

Tender ID: GEM/2025/B/6844534

**PROCEEDINGS OF THE PRE-BID CONFERENCE HELD ON 14.11.2025 THROUGH WEBEX
TOWARDS "FABRICATION OF FIBER REINFORCED PLASTIC MOULDS USING RESIN
INFUSION PROCESS FOR BLISTER FAIRINGS"**

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

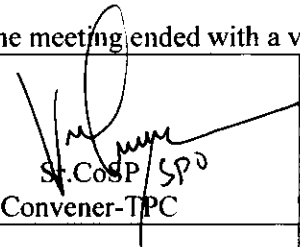
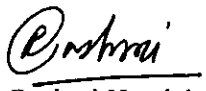
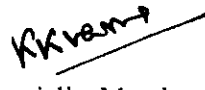
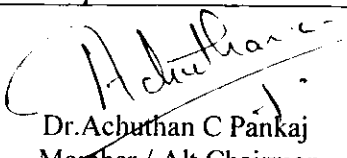
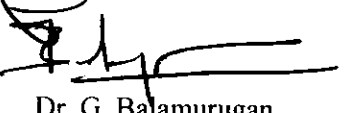
Sl. No.	Name & Designation		Role
1	Dr. G. Balamurugan	Chief Scientist	Chairman
2	Dr. Achuthan C Pankaj	Chief Scientist	Member / Alt. Chairman
3	Mr. J. Dhayanidhi	Chief Scientist	Member
4	Mr. Dilip Kumar Sahu	Sr. Technical Officer	Member
5	Ms. Rashmi Hundekari	Chief Scientist	PD-SARAS Member
6	Dr. Kundan Kumar Verma	Sr. Principal Scientist	Specialist Member
7	Mr. D. Karuppannan	Principal Scientist	Specialist Member
8	Mr. P. Murali	Sr. Technical Officer	Member - Convener (TSC)
9	Mr. Gaddikeri Kotresh	Chief Scientist	Project Leader
10	Sr. COA or his/her representative		Member
11	COFA or his/her representative		Member
12	Sr. 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 to read out the clarification sought by the bidders and the replied there to 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.

 Sr. CoSP Convener-T&PC	— CoFA Member-Finance & Accounts	— Sr. COA Member- Admin
— Mr. J. Dhayanidhi Member	— Dilip Kumar Sahu Member	 Ms. Rashmi Hundekari Chief Scientist
 Specialist Member	 Specialist Member	 IO/Convener (TSC)
 Project Leader	 Dr. Achuthan C Pankaj Member / Alt Chairman	 Dr. G. Balamurugan Chairman-T&PC (S)

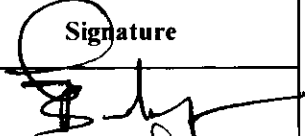
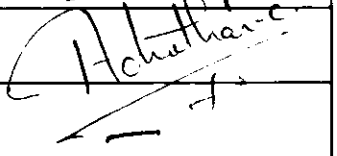
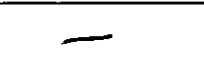
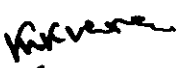
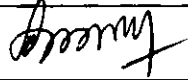
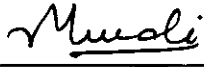
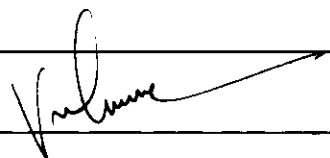
**CSIR-NATIONAL AEROSPACE LABORATORIES
BENGALURU - 560 017**

TENDER ID: GEM/2025/B/6844534
TENDER NO.: NAL/PUR/ACD/130/25 (S)
DATE & TIME : 14-Nov-25
VENUE: THROUGH WEBEX(ONLINE) & ACD TOOL DESIGN CENTER (OFFLINE)

ANNEXURE - I

Pre-Bid Conference for Fabrication of Fiber Reinforced Plastic Moulds using resin infusion process for Blister Fairings

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	Dr Kundan Kumar Verma	Specialist Member	
7	Mr. D. Karuppannan	Specialist Member	
8	Mr. P Murali	Member- Convenor -TSC	
9	Mr. Gaddikeri Kotresh	Project Leader	
10	COFA or his/her representative	Member	
11	Sr. COA or his/her representative	Member	
12	Sr. CoSP or his representative	Convenor (T&PC)	

NATIONAL AEROSPACE LABORATORIES
BENGALURU - 560 017

TENDER ID:

GEM/2025/B/6844534

ANNEXURE - I

TENDER NO.:

NAL/PUR/ACD/130/25 (S)

DATE & TIME :

14-Nov-25

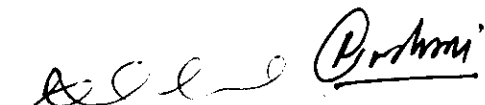
VENUE:

THROUGH WEBEX

Pre-Bid Conference for Fabrication of Fiber Reinforced Plastic Moulds using resin infusion process for Blister Fairings

Sl. No.	Name of the Firm	Name & Designation of Representative	E-tender Registration (Yes/No)	Email ID
1	M/s. Composites Tomorrow, Vadodara	Nayan Prajapati, Business Development Executive		Nayan.prajapati@compositestomorrow.com connect@compositestomorrow.com
		Hetal Prajapati, Business Development Executive		Archal.shah@compositestomorrow.com
2	M/s. Kineco Limited, Goa	A. Rajamohan, Head R & D		rajamohan@kinecogroup.com
		Radhakrishna Kamat, Manager, Design & Engineering		radhakrishna@kinecogroup.com
3	M/s. Valdel Advanced Technologies Pvt Ltd, Bangalore	Venkata Ranga		venkata.ranga@valdelat.com
4	M/s. ST Advanced Composites Pvt Ltd, Chennai	Devendran Thirunavukarasu, Technical Director		devendran.thiru@stadvancedcomposites.in tarinims@stadvancedcomposites.com
5	M/s. Indutch Composites Technology Pvt Ltd, Vadodara	Suraj Behera, Business Development		suraj.behera@indutch.in
6	M/s. Sthenos Composites Pvt Ltd, Pune	Sujay Pattebahadur Sr. Sales Executive		sujay.p@sthenoscomposites.com
7	M/s. Azista Composites Pvt Ltd, Hyderabad	Rajesh Rajaram, AGM		rajesh.rajaram@azistacomposites.com
		Keerti Kishore Nandella, DGM		kishore.nandella@azistacomposites.com
		Chetan Kumar Gurram, Engineer		chetan.gurram@azistacomposites.com
8	M/s. Vipus Advanced Materials Pvt Ltd, Coimbatore	Dr. Ajeesh G, CEO		ajeesh@vipusmaterials.com
9	M/s. RR Industry, Hyderabad	V.Sreenivasrao, Chief Executive		vsrao_rr@yahoo.com


Signature of
Indentor


Signature of
Project Leader

ANNEXURE-II (PART A)

**CSIR-NATIONAL AEROSPACE LABORATORIES
BENGALURU**

TECHNICAL QUERIES & CLARIFICATION

Tender Id : GEM/2025/B/6844534

Tender No. : NAL/PUR/ACD/130/25(S)

Item Description : **Fabrication of Fiber Reinforced Plastic Moulds using resin infusion process for Blister Fairings**

Sl. No.	Query / Clarification Sought	Clarification/Amendment
1	Clause No.: 4.2.4. Material specification for CFRP Mould Bidder enquired about which resin and fibre to be used for mould manufacturing.	It was clarified that material with mechanical and thermal properties as mentioned in clause 4.2.4 (a)& (c) has to be used for mould manufacturing. Selected material will be accepted by CSIR – NAL after receiving report as per clause 4.2.9.1.
2	Clause No.: 4.2.11.4 Documents and Inspection Reports Bidder wants to know which Inspection Method is required for contour acceptance.	It was clarified that CMM/ Laser Tracker measurement method as mentioned in clause 4.2.11.4 is acceptable for contour inspection.
3	Clause No.: 4.2.3 Material Specification for Master Model Bidder enquired about which material to be used for master model manufacturing.	It was clarified that suitable master model materials should be selected by the vendor to meet the final contour tolerance
4	Clause No.: 4.2.2 Input data and Requirements for Mould Manufacturing and Mould Specifications Bidders requested for 3D CAD models for each mould and/or detailed surface area for each mould with respect to following clause no 4.2.2 (a) a) 3D CAD model of the mould will be supplied by CSIR-NAL in CATIA V5/any other neutral format and 2D drawings in PDF	It was informed that surface area and weight details will be included in corrigendum Amendment a) 3D CAD model of the mould will be supplied by CSIR-NAL in CATIA V5/any other neutral format and 2D drawings in PDF format to the successful bidder for manufacturing of the following. Approximate weight and surface area of deliverable items are summarized in table 1- 2 for reference.

format to the successful bidder for manufacturing of the following.

Table 1 List of CFRP Mould Items (Deliverable-1)

Sr. No.	It.No.	Item Description	Unit	Quantity	Mould face sheet and Flanges weight (kg)	Mould backup structure weight (kg)	Developed surface area of Mould face sheet and Flanges (m ²)
1	1	Mould for Blister Fairing BAY- 01	No	01	52	101.5	3.05
2	2	Mould for Blister Fairing BAY- 02 & 03 (LH)	No	01	112	114.2	5.71
3		Mould for Blister Fairing BAY- 02 & 03 (RH)	No	01	112	114.2	5.71
4	3	Mould for Blister Fairing BAY- 04 (LH & RH)	No	01	117	114.9	5.56
5	4	Mould for Blister Fairing BAY- 05 & 06 (LH)	No	01	86	82.4	4.73
6		Mould for Blister Fairing BAY- 05 & 06 (RH)	No	01	86	82.4	4.73
7	5	Mould for Blister Fairing BAY- 07	No	01	46	81.7	2.66

Table 2 List of Splash Tool Items (Deliverable - 2)

Sr. No.	It.No.	Item Description	Unit	Quantity	Mould face sheet and Flanges weight (kg)	Developed surface area of Mould face sheet and Flanges (m ²)
1	1	Splash Tool for Blister Fairing BAY- 01	No	01	42.6	2.4
2	2	Splash Tool for Blister Fairing BAY- 02 & 03 (LH)	No	01	90.8	4.8
3		Splash Tool for Blister Fairing BAY- 02 & 03 (RH)	No	01	90.8	4.8
4	3	Splash Tool for Blister Fairing BAY- 04 (LH & RH)	No	01	94.8	4.7
5	4	Splash Tool for Blister Fairing BAY- 05 & 06 (LH)	No	01	80.2	3.6
6		Splash Tool for Blister Fairing BAY- 05 & 06 (RH)	No	01	80.2	3.7
7	5	Splash Tool for Blister Fairing BAY- 07	No	01	40.7	2.4


Signature of Indentor


Signature of Project Leader

**CSIR-NATIONAL AEROSPACE LABORATORIES
BENGALURU**

COMMERCIAL QUERIES & CLARIFICATION

Tender Id : GEM/2025/B/6844534

Tender No. : NAL/PUR/ACD/130/25(S)

Item Description : Fabrication of Fiber Reinforced Plastic Moulds using resin infusion process for Blister fairings

Sl. No.	Query / Clarification Sought	Clarification/Amendment
1	Clause No.: 2.21 Terms of Payment Vendor requested for details pertains to Bank Guarantee with respect to advance payment	It was clarified to refer Clause No.: 2.21.6 for advance payment
2	Clause No.: 6.2 Technical Qualification Criteria Bidder enquired about The Qualifying Quantity & The relevant Date criteria	It was clarified that The Qualifying Quantity as per 6.2.b & The relevant Date criteria as per 6.2.a has to be submitted.

SO(S&P) / SPO/ST.COSP

Tender No.: NAL/PUR/

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.: NAL/PUR/

SELF DECLARATION CERTIFICATE FOR LOCAL CONTENT

In Respect of NIT/RFQ No.
issued by CSIR-National Aerospace Laboratories, Bengaluru

I, the undersigned, (full names),
do hereby declare, in my capacity asof
..... (name of bidder / OEM), the
following:

- a) The facts contained herein are within my own personal knowledge.
- b) I have read and understood the requirement of Local Content and same is specified as percentage calculated in accordance with the definition provided at clause 2 of revised **Public Procurement (Preference to Make in India) Order 2017**.
“Local content” as per above order means the amount of value added in India which shall be the total value of items procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value in percent.”
- c) I have satisfied myself that the goods/services/works to be delivered in terms of the above-specified NIT comply with the local content requirements and I hereby confirm in respect of quoted item(s) that:
- (i) Local Content is equal to ----- (in percentage) and come under ‘Class-I Local Supplier Category’ (The local content requirement to categorize a supplier as Class I Local Supplier is minimum 50%)
- Or
- (i) Local Content is equal to ----- (in percentage) and come under ‘Class-II Local Supplier Category’ (The local content requirement to categorize a supplier as Class II Local Supplier is minimum 20%)
(Tick appropriate Category of Local Supplier).
- (d) The local content calculated using the definition given above are as under:

Sl. No	Name of Item / Equipment	Local content calculated as above (%)	Location of local value addition (Location shall be the specified as name of city or district, etc.)	Imported content including all Customs duties (%)

Note: Attach separate sheet duly signed if space is not sufficient.

- (e) I understand that if we are offering products with local content less than the minimum requirement prescribed under Clause 5 of the above order, we will fall under the category of Non-Local Suppliers. We can't claim ourselves as Class-I local suppliers/ Class-II local suppliers by claiming the services such as transportation, insurance, installation, commissioning, training and after sales service support like AMC/CMC etc. as local value addition.
- (f) I also understand; false declarations will be in breach of the code of integrity under rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151(iii) of the General Financial Rules along with such other actions as may be permissible under law.

SIGNATURE:

DATE:

Seal / Stamp

NB:

- (i) Before completing this declaration, bidders must study the General Conditions, Definitions, Government Directives applicable in respect of Local Content & prescribed tender conditions.
- (ii) In case the bidder is supplier and not OEM, then the above mentioned MII certificate should be given by the OEM in their letter head.
- (iii) Local content percentage shall be declared item wise or tender wise strictly as per the terms of the tender.
- (iv) Local Content Declaration to be signed by Chief Financial Officer or other Legally Responsible Person Nominated in Writing by The Chief Executive or Senior Member/Person with Management Responsibility (Corporation, Partnership or Individual).
- (v) The obligation to complete, duly sign and submit this declaration cannot be transferred to an external authorized representative, auditor or any other third party acting on behalf of the bidder.

Tender No.: NAL/PUR/

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.: NAL/PUR/

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 8th 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

TERMS & CONDITIONS

Tender No.		
Sl. No.	Approximate weight of the Consignment	Approximate dimensions of the consignment
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	Port of Destination	Final Destination
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 [Mention the appropriate term]	
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 [to be specified] 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	
Note:	Unit Price indicating currency FOB (named port of shipment or FCA (named place of delivery)	