equivalent level of Officer of the company.