

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 BIDS/NIT

Tender No. NAL/PUR/ACD/276/21-Y

Dated: 09-Nov-2021

CSIR- National Aerospace Laboratories (NAL), Bengaluru, India is one of the premier laboratories under Council of Scientific and Industrial Research (CSIR), an autonomous body under Department of Scientific and Industrial Research, Government of India, New Delhi. CSIR-NAL is a Science and Knowledge based Research, Development and Consulting Organization. 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 Items	Unit	Quantity
1	Structural steel material.	Set	01
Please refer annexure for detailed specification.			

Single / Double Bid	Single	Tender Type	Open
Bid Security (EMD) (in INR)	Bid Security Declaration should be enclosed with quotation	Bid submission end date	29-Nov-2021 10.00 Hrs
Performance Security	Nil	Bid opening date	30-Nov-2021 11.00 Hrs

01. 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'.
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 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 given in the next page.
03. 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 authorization letter from their principal. To maintain sanctity of tendering system, one Indian Agent cannot represent two different Foreign principals in one tender.
04. Unsolicited / conditional / unsigned tenders (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 of those Bidders 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 copy of registration done with the Ministry of Home Affairs and Ministry of External Affairs.
  - 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.

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



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



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

06. Bidders are requested to refer to the instruction 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.
07. **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**
08. 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.

  
Section Officer (S&P)  
For and on behalf of CSIR

## TECHNICAL SPECIFICATION OF STRUCTURAL STEEL MATERIAL

### 1 SCOPE OF THE TECHNICAL SPECIFICATION

This specification lists the technical requirements for the manufacture, inspection, testing, packing and supply of steel material as per dimensions and properties listed in this specification and conforming to the standards and additional requirements set herein.

### 2 SCOPE OF THE ORDER

The scope of order includes:

- 2.1 Supply of material according to this technical specification,
- 2.2 Acceptance tests and supply of test certificates for all the tests mentioned in this document
- 2.3 Packaging for safe transport to the Purchaser's site.

### 3 TECHNICAL REQUIREMENTS

#### 3.1 Material Designation, Grade and Temper

Reputed make structural steel material confirming to IS 2062 grade A, virgin, finished and cut approximately to the sizes as mentioned in table 1. The MS Plate shall be made by cold rolling and shall be in annealed condition. Sheet shall be of weldable quality, free from rust and pitting. Standard section (ISMB, ISMC, ISA beams) shall be Hot Rolled and of weldable Quality.

**Table-1: Material Dimensions and Quantity for Mild Steel**

SL NO	DESCRIPTION	SIZE (IN MM)	LENTH	QUANTITY (In No's)	Weight (in kg)	Specification
	Square Hollow Sections	25 X 25 X2.5	20 FEET	50	510	IS 4923 YST 310 grade
		30 X 30 X 2	20 FEET	10	101	
		30 X 30 X 3	20 FEET	20	300	
		50 X 50 X 4	20 FEET	20	680	
		50 X 50 X 5	20 FEET	20	810	
		100 X 100 X 6	20 FEET	10	1010	

		150 X 150 X 6	20 FEET	05	800	
2	Rectangular Hollow Sections	50 X 25 X 3	20 FEET	20	380	IS 4923 YST 310 grade
		50 X 100 X 5	20 FEET	20	1250	
3	ISMC 'C' CHANNELS	C 75 X 40 X 5	20 FEET	20	870	IS-808 of grade E 250A
		C 125 X 65 X 6	20 FEET	20	1600	
		C 200 X 75 X 6	20FEET	10	1400	
4	ISMB BEAM	250 X 125	20 FEET	08	2000	IS-808 of grade E 250A
		300 X 140	20FEET	05	1500	
5	ISA 'L' ANGLE	25 X 25 X 3	20FEET	20	135	IS-808 of grade E250A
		60 X 60 X 6	20FEET	20	660	
		75 X 75 X 8	20FEET	10	540	
		100 X 100 X 8	20FEET	05	370	
6	M S PLATES	Thickness 06 mm	5ft x20ft	03	1320	IS 2062 grade E250A
		Thickness 08 mm	5ft x20ft	03	1750	
		Thickness 12 mm	5ft x20ft	03	2630	
		Thickness 16 mm	5ft x20ft	03	3500	
7	M S FLATS	50 X 6 mm	20 FEET	10	150	IS 2062 grade E250A
		50 X 3 mm	20 FEET	20	150	
		40 X 6 mm	20 FEET	20	230	
		75 x 6 mm	20 FEET	20	430	
8	M S RODS	Dia 16mm	20 FEET	20	200	IS 2062 Grade E250A
		Dia 20 mm	20 FEET	20	300	
		Dia 25 mm	20 FEET	20	470	
		Dia 30 mm	20 FEET	20	680	
		Dia 60 mm	20 FEET	20	2720	

**4 Terms and Conditions:**

- A. Supplier shall send genuineness certificate of material along with supply.
- B. Supplier shall submit guarantee certificate for the supplied material along with supply.
- C. The supplier has to submit Original mill test certificate for MOC of structural steel material from NABL/Govt. accredited lab. The Certificate shall include Chemical Composition and Mechanical Properties i.e. Yield Strength, Tensile Strength, Percentage Elongation in length/Reduction in Area, Hardness etc. of steel being supplied. The chemical composition and mechanical properties of material shall be as per IS 2062 Gr. E-250 Sub-Quality A. if original mill test certificate is not available then supplier has to carry out mechanical & chemical tests as per IS-1852 latest edition.
- D. The supplied structural material dimension, tolerances and allowances should be as per IS 1852 latest edition.
- E. The steel shall be devoid of any surface defects i.e. burrs, pitting, laminations, cracks, penetration marks, non-uniform surface.
- F. Each part shall be marked with heat number and the name of the manufacturer shall be clearly marked on the material.
- G. Quotation should be given for all on weight basis (price/kg)
- H. Material should accompany, Manufacturer test certificate indicating its chemical composition test, mechanical test and any heat/cold treatment test
- I. No partial shipment allowed. Item should be supplied within 3 weeks after receiving PO
- J. Item should be delivered to NAL central stores without any additional cost
- K. The material shall be packed properly to prevent damage during transit. Damaged material received at site shall be rejected and supplier shall arrange for replacement of the same without additional cost implications.

**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 refuse 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:**

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.