

Tender ID: GEM/2025/B/6084043

**PROCEEDINGS OF THE PRE-BID CONFERENCE HELD ON 04<sup>th</sup> April 2025 THROUGH WEBEX TOWARDS "FABRICATION AND SUPPLY OF STEEL TOOL FOR MANUFACTURE OF NOSE CONE RADOME OF SARAS MK2 AIRCRAFT"**

The Pre-bid Conference was held and the following T&PC members attended the meeting: -

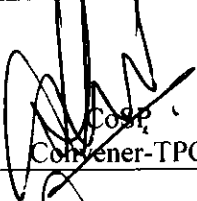
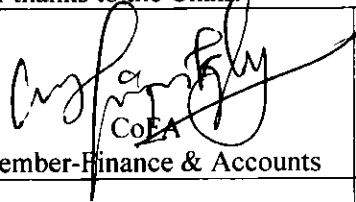
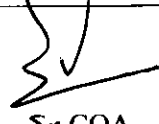

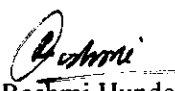

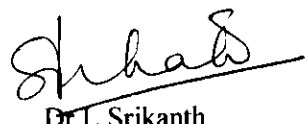
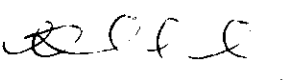
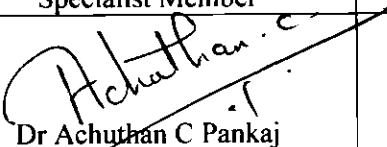
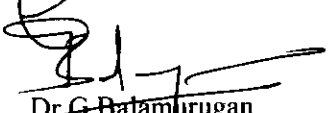
Sl. No.	Name & Designation	Role
1	Dr. G. Balamurugan Chief Scientist	Chairman
2	Dr. Achuthan C Pankaj Chief Scientist	Member / Alt. Chairman
3	Mr. J. Dhayanidhi Chief Scientist	Member
4	Mr. Dilip Kumar Sahu Sr. Technical Officer-3	Member
5	Ms. Rashmi Hundekari Chief Scientist	PD-SARAS Member
6	Mr. Satish S. Nimbal Sr. Principal Scientist	Specialist Member
7	Dr. Kundan Kumar Verma Principal Scientist	Specialist Member
8	Dr. L. Srikanth Sr. Principal Scientist	Member - Convener (TSC)
9	Mr. Gaddikeri Kotresh Chief Scientist	Project Leader
10	COA or his/her representative	Member
11	COFA or his/her representative	Member
12	CoSP or his representative	Convener (T&PC)

The list of Prospective bidders who attended the Pre-bid Conference is as per **Annexure-I**.

At the outset, the Chairman welcomed all the Members and the representatives of the Bidders and briefed in general the scope of the Project. The Indenting Officer read out the clarification sought by the bidders and the reply there to is as detailed in **Annexure-II (Part A: Technical Clarification and Part B: Commercial Clarification, if any)**.

The representatives present were satisfied with the replies given and it was informed that the corrections / additions / clarifications given, as discussed during the Pre-Bid Conference would be hosted on the CPP portal/website of CSIR-NAL and all prospective bidders are required to take cognizance of the proceedings of the Pre-Bid Conference before formulating and submitting their bids as stipulated in bidding Documents.

The meeting ended with a vote of thanks to the Chair.

 CoSP Convener-TPC	 CoEA Member-Finance & Accounts	 Sr. COA Member- Admin
 Mr. J. Dhayanidhi Member	— Mr Dilip Kumar Sahu Member	 Ms. Rashmi Hundekari Chief Scientist
 Dr Kundan Kumar Verma Specialist Member	— Mr Satish S Nimbal Specialist Member	 Dr L Srikanth IO/ Convener (TSC)
 Mr Kotresh M Gaddikeri Project Leader	 Dr Achuthan C Pankaj Member / Alt Chairman	 Dr G Balamurugan Chairman-T&PC (S)

NATIONAL AEROSPACE LABORATORIES  
BENGALURU - 560 017

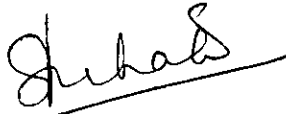
TENDER ID:  
TENDER NO.:  
DATE & TIME :  
VENUE:

GEM/2025/B/6084043  
NAL/PUR/ACD/253/24-S  
4-Apr-25  
THROUGH WEBEX

ANNEXURE - I

Pre-Bid Conference for Fabrication and supply of Steel Tool for Manufacture of Nose Cone Radome of SARAS MK2 Aircraft

Sl. No.	Name of the Firm	Name & Designation of Representative	E-tender Registration (Yes/No)	Email ID
1	M/s Ace Multi Axes Systems Limited, Bengaluru	Mr Yakub		
2	M/s. MetrolabE, Pune	Mr Ajit Singh & Mr Karthikeyan		
3	M/s. Gopalan Aerospace, Bengaluru	Mr Ujjwal		
4	M/s. Ripple Technologies, Bengaluru	Mr Suhas		
5	M/s. Ananda Fabrications, Coimbatore	Mr Sivaraman		
6	M/s. Yoagshri Heavy Engg. Pvt. Ltd., Hosur	Mr Pushparaj		
7	M/s. Alpha Tocol Engg. Services Pvt. Ltd., Bengaluru	Mr Pradeepa		



Signature of Indentor



Signature of Project Leader


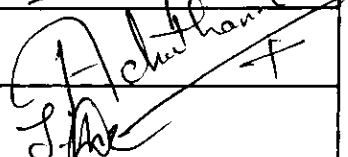





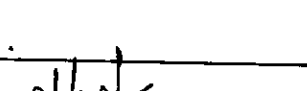

CSIR-NATIONAL AEROSPACE LABORATORIES  
BENGALURU - 560 017

ANNEXURE - I

TENDER ID: GEM/2025/B/6084043  
TENDER NO.: NAL/PUR/ACD/253/24-S  
DATE & TIME : 4-Apr-25  
VENUE: THROUGH WEBEX

Pre-Bid Conference for Fabrication and supply of Steel Tool for Manufacture of Nose Cone Radome of SARAS  
MK2 Aircraft

ATTENDANCE SHEET - T&PC MEMBERS

Sl. No.	Name		Signature
1	Dr. G. Balamurugan	Chairman -T&PC	
2	Dr. Achuthan C Pankaj	Member / Alt. Chairman	
3	Mr. J. Dhayanidhi	Member	
4	Mr. Dilip Kumar Sahu	Member	—
5	Ms. Rashmi Hundekari	PD-SARAS	
6	Mr. Satish S. Nimbal	Specialist Member	—
7	Dr. Kundan Kumar Verma	Specialist Member	
8	Dr. L. Srikanth	Member- Convenor -TSC	
9	Mr. Gaddikeri Kotresh	Project Leader	
10	COFA or his/her representative	Member	
11	COA or his/her representative	Member	
12	CoSP or his representative	Convenor (T&PC)	

## ANNEXURE-II (PART A)

CSIR-NATIONAL AEROSPACE LABORATORIES  
BENGALURU

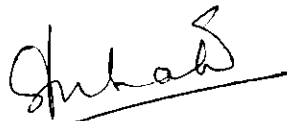
## TECHNICAL QUERIES &amp; CLARIFICATION

Tender Id : GEM/2025/B/6084043

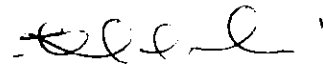
Tender No. : NAL/PUR/ACD/253/24-S

Item Description : Fabrication and supply of Steel Tool for Manufacture of Nose Cone Radome of SARAS MK2 Aircraft

Sl. No.	Query / Clarification Sought	Clarification/Amendment
1.	Can the Steel Tool be manufactured by Casting process? (M/s. Metrolab Engg., Pune)	<b>Clarification:</b> No, the tool shall be manufactured by SA516 Gr. 70 weldable steel by machining process; as per Sec. 4.2 & 4.2.1 of Chapter 4 of tender document
2.	Is Stress Relieving required? (M/s. Ananda Fabrications)	<b>Clarification:</b> Yes, stress relieving is required; as per Sec. 4.2.1. (vii); Sec.4.2.2.1; Sec. 4.4.3 of Chapter 4 of tender document
3.	Is painting required? If so, what is the temperature it should withstand? (M/s. Yogashri Heavy Engg., Hosur, TN)	<b>Clarification:</b> Yes, painting is required; as per Sec. 4.2.1. (xx); 4.4.5.1.3. of Chapter 4 of tender document
4.	Fabrication of each half of the Steel tool, appears feasible using 3 segments/ pieces. Is it acceptable? (M/s. Yogashri Heavy Engg., Hosur, TN) <b>Existing Clause:</b> Chapter 4 Section 4.2.1. sub-clause iv reads as "Before machining of the tool contour, form the face sheet to the near net profile to ensure final thickness consistency in the face sheet. Only 01 No. of joint is allowed for each half of the mould."	<b>Amended Clause:</b> Chapter 4, Section 4.2.1., sub-clause iv to be read as "Before machining of the tool contour, form the face sheet to the near net profile to ensure final thickness consistency in the face sheet. It is allowed to manufacture the face sheet in multiple segments or pieces, with a maximum of 03 segments or pieces for each half of the tool."



Signature of Indentor



Signature of Project Leader

**CSIR-NATIONAL AEROSPACE LABORATORIES  
BENGALURU**

**COMMERCIAL QUERIES & CLARIFICATION**

**Tender Id** : GEM/2025/B/6084043  
**Tender No.** : NAL/PUR/ACD/253/24-S  
**Item Description** : **Fabrication and supply of Steel Tool for Manufacture of Nose Cone  
Radome of SARAS MK2 Aircraft**

There were no commercial queries by the participating vendors.



Signature of Indentor



Signature of Project Leader