



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

INVITATION FOR TENDERS

Tender No. NAL/PUR/CCF/059/23

Dated: 28/06/2023

CSIR - National Aerospace Laboratories (NAL), Bengaluru, Karnataka, 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(s) for the procurement of the following item(s) for day to day research work.

Sl. No.	Description of Item(s)	Unit	Quantity
1	FRP protective lining for DM water generation unit (one set consisting of 07 tanks and end caps) with 1mm Bisphenol fumarate A resin - as per attached details	Set	01
2	FRP grating for drain trench in the DM water plant - as per attached details	Set	01

Single / Double Bid Only	Single	Tender Type	Open
Bid Security (EMD) (in INR)	Bid Security Declaration should be enclosed with quotation	Bid submission end date	24-July-2023 10.00 Hrs
Performance Security	Nil	Bid opening date	25-July-2023 11.00 Hrs

01. Tender document(s) may be downloaded from the Central Public Procurement Portal i.e., <https://www.etenders.gov.in>. Aspiring Bidders' who have not registered in the portal can do the same at free of cost before participating in our tendering process. Bidders are advised to go through instructions provided at 'Instructions for Online Bid Submission', in the portal.
02. Tenderer's can access tender document(s) 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 in the website 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



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

Note: Kindly, refer to the first page of Notice Inviting Tender 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 should comply with the terms and conditions of the tender, failing which, their offer will 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 Government 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 (fifty) 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.
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 will 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) 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 reason(s) thereof.

Thanking you,

Yours faithfully

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

FRP work

1. FRP lining

1.1. Description of work

To provide FRP protective lining for DM water generation unit (one set consisting of 07 tanks and end caps) with 1 mm Bisphenol fumarate A Resin

1.2. Detail description of work

The DM water plant at CCFP is used to generate/regenerate DM water for using in the process areas. The DM water regeneration process requires the usages of highly corrosive materials like sodium hydroxide (NaOH), hydrochloric acid (HCl), sodium chloride (NaCl), hence require suitable protection against the corrosive chemicals. Therefore, FRP lining (inner side) need to be provided for the tanks as given in **Table 1**.

Table 1: Tank details

Tank ID	Technical details	Dimension (ft. x ft.)	Remarks
T1	Dual media filter	4.5 ft. x 5 ft.	
T2	Cation bed	5.5 ft. x 5 ft.	
T3	Degasser tower	7 ft. x 4.25 ft.	
T4	Anion bed	3.5 ft. x 5 ft.	
T5	Mixed bed	2.5 ft. x 5 ft.	
T6	Dual media filter for softener plant	6.5 ft. x 5 ft.	
T7	softener bed	6.5 ft. x 5 ft.	

2. FRP grating

2.1. Description of work

FRP grating for drain trench in the DM water plant

2.2. Detail description of work

Grating type acid proof FRP cover are required for Drain trenches in DM Water plant at CCFP NAL. The details of drain trench area are given in **Table 2**.

Table 2: Drain trench area details

Sl. No.	Dimension	No's	Remarks
1	22 ft. x 370 mm	01	
2	3 ft. x 450 mm	03	
3	17.5 ft. x 370 mm	01	
4	8 ft. x 370 mm	01	
5	5 ft. x 370 mm	01	
6	500 mm x 450 mm	01	
7	11 ft. x 370 mm	01	Solid FRP cover plate
8	3 ft. x 370 mm	02	Solid FRP cover plate

(Signature)
28/06/23