



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

Invitation for e-Bids / Notice Inviting e-Tender

Tender No. NAL/PUR/ACD/045/25

Date: 11/07/2025

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 Organization. It is internationally known for its excellence in Scientific Research in Aerospace Engineering.

The Director, CSIR-NAL invites e-bids from the Manufacturers, their distributors and Indian Agent of Foreign Principals, if any, for the procurement of the following Goods/Services for its day-to-day research

Sr. No.	Brief Description of material (s)	Unit	Quantity
1	Supply, Pressure testing, Installation and Commissioning of Air Receivers.	Nos	3

**Note : Please refer Annexure for detailed specifications and drawings.**

Type of Bid	Two Bid
Performance Security	3% of the Order value
Bid Security (EMD) (in INR)	Bid Security Declaration should be enclosed with the quotation

1. The Schedule for Submission of e-Bids and Opening of e-Bids is as follows:

Date & Time of Submission of e-Bid	01/08/2025 - 11.00 Hrs
Date and Time of Opening of e-Bid	01/08/2025 - 11.30 Hrs

2. E-Bids are invited through the electronic tendering process and the Tender Document can be downloaded from the Government e-Marketplace Portal i.e., <https://gem.gov.in>. **The submission of e-Bids will be only through the GeM portal <https://gem.gov.in>. Bids will not be accepted in any other form.**

3. Interested bidders may obtain further information from the office of the:  
Stores & Purchase Officer  
Purchase Section  
CSIR- National Aerospace Laboratories  
PB No.1779, HAL Airport Road, Kodihalli, Bengaluru – 560017  
Karnataka-India  
Tel #: 080 25086040/6041, Fax #: 080 25269611  
Email : [purchasek@nal.res.in](mailto:purchasek@nal.res.in)

*[Signature]*

पी वी संख्या : 1779, एचएएल एयरपोर्ट रोड, बेंगलूरु-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



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

4. The prospective bidders' should adhere to deadlines specified in Tender details corresponding to this Tender on GeM portal <https://gem.gov.in>.

5. **Bid Security (BS) / Earnest Money Deposit (EMD):**

The bidders has to furnish/submit BID SECURING DECLARATION as per the FORMAT, in the name of "The Director, National Aerospace Laboratories, Bengaluru", without which the bid is liable to be rejected.

6. **Open Tender enquiry:**

Only Local suppliers with prescribed local content as detailed in DPIIT Order No. P-45021/2/2017-PP (BE-II) dated 16<sup>th</sup> Sep, 2020 and subsequent orders issued by Ministry of Finance, Government of India from time to time, are eligible for bidding. bidders' must enclose the certificate declaring the local content of supplies as per the format.

7. **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.

- (a) In case of agents quoting in offshore procurements, on behalf of their principal manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry.

One manufacturer can also authorize only one agent/ dealer. There can be only one bid from the following:

i)	The Principal manufacturer directly or through one Indian agent on his behalf; and
ii)	Indian/foreign agent on behalf of only one principal.

- (b) Foreign bidders' must disclose the name and address of agent and representative in India and Indian bidders' must disclose their foreign principal or associates.

- (c) If bidders' is Indian Agent of Foreign Principal, the following instruction shall be complied and as amended from time to time as on the date of issue of Tender.

i)	Bidders' must necessarily comply with conditions of "Make in India" Order No.F-45021/2/2017-PP (BE-II) dated 16-Sep-2020 of Ministry of Commerce and Industry, Government of India, as amended from time to time on the date of issue of Tender.
ii)	The bidders' shall comply with restrictions under Rule 144(xi) of the GFR 2017 related to restrictions on participation of Foreign bidders' and their Authorised Indian Agent/Dealer in terms of Order No.P-45021/112/2020-PP(BE-II) (E-43780) dated 24-Aug-2020 of the Ministry of Commerce and Industry, Department for Promotion of Industry and Internal Trade, as amended from time to time as on the date of issue of Order.

**Note:** Kindly refer to the first page of Notice Inviting Tender for tender type/mode of procurement and submit the bid accordingly

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9. The bids of those bidders' failing to comply the following clauses will be summarily rejected.
- (a) The bidders' proposing to supply finished products directly/indirectly from bidders' 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 bidders' of Countries sharing Land border with India, the bidders' should enclose a declaration
  - (c) The debarment of a bidders' in this tender, if any, is reciprocal of that Principal's Country, if it is Import.

**Note:** Kindly refer to the first page (NIT) for tender type (i.e. Open Tender Enquiry / Global Tender Enquiry) and submit your bid accordingly.

10. As per Govt. of India procurement policies,
- a) The purchaser intends to give purchase/service preference to local supplies (Preference to Make in India) in case the cost of procurement is up to Rs.50.00 (fifty) lakhs.
  - b) The procuring entity intends to give purchase/service preference to products/goods manufactured by micro, small and medium enterprises.
11. 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.
12. Printed conditions, if any, submitted along with the quotation shall not be binding on us.
13. Bidders' to certify the quoted price is not higher than the price quoted with other Government Institution for similar specifications and quantity during the current financial year.
14. Payments shall be made promptly by the Purchaser but in no case later than thirty (30) days after submission of the invoice or claim by the Supplier. While claiming the payment, the supplier should certify in the bill/invoice that the payment being claimed strictly in terms of the contract and all obligations on the part of the supplier for claiming the payment have been fulfilled as required under the contract.

Mandatory fields in Tax Invoice and Receipt Vouchers	
Invoice Number and Date	Name, address and GSTIN of the supplier
Shipping and billing Address	Customer Name & GSTIN [CSIR-NAL] Bank Details
HSN Code/SAC Code	Place of Supply
Taxable value and discounts	Item details i.e. description, quantity (number), unit, the total value
Signature of the Supplier	Rate and amount of taxes i.e. CGST/SGST/IGST

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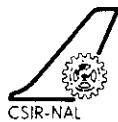
## **CSIR-National Aerospace Laboratories, Bengaluru - 560 017, India**

15. Kindly, note CSIR-NAL GST No.29AAATC2716R1ZB. The bidders are requested to furnish their GST no. in their invoice, failing which NAL will not be able to make the timely payment.
16. Unsolicited / conditional / unsigned Quotations/Quotations received after the due date and time shall be summarily rejected. The bidders' shall comply the terms and conditions of the tender, failing which, the offer shall be liable for rejection.
17. 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'.
18. The Director, CSIR-National Aerospace Laboratories (NAL), Bengaluru, India reserves the right to accept or reject any bids or accept all tenders either in part or in full or to split the order, or to annul the bidding process without assigning any reasons there for.

Thanking you,

Yours faithfully,

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



**Annexure**

**File No: NAL/PUR/ACD/045/24**

**SUPPLY, PRESSURE TESTING, INSTALLATION AND COMMISSIONING OF  
AIR RECEIVERS AS PER FOLLOWING SPECIFICATIONS**

**SCHEDULE 1  
TECHNICAL SPECIFICATIONS**

**1. SCOPE OF WORK.**

This work involves replacing three air receivers in the existing Nitrogen Plant facility at ACD Division, NAL. The current air receivers are eroded, with their shell thickness reduced beyond the design specifications, necessitating their replacement. The entire project must be executed on a turnkey basis. The firm is responsible for supplying, fabricating, and installing three air receivers and integrating them into the existing facility by replacing the old vessels, following the in-situ guidelines provided by NAL personnel.

The scope of supply includes air receivers, pipes, valves, and pipe fittings such as flanges, fasteners, gaskets, elbows, installation as per the drawing, pressure testing, painting, and commissioning of the system.

Please refer to the Bill of Materials for specifications of individual items.

**Major tasks involved are as follows:**

- a. Fabrication, Supply and installation of air receiver as per NAL drawing.
- b. Painting of air receivers and supports.

**2. DETAILED SCOPE OF WORK.**

**a. Fabrication Supply and installation of air receivers as per NAL drawing.**

Scope of work involves:

- i. Fabrication of air Receivers as per technical specification and QAP.
- ii. Anchoring of air receivers to the floor / existing base frame.
- iii. Hydrostatic testing of air receivers to the pressure of 13 bar(g).
- iv. Painting of external surface as per specifications given at Table 1.1.
- v. Integrating the air receivers with existing pressure line.
- vi. All test certificates and stage inspection reports as per QAP are to be provided to NAL

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### 3. DRAWINGS.

NAL will provide the air receivers drawings. Based on these drawings, the supplier has to supply, fabricate and install the air receivers at CSIR - NAL. Some minor changes may happen during the execution of the work, for which the vendor should accept. Bill of materials are given in the drawings which are attached here with.

#### LIST OF DRAWINGS ENCLOSED:

- 1) NAL-AR - 005
- 2) NAL-AR - 011
- 3) NAL-AR - 013

### 4. GENERAL SPECIFICATIONS.

**Table 1.1 Painting details**

Surface preparation: Mechanical wire brushing	PRIMER	BP ROZC IS2074	MIN. 30 MICRONS	GREY	BERGER/ Equivalent
	FINISH	BERGERTHANE FINISH/ LUXSOL HIGH GLOSS ENAMAL PAINT	Min.30 microns	1)NAL-AR - 005: Blue 2)NAL-AR - 011: Blue 3)NAL-AR - 013: Yellow	BERGER/ Equivalent

**Table 1.2 Ball Valves specifications**

Make	L&T / Equivalent
Bore	Full Bore
Construction	3-piece
Seat	PTFE
End Connections	Socket Weld

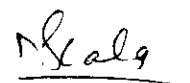
**Table 1.3 Pipe Specifications**

Make	Tata / Jindal
Type	Carbon steel pipes to IS 1239 class C
Pipe fittings	Seamless forged fittings

### 5. TERMS AND CONDITIONS

#### a) WARRANTY:

The total work must be guaranteed for raw materials and workmanship for a period of 12 months after being put in operation at NAL and accepted by NAL. During the warranty period, all the defective parts should be replaced by the contractor to NAL's satisfaction, free of cost.





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**b) QUALITY & WORKMANSHIP:**

The quality and workmanship shall comply with the QAP in all aspects and to the satisfaction of NAL. Refer Annexure – II for QAP

**c) DESIGN MODIFICATIONS, IMPROVEMENTS:**

NAL reserves the right to change the design at any stage of fabrication. Generally, changes may be of minor in nature and to meet any assembly.

**d) BILL OF QUANTITIES**

The Bill of quantities mentioned in the drawing/specifications are tentative. The firm has to complete the whole job based on the given drawings. However, quantities mentioned in the BOM has to be supplied whether used in the fabrication or not.

**e) CLARIFICATION:**

For any clarifications on the specifications and drawings, please contact Senior Stores and Purchase officer, NAL.

**f) No electrical works are in the scope of supplier.**



AIR RECEIVER - NAL/AR/005						
SL	Item	Description	QTY	SIZE	Material	Remarks
1	1	SHELL	1	1500 LG X 3200W X 8 THK	SA-516 Grade 70	
2	2	BOTTOM DISH	1	DIA 1200 BD X 10 THK (NM)	SA-516 Grade 70	
3	3	TOP DISH	1	DIA 1200 BD X 10 THK (NM)	SA-516 Grade 70	
4	4	LUG SUPPORT PAD PLATE	3	225 LG X 160 W X 8 THK	SA-516 Grade 70	
5	5	BASE PLATE	1	1400 OD X 1000 ID X 8 THK	IS-2062 Grade A / B	
6	6	ANGLE	3	762 LG X ISA 80X80X12 THK	IS-2062 Grade A / B	
7	7	LIFTING LUG PAD	2	180 LG X 42 W X 8 THK	SA-516 Grade 70	
8	8	LIFTING LUG	2	120LG X 108 W X 12 THK	IS-2062 Grade A / B	
9	9	EARTHING CLEAT	2	60 W X 40 LG	SS 304	
10	10	NAME PLATE	1	150 LG X 110 W X 2 THK	SA-240 Type 304	
11	11	NAME PLATE BRACKET	1	130 W X 270 LG X 3 THK	IS-2062 Grade A / B	
12	12	HALF COUPLING	6	1/2 INCH NPT (F) X CL 3000	SA - 105	
13	13	NOZZLE FLANGE	2	DN 50 X CL 300 X SORF	SA - 105	
14	14	NOZZLE PIPE	2	DN 50 X SCH 160 X 150 LG	SA - 106 Grade B	
15	15	NOZZLE PIPE	6	DN 15 X SCH 160 X 120 LG	SA - 106 Grade B	
16	16	ELBOW 90° LR	1	DN 15 X SCH 160 X STD	SA - 234 WPB	
17	17	PLATE	3	120 LG X 100 W X 6 THK	IS-2062 Grade A / B	
18	18	PLUG	1	1/2 INCH NPT (M) X CL 3000	SA - 105	

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19	19	STIFFENER	10	100 LG X 25 W X 6 THK	SA-516 Grade 70	
20	20	NOZZLE PIPE	1	DN 40 X Sch 160 X 85 LG	SA-106 Grade 70	
21	21	HALF COUPLING	1	1 & 1/2 INCH NPT (F) X CL 3000	SA-105	
22	22	BALL VALVE	1	25 NB X SW X 3 PIECE X PTFE	L&T	

#### AIR RECEIVER - NAL/AR/011

	Item	Description	QTY	SIZE	Material	Remarks
23	1	SHELL	1	1000 LG X 3141W X 8 THK	SA-516 Grade 70	
24	2	BOTTOM DISH	1	DIA 1000 BD X 10 THK (NM)	SA-516 Grade 70	
25	3	TOP DISH	1	DIA 1000 BD X 10 THK (NM)	SA-516 Grade 70	
26	4	LUG SUPPORT PAD PLATE	3	225 LG X 160 W X 8 THK	SA-516 Grade 70	
27	5	BASE PLATE	1	1180 OD X 780 ID X 8 THK	IS-2062 Grade A / B	
28	6	ANGLE	3	762 LG X ISA 80X80X12 THK	IS-2062 Grade A / B	
29	7	LIFTING LUG PAD	2	180 LG X 42 W X 8 THK	SA-516 Grade 70	
30	8	LIFTING LUG	2	120LG X 108 W X 12 THK	IS-2062 Grade A / B	
31	9	EARTHING CLEAT	2	60 W X 40 LG	SS 304	
32	10	NAME PLATE	1	150 LG X 110 W X 2 THK	SA-240 Type 304	
33	11	NAME PLATE BRACKET	1	130 W X 270 LG X 3 THK	IS-2062 Grade A / B	
34	12	HALF COUPLING	3	1/2 INCH NPT (F) X CL 3000	SA - 105	
35	13	HALF COUPLING	1	1 INCH NPT (F) X CL 3000	SA - 105	
36	14	HALF COUPLING	1	1&1/2 INCH NPT (F) X CL 3000	SA - 105	
37	15	NOZZLE FLANGE	1	DN 50 X CL 300 X SORF	SA - 105	
38	16	NOZZLE FLANGE	1	DN 40 X CL 300 X SORF	SA - 105	
39	17	NOZZLE PIPE	1	DN 50 X SCH 160 X 150 LG	SA - 106 Grade B	
40	18	NOZZLE PIPE	2	DN 40 X SCH 160 X 120 LG	SA - 106 Grade B	
41	19	NOZZLE PIPE	1	DN 25 X SCH 160 X 120 LG	SA - 106 Grade B	
42	20	NOZZLE PIPE	3	DN 15 X SCH 160 X 120 LG	SA - 106 Grade B	
43	21	ELBOW 90° LR	1	DN 15 X SCH 160 X STD	SA - 234 WPB	
44	22	PLATE	3	120 LG X 100 W X 6 THK	IS-2062 Grade A / B	
45	23	PLUG	3	1/2 INCH NPT (M) X CL 3000	SA - 105	
46	24	STIFFENER	10	100 LG X 25 W X 6 THK	SA-516 Grade 70	
47	25	BALL VALVE	1	25 NB X SW X 3 PIECE X PTFE	L&T	

#### AIR RECEIVER - NAL/AR/013

	Item	Description	QTY	SIZE	Material	Remarks
48	1	SHELL	1	2750 LG X 3770W X 8 THK	SA-516 Grade 70	
49	2	BOTTOM DISH	1	DIA 1200 BD X 10 THK (NM)	SA-516 Grade 70	
50	3	TOP DISH	1	DIA 1200 BD X 10 THK (NM)	SA-516 Grade 70	
51	4	LUG SUPPORT PAD PLATE	3	225 LG X 160 W X 8 THK	SA-516 Grade 70	
52	5	BASE PLATE	1	1400 OD X 1000 ID X 8 THK	IS-2062 Grade A / B	
53	6	ANGLE	3	762 LG X ISA 80X80X12 THK	IS-2062 Grade A / B	
54	7	LIFTING LUG PAD	2	180 LG X 42 W X 8 THK	SA-516 Grade 70	
55	8	LIFTING LUG	2	120LG X 108 W X 12 THK	IS-2062 Grade A / B	

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56	9	EARTHING CLEAT	2	60 W X 40 LG	SS 304	
57	10	NAME PLATE	1	150 LG X 110 W X 2 THK	SA-240 Type 304	
58	11	NAME PLATE BRACKET	1	130 W X 270 LG X 3 THK	IS-2062 Grade A / B	
59	12	HALF COUPLING	2	1/2 INCH NPT (F) X CL 3000	SA - 105	
60	13	HALF COUPLING	2	1 INCH NPT (F) X CL 3000	SA - 105	
61	14	HALF COUPLING	1	1&1/2 INCH NPT (F) X CL 3000	SA - 105	
62	15	NOZZLE FLANGE	3	DN 50 X CL 300 X SORF	SA - 105	
63	16	NOZZLE PIPE	3	DN 50 X SCH 160 X 150 LG	SA - 106 Grade B	
64	17	NOZZLE PIPE	1	DN 40 X SCH 160 X 85 LG	SA - 106 Grade B	
65	18	NOZZLE PIPE	2	DN 25 X SCH 160 X 120 LG	SA - 106 Grade B	
66	19	NOZZLE PIPE	2	DN 15 X SCH 160 X 120 LG	SA - 106 Grade B	
67	20	ELBOW 90° LR	1	DN 25 X SCH 160 X STD	SA - 234 WPB	
68	21	PLATE	3	120 LG X 100 W X 6 THK	IS-2062 Grade A / B	
69	22	PLUG	2	1/2 INCH NPT (M) X CL 3000	SA - 105	
70	23	STIFFENER	6	100 LG X 25 W X 6 THK	SA-516 Grade 70	
71	24	BALL VALVE	1	25 NB X SW X 3 PIECE X PTFE	L&T	

## 6. Vendor Qualification Criteria

- The manufacturing shop must be certified by ASME (U-Stamp)
- The shop must also possess a valid PESO (Petroleum and Explosives Safety Organisation) approval
- IBR (Indian Boiler Regulations) certification shall be considered an added advantage during technical evaluation

## QUALITY ASSURANCE PLAN

Sr. No.	Data	Description				
1	QA Plan No					
2	Name of Equipment	Air Receiver				
3	Drawing Number	NAL/AR/005, NAL/AR/011 and NAL/AR/013				
4	Client					
5	Code of construction	ASME Sec.VIII, Div. 1, 2013 Edition.				
6	Job No.					
7	Equip.No.	--				
8	Inspection Agency	VENDER,CLIENT/NAL & LRA				
9	Project	--				
10	P.O. No.					
0	21-05-2025	Draft QAP Prepared for Information				
Rev. No	Date	Revision details				
Signature	Prepared By QA Engineer	Approved By QA / QC Manager	Accepted By M/s. CLIENT	Accepted By M/s. NAL	Remark	

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SR. NO.	ACTIVITY DESCRIPTION	CHARACTERISTICS TO BE CHECKED	QUANTUM OF CHECK	REF. DOCUMENT /ACC STANDARD	RECORD FORMAT	INSPECTION AND SIGN.							
						VENDER		LRA		CLIENT / NAL	REMARKS		
1	Documentation												
1.1	Quality Assurance Plan	Documentation	100%	Approved Drawing ASME Sec. VIII,Div.1	Approved QAP	H		R		R			
1.2	Approval of GA Drawing, Design Calculations and Technical Specifications.	Design / Drawing Parameters	100%	ASME Sec. VIII, Div 1	Drawing, Technical Specification.	H		--		H			
1.3	Review of Approved WPS, Weld Map, WPQ Pneumatic testing, Hydrostatic test, Heat treatment procedure & NDE Procedures like (RT, PT)	Documentation	100%	Approved Drawing, ASME Sec. VIII Div.1/V/IX	WPS, Standard Procedure	H		R		R			
2	Raw material Receiving Inspection and Identification:												
2.1	Pressure Parts												
A	Plate	Material T.C. Review, Dimensional Check, Visual Inspection, Marking Check & Correlation with MTC, UT Report review for plates and flanges as per specs / approved drawings.	100%	PO, Approved Drawing and Technical specifications	MTC / GRIN	H		W		R		# In absence of Mill test certificate the material shall be tested from NABL approved lab and test results shall be submitted in lieu of mill test certificates	
B	Pipe					H		W		R			
C	Flanges & Forging					H		R		R			
D	Fasteners & Gaskets					H		R		R			
2.2	Non - Pressure Parts welded to Pressure parts.	Material T.C.Review, Dimensional Check,Visual Inspection, Marking Check.	100%	PO, Approved Drawing and Technical specifications	MTC / MTR / GRIN	H		R		R		Original MTC not required for non pressure parts	
2.3	Non - Pressure Parts welded to Non - Pressure Parts	Material T.C. Review, Dimensional Check, Visual Inspection, Marking Check.	100%	PO, Approved Drawing and Technical specifications	MTC / MTR / GRIN	H		R		R			

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SR. NO.	ACTIVITY DESCRIPTION	CHARACTERISTICS TO BE CHECKED	QUANTUM OF CHECK	REF. DOCUMENT /ACC STANDARD	RECORD FORMAT	INSPECTION AND SIGN.							
						VENDER		LRA		CLIENT / NAL		REMARKS	
3	Material Stamp Transfer After Identification												
3.1	Material Stamp transfer after marking before cutting	Stamp transfer.	100%	Approved Drawing	None	H		R		R			
4	Shell Fabrication												
4.1	Long Seam												
4.1.1	Weld edge preparation	Root face, Bevel angle & Cleanliness.	100%	Approved Drg.	SIR	H		R		R			
4.1.2	Set up. Of Long Seam of Shell courses	Visual, Offset, Rootgap, Profile & Dimensions	100%	ASME Sec VIII Div I Approved Drg.		H		W		R			
4.1.3	Back chip (If applicable)	Visual, LPT	100%	ASME Sec VIII Div I Approved Drg.	PT Report	H		R		R			
4.1.4	Weld visual Inspection before RT	Weld Visual, bead height	100%	ASME sec VIII Div I & Approved Drg.	SIR*	H		R		R		* During Final Visual Inspection	
4.1.5	Radiography	RT film Review	As per Appd Dwg.	ASME sec VIII Div I & Approved Drg.	RT Report	H		R		--			
4.2	Circ Seam Shell to Shell Setup							R					
4.2.1	Weld edge preparation	Root face, Bevel angle, cleanliness.	100%	Approved Drg.	Fabrication Checklist	H		R		R			
4.2.2	Set up of Circ seam of shell course	Offset, Rootgap,Included angle & Dimensions.	100%	ASME sec VIII Div I & Approved Drg.	Fabrication Checklist, SIR	H		W		R			
4.2.3	Back chip	Visual, PT	100%	ASME Sec VIII Div I Approved Drg.	PT Report	H		R		R			
4.2.4	Weld Visual Inspection Before RT	Weld Visual, bead height	100%	ASME sec VIII Div I & Approved Drg.	SIR*	H		R		--		* During Final Visual Inspection	
4.2.5	Radiography	RT film Review	As per Appd Dwg.	ASME sec VIII Div I & Approved Drg.	RT Report	H		R		--			
5	Dished Ends Forming (in Patel)												
5.1	Weld edge preparation	Root face, Bevel Angle and cleanliness	100%	Approved Drg.	SIR	H		--		R			
5.2	Petals long seam setup	Offset,rootgap,Inclined angle, Profile & Dimensions.	100%	ASME sec VIII Div I & Approved Drg.	SIR	H		R		R			

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SR. NO.	ACTIVITY DESCRIPTION	CHARACTERISTICS TO BE CHECKED	QUANTUM OF CHECK	REF. DOCUMENT /ACC STANDARD	RECORD FORMAT	INSPECTION AND SIGN.					
						VENDER		LRA		CLIENT / NAL	REMARKS
8	Cir. Seam Set up on Dished Ends to Shell										
8.1	Weld edge preparation	Root face, Bevel angle & cleanliness.	100%	Approved Drg.	SIR	H		R		R	
8.2	Set up	Offset, Root gap, Profile & Dimensions	100%	ASME Sec VIII Div 1 Approved Drg.	SIR	H		W		R	
8.3	Back chip (If applicable)	Visual, PT	100%	ASME sec VIII Div 1 & Approved Drg.	PT Report	H		R		R	
8.4	Weld Visual Inspection before RT	Weld Visual, bead height	100%	ASME sec VIII Div 1 & Approved Drg.	SIR*	H		R		--	* During Final Visual Inspection
8.5	Radiography	RT film Review	As per Appd Dwg.	ASME sec VIII Div 1 & Approved Drg.	RT Report	H		R		..	
9	Inside Visual Inspection before Closing Circ. Seam	Visual, Dimensions	100%	ASME Sec VIII Div 1 & Approved Drg.	SIR	H		R		R	
10	Closing Circ. Seam Set up of Shell to Dish ends										
10.1	Weld edge Preparation	Root face, angle & Cleaniness	100%	Approved Drg.	SIR	H		R		R	
10.2	Set up	Offset, Root gap, profile & Dimensions	100%	ASME Sec VIII Div 1 & Approved Drg.		H		W		R	
10.3	Weld visual after root run	Weld Visual, PT	100%	ASME Sec VIII Div 1 & Approved Drg.	PT Report	H		R		R	
10.4	Weld Visual Inspection before RT	Weld Visual, bead height , Dimension.	100%	ASME Sec VIII Div 1 & Approved Drg.	SIR*	H		R		R	*During Final Visual Inspection
10.5	Radiography	RT film Review.	As per Appd Dwg.	Approved Drawing, ASME Sec. V ASME Sec VIII Div. 1	RT Report	H		R		..	

**CSIR - NATIONAL AEROSPACE LABORATORIES, BENGALURU**

**QUALITY ASSURANCE PLAN**

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SR. NO.	ACTIVITY DESCRIPTION	CHARACTERISTICS TO BE CHECKED	QUANTUM OF CHECK	REF. DOCUMENT /ACC STANDARD	RECORD FORMAT	INSPECTION AND SIGN.							
						VENDER		LRA		CLIENT / NAL		REMARKS	
5.4	Final Inspection of weld before RT	Visual, bead height, Dimension	100%	ASME sec VIII Div 1 & Approved Drg.		H		R		--			
5.5	Radiography after Dishend Forming	RT Film Review	Full	ASME Sec V, ASME sec VIII Div 1 & Approved Drg.		H		R		--			
5.6	Dishend inspection after radiography (Final Inspection)	Visual, Profile, Over & undercrowning, Ovality Dimensions & PT of long seams, weld edge, Knuckle, minimum thickness.	100%	ASME Sec V, ASME sec VIII Div 1 & Approved Drg.		H		R		R			
5.7	Heat Treatment (If required)	Temp. Time, Support Arrangement, Calibration TC of Recorders, Thermocouples	100%	ASME sec VIII Div 1 & Approved Drg.	Heat treatment Requisition, Heat treatment Chart	H		W		R			
6	Nozzle Pipe to Flange												
6.1	Weld edge preparation	Root Face, Bevel angle & cleanliness.	100%	Approved Drg.	SIR	H		R		R			
6.2	Set up	Root gap, profile & Dimensions	100%	ASME sec VIII Div 1 & Approved Drg.		H		R		R			
6.3	Weld Visual Inspection	Weld Visual, Bead Height	100%	ASME sec VIII Div 1 & Approved Drg.	SIR*	H		R		--		*During Final Visual Inspection	
7	Setup and Welding of Nozzles / Coupling on Shell and Dished Ends												
7.1	Weld edge preparation	Root face, Bevel angle & cleanliness.	100%	Approved Drg.	SIR	H		R		R			
7.2	Set up	Root gap, Bevel angle, Hole Stradding, Dimensions, Orientation & Flange Inclination	100%	ASME Sec VIII Div 1 Approved Drg.	SIR	H		RW		R			
7.3	Back chip (If applicable)	Visual, PT	100%	ASME sec VIII Div 1 & Approved Drg.	PT Report	H		R		R			
7.4	Weld Visual Inspection	Weld Visual, bead height	100%	ASME sec VIII Div 1 & Approved Drg.	SIR*	H		R		R		* During Final Visual Inspection	

**CSIR - NATIONAL AEROSPACE LABORATORIES, BENGALURU**

**QUALITY ASSURANCE PLAN**

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SR. NO.	ACTIVITY DESCRIPTION	CHARACTERISTICS TO BE CHECKED	QUANTUM OF CHECK	REF. DOCUMENT /ACC STANDARD	RECORD FORMAT	INSPECTION AND SIGN.					
						VENDER	LRA	CLIENT / NAL	REMARKS		
11	Set up & welding of non pressure parts, External attachments	Visual, Dimensions	100%	Approved Drawing, ASME Sec. V ASME Sec VIII Div. 1	SIR	H		R		R	
12	Final Inspection Before Hydro-test	Visual	100%	Approved Drg.	SIR	H		W		R	
		Dimensional Inspection			Dimension	H		W		R/W	
		Verification & Examination of NDE Reports			Final Inspection Check List, PT Reports, RT Summary	H		R		R	
13	Hydro-Test	Leakages, Deformation, strain limit	100%	Approved Drawing, ASME Sec. V ASME Sec VIII Div. 1	SIR / Pressure test Reports	H		W		W	
14	Draining & Drying of Equipment after Hydrotest	Visual Inspection	100%	Approved Drg.	SIR	H		R		R	
15	Surface Preparation	Visual inspection	100%	Approved Drg.	Painting Report.	H		R		R	
16	External CS part Painting	Visual inspection, DFT Check	100%	Approved Drg.		H		R		R	
17	Attachment of Name Plate on Equipment	Visual Inspection	100%	Approved Drg.	Name Plate Photo, rub-off	H		R		R	
18	Pre-dispatch inspection	Final Documentation	100%	Final inspection check list	Final Document Packing List	H		R			
19	Issue of Release Note	Review of Documents like Material Heat Chart, Test certificates, etc...	100%	Approved Drg.	Final Inspection Check List	H		H		R	

# CSIR - NATIONAL AEROSPACE LABORATORIES

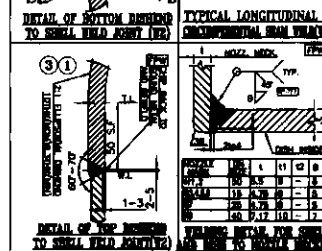
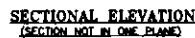
## QUALITY ASSURANCE PLAN

Page 7 Of 7

SR. NO.	ACTIVITY DESCRIPTION	CHARACTERISTICS TO BE CHECKED	QUANTUM OF CHECK	REF. DOCUMENT /ACC STANDARD	RECORD FORMAT	INSPECTION AND SIGN.			
						VENDER	LRA	CLIENT / NAL	REMARKS
Legends:-									
SIR, MIR, MTC, MTR :		Stage Inspection Report, Material Identification Report, Material Test Certificate, Material Test Report							
GRIN, QCP:		Goods Receipt Cum Inspection Note, Quality control procedures							
WPS / PQR & WPQ:		Welding Procedures Specification / Procedure Qualification Record. & Welder Performance Qualifications							
H	Under inspection column indicates HOLD POINT. This means the job cannot proceed further unless cleared by the stipulated authority.								
W	Under inspection column indicates WITNESS POINT. This means the stipulated authority shall be notified to witness and verify a specific operation. Further operation shall proceed where the stipulated authority does not validate his option. This notification shall be documented suitably								
R	Under inspection column indicates REVIEW POINT. This means document shall be submitted to stipulated authority for review.								
R/W	Under inspection column indicates RANDOM WITNESS POINT. This means the stipulated authority shall be notified to witness and verify a specific operation ( 10 % of the Activity ) . Further operation shall proceed where the stipulated authority does not								

QC QAP R0





Sr. No	DCN NO.	DATE	DESCRIPTION	REMARK	
<b>DCN TABLE</b>					

DESIGN	SATISHA	TITLE- ACD N2 PLANT-2	
DRAWN	SKC	<b>DETAIL OF AIR RECEIVER</b>	
APPD. BY	ARUN S		
QTY.	1		
SCALE	1:14	JOB NO.:-	WORK ORDER NO. ACD N2_P2
DATE		DWG. NO.:- HAI/AR/005	SHEET :- 01 REV. NO.-0



SCALE	1:14	JOB No.:-	DEC No.:-	WORK ORDER NO. ACQ M2_P2
DATE		DRN No.:-	MM / AA / 11	SHEET NO. 1

<b>BILL OF MATERIAL</b>			
<b>National Aerospace Laboratories, Bangalore</b>			
DESIGN DRAWN	SATISHA SVC	TITLE - ACD N2 PLANT-2	
APPRO. BY	ARUN S	<b><u>DETAIL OF AIR RECEIVER</u></b>	
QTY.	1		
SCALE	1:14	JOB No.:-	DES. No.:-
DATE		PRJ. No.:-	WORK ORDER NO. ACD N2_P2
			SHEET NO. 01



**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 as .....of  
..... (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 8<sup>th</sup> 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

<b>Tender No.</b>		
<b>Sl. No.</b>	<b>Approximate weight of the Consignment</b>	<b>Approximate dimensions of the consignment</b>
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	<b>Port of Destination</b>	<b>Final Destination</b>
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 <b>[Mention the appropriate term]</b>	
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	

<b>23</b>	Validity of offer	
<b>24</b>	Order to be placed [Full address, Tel #, Fax #, Email Id, Contact Person]	
<b>25</b>	Nature of the item <b>[to be specified]</b>  Hazardous/Radio Active/ Perishable/ Dangerous/ Shelf-life or any other	
<b>26</b>	Bidder to mention in the quote, any special carrier requirement is necessary for transport viz Special License, ODC etc.,	
<b>27</b>	Any other	
<b>28</b>	Total Price quoted as per BoQ/Price Schedule/List of Deliverables exclusive of tax	
<b>29</b>	Total Price quoted as per BoQ/Price Schedule/List of Deliverables inclusive of tax	
<b>Note:</b>	<b>Unit Price indicating currency FOB (named port of shipment or FCA (named place of delivery)</b>	

**बिड दस्तावेज़ / Bid Document**

बिड विवरण / Bid Details	
बिड बंद होने की तारीख/समय / Bid End Date/Time	01-08-2025 19:00:00
बिड खुलने की तारीख/समय / Bid Opening Date/Time	01-08-2025 19:30:00
बिड पेशकश वैधता (बंद होने की तारीख से) / Bid Offer Validity (From End Date)	90 (Days)
मंत्रालय/राज्य का नाम / Ministry/State Name	Ministry Of Science And Technology
विभाग का नाम / Department Name	Department Of Scientific And Industrial Research (dsir)
संगठन का नाम / Organisation Name	Council Of Scientific And Industrial Research (csir)
कार्यालय का नाम / Office Name	Csir-national Aerospace Laboratories, Bengaluru
कुल मात्रा / Total Quantity	1
वस्तु श्रेणी / Item Category	SUPPLY, PRESSURE TESTING, INSTALLATION AND COMMISSIONING OF AIR RECEIVERS
GeMARPTS में खोजी गई स्ट्रिंग्स / Searched Strings used in GeMARPTS	SUPPLY, PRESSURE TESTING, INSTALLATION AND COMMISSIONING OF AIR RECEIVERS
GeMARPTS में खोजा गया परिणाम / Searched Result generated in GeMARPTS	Category not available on GeM for the text string uploaded by the buyer
अधिसूचना के लिए चयनित प्रासंगिक श्रेणियाँ / Relevant Categories selected for notification	<ul style="list-style-type: none"> <li>Installation and Commissioning of Air Conditioners at Extra Cost (Excluding Accessories)</li> <li>synthetic web equipment improved version</li> </ul>
वर्षों के अनुभव एवं टर्नओवर से एमएसई को छूट प्राप्त है / MSE Exemption for Years Of Experience and Turnover	Yes   Complete
स्टार्टअप के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है / Startup Exemption for Years Of Experience and Turnover	Yes   Complete
विक्रेता से मांगे गए दस्तावेज़ / Document required from seller	<p>Experience Criteria, Certificate (Requested in ATC), OEM Authorization Certificate, Additional Doc 1 (Requested in ATC), Compliance of BoQ specification and supporting document</p> <p>*In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer</p>

बिड विवरण/Bid Details	
क्या आप निविदाकारों द्वारा अपलोड किए गए दस्तावेजों को निविदा में भाग लेने वाले सभी निविदाकारों को दिखाना चाहते हैं? संदर्भ मेनू है/Do you want to show documents uploaded by bidders to all bidders participated in bid?	Yes
बिड लगाने की समय-सीमा बढ़ाने के लिए आवश्यक न्यूनतम सहभागी विक्रेताओं की संख्या। / Minimum number of bids required to disable automatic bid extension	1
दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी। / Number of days for which Bid would be auto-extended	7
बिड से रिवर्स नीलामी सक्रिय किया/Bid to RA enabled	No
बिड का प्रकार/Type of Bid	Two Packet Bid
तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय /Time allowed for Technical Clarifications during technical evaluation	5 Days
निरीक्षण आवश्यक (सूचीबद्ध निरीक्षण प्राधिकरण /जेम के साथ पूर्व पंजीकृत एजेंसियों द्वारा)/Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
मूल्यांकन पद्धति/Evaluation Method	Total value wise evaluation
वित्तीय दस्तावेज की आवश्यकता है / Financial Document Required	Yes
मध्यस्थता खंड/Arbitration Clause	No
सुलह खंड/Mediation Clause	No

#### ईएमडी विवरण/EMD Detail

आवश्यकता/Required	No
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#### ईपीबीजी विवरण /ePBG Detail

एडवाइजरी बैंक/Advisory Bank	State Bank of India
ईपीबीजी प्रतिशत (%) /ePBG Percentage(%)	3.00
ईपीबीजी की आवश्यक अवधि (माह) /Duration of ePBG required (Months).	14

(a). ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए। / EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

**लाभार्थी /Beneficiary :**

THE DIRECTOR, CSIR-NAL  
CSIR-National Aerospace Laboratories, Bengaluru,  
(The Director)

**विभाजन/Splitting**

बोली विभाजन लागू नहीं किया गया/ Bid splitting not applied.

**एमआईआई खरीद वरीयता/MII Purchase Preference**

एमआईआई खरीद वरीयता/MII Purchase Preference	Yes
--	-----

**एमएसई खरीद वरीयता/MSE Purchase Preference**

एमएसई खरीद वरीयता/MSE Purchase Preference	Yes
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1. If the bidder is a Micro or Small Enterprise as per latest orders issued by Ministry of MSME, the bidder shall be exempted from the eligibility criteria of "Experience Criteria" as defined above subject to meeting of quality and technical specifications. The bidder seeking exemption from Experience Criteria, shall upload the supporting documents to prove his eligibility for exemption.
2. If the bidder is a Micro or Small Enterprise (MSE) as per latest orders issued by Ministry of MSME, the bidder shall be exempted from the eligibility criteria of "Bidder Turnover" as defined above subject to meeting of quality and technical specifications. If the bidder itself is MSE OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. The bidder seeking exemption from Turnover, shall upload the supporting documents to prove his eligibility for exemption.
3. If the bidder is a DPIIT registered Startup, the bidder shall be exempted from the the eligibility criteria of "Experience Criteria" as defined above subject to their meeting of quality and technical specifications. The bidder seeking exemption from Experience Criteria, shall upload the supporting documents to prove his eligibility for exemption.
4. If the bidder is a DPIIT registered Startup, the bidder shall be exempted from the the eligibility criteria of "Bidder Turnover" as defined above subject to their meeting of quality and technical specifications. If the bidder is DPIIT Registered OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. The bidder seeking exemption from Turnover shall upload the supporting documents to prove his eligibility for exemption.
5. Preference to Make In India products (For bids < 200 Crore):Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023.  
[OM\\_No.1\\_4\\_2021\\_PPD\\_dated\\_18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.
6. Purchase preference will be given to MSEs having valid Udyam Registration and whose credentials are validated online through Udyam Registration portal as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and

its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail themselves of the Purchase preference, the bidder must be the manufacturer / OEM of the offered product on GeM. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible for any purchase preference. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service and Buyer will decide eligibility for purchase preference based on documentary evidence submitted, while evaluating the bid. If L-1 is not an MSE and MSE Seller (s) has / have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such MSE Seller shall be given opportunity to match L-1 price and contract will be awarded for 25% (selected by Buyer) percentage of total quantity. The buyers are advised to refer the OM No. F.1/4/2021-PPD dated 18.05.2023 [OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017. Benefits of MSE will be allowed only if seller is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

## **SUPPLY, PRESSURE TESTING, INSTALLATION AND COMMISSIONING OF AIR RECEIVERS ( 1 set )**

(क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक/Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

### **तकनीकी विशिष्टियाँ /Technical Specifications**

क्रेता विशिष्टि दस्तावेज़ /Buyer Specification Document	<a href="#">Download</a>
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### **परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

क्र.सं./S.N o.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	E Damodara	560017,Old Airport Road, Kodihalli, Bangalore - 560 017,	1	90

### **क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें/Buyer Added Bid Specific Terms and Conditions**

#### **1. Service & Support**

Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.

#### **2. Certificates**

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

#### **3. Buyer Added Bid Specific ATC**

Buyer uploaded ATC document [Click here to view the file.](#)

4. **Warranty**

Warranty period of the supplied products shall be 1 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.

5. **Service & Support**

Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.

6. **Generic**

Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.

7. **Service & Support**

Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

8. **Generic**

**End User Certificate:** Wherever Bidders are insisting for End User Certificate from the Buyer, same shall be provided in Buyer's standard format only.

9. **Generic**

**Manufacturer Authorization:**Wherever Authorised Distributors/service providers are submitting the bid, Authorisation Form /Certificate with OEM/Original Service Provider details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid

10. **Generic**

**Non return of Hard Disk:** As per Buyer organization's Security Policy,Faulty Hard Disk of Servers/Desktop Computers/ Laptops etc. will not be returned back to the OEM/supplier against warranty replacement.

11. **Scope of Supply**

Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods

12. **Warranty**

Successful bidder will have to ensure that adequate number of dedicated technical service personals / engineers are designated / deployed for attending to the Service Request in a time bound manner and for ensuring Timely Servicing / rectification of defects during warranty period, as per Service level agreement indicated in the relevant clause of the bid.

13. **Generic**

Supplier shall ensure that the Invoice is raised in the name of Consignee with GSTIN of Consignee only.

14. **Warranty**



Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 3 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG). Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.

#### 15. **Generic**

1. The Seller shall not assign the Contract in whole or part without obtaining the prior written consent of buyer.
2. The Seller shall not sub-contract the Contract in whole or part to any entity without obtaining the prior written consent of buyer.
3. The Seller shall, notwithstanding the consent and assignment/sub-contract, remain jointly and severally liable and responsible to buyer together with the assignee/ sub-contractor, for and in respect of the due performance of the Contract and the Sellers obligations there under.

#### 16. **Certificates**

To be eligible for award of contract, Bidder / OEM must possess following Certificates / Test Reports on the date of bid opening (to be uploaded with bid):

AS PER TENDER

#### 17. **Generic**

Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:

- i) The Seller fails to comply with any material term of the Contract.
- ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
- iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
- iv) The Seller becomes bankrupt or goes into liquidation.
- v) The Seller makes a general assignment for the benefit of creditors.
- vi) A receiver is appointed for any substantial property owned by the Seller.
- vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.

#### 18. **Generic**

While generating invoice in GeM portal, the seller must upload scanned copy of GST invoice and the screenshot of GST portal confirming payment of GST.

#### 19. **Generic**

Malicious Code Certificate:

The seller should upload following certificate in the bid:-

(a) This is to certify that the Hardware and the Software being offered, as part of the contract, does not contain Embedded Malicious code that would activate procedures to :-

- (i) Inhibit the desires and designed function of the equipment.
- (ii) Cause physical damage to the user or equipment during the exploitation.
- (iii) Tap information resident or transient in the equipment/network.

(b) The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Right (IPRs) are caused due to activation of any such malicious code in embedded software.

## अस्वीकरण/Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. If any clause(s) is / are incorporated by the Buyer regarding following, the bid and resultant contracts shall be treated as null and void and such bids may be cancelled by GeM at any stage of bidding process without any notice:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process. (However, in bids for [attached categories](#), trials are allowed as per approved procurement policy of the buyer nodal Ministries)
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.
15. Buyer added ATC Clauses which are in contravention of clauses defined by buyer in system generated bid template as indicated above in the Bid Details section, EMD Detail, ePBG Detail and MII and MSE Purchase Preference sections of the bid, unless otherwise allowed by GeM GTC.
16. In a category based bid, adding additional items, through buyer added additional scope of work/ additional terms and conditions/or any other document. If buyer needs more items along with the main item, the same must be added through bunching category based items or by bunching custom catalogs or bunching a BoQ with the main category based item, the same must not be done through ATC or Scope of Work.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

**All GeM Sellers / Service Providers are mandated to ensure compliance with all the applicable laws / acts / rules including but not limited to all Labour Laws such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972 etc. Any non-compliance will be treated as breach of contract and Buyer may take suitable actions as per GeM Contract.**

[यह बिड सामान्य शर्तों के अंतर्गत भी शासित है /This Bid is also governed by the General Terms and Conditions](#)

जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में

भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।/In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

**---धन्यवाद/Thank You---**