

DEMAND NOTIFICATION
INVITATION FOR EXPRESSION OF INTEREST FOR
COMPOSITE AIRFRAME ASSEMBLY

BrahMos Aerospace, a joint venture between India's Defence Research and Development Organization (DRDO) and Russia's NPO Mashinostroyeniya, is a leading aerospace and defense corporation specializing in the design, development, and production of supersonic cruise missile systems.

BAPL invites Expressions of Interest (EOI) from prospective manufacturing industries for the procurement of Composite Airframes.

Name of Device: Composite Airframe Assemblies F1 section & F2 section

Scope of work:

To manufacture Composite Airframe Assemblies F1 section & F2 section and qualify the same as per technical requirement which will be shared to shortlisted manufacturers.

Description: Composite Air frames assemblies F1 section & F2 section together forms the air intake of Article. Composite airframes should withstand high pressure and High Temperature loads and meet stringent leak check requirements. It is a composite structure with metallic end fittings.

Major manufacturing processes involved:

- Prepregs, Composite layup, filament winding.
- Vacuum Assisted Resin Transfer Moulding (VARTM)
- Two stage resin impregnation and High Temperature curing.
- Perforation drilling of multiple number of holes with Etalons/SPM
- Aluminium coating of hardware/composite section with SPM.
- Metal Component Machining and Surface treatment.
- Composite and metallic parts bonding.

Testing Requirement:

- Functional testing encompasses Pressure tests, Leak checks with Helium leak detector determination of joint leaks, evacuation and accumulation methods for total leak rate.
- Armored chambers for carrying out high pressure pneumatic test (Strength tests)
- Radio transparency checks at approved test facilities.
- Critical Linear, Angular position and alignment check with CMM.
- Qualification tests encompassing higher pressures burst tests, mechanical structural and Thermo Structural Testing.

The eligibility criteria and instruction for submission of EOI are available at our website www.brahmos.com. Only eligible vendors meeting the requirements specified in EOI document “**BAPL/EOI/Airframes/TS/01 Rev 00 dated 18.03.2026**” shall only be applied.

Eligible manufacturing industries may furnish their Expression of Interest in the prescribed format (**Annexure A of EOI document BAPL/EOI/Airframes/TS/01**) in Sealed Envelope quoting our Reference **No. BAPL/EOI/Airframes/001 dtd. 18.03.26** with all essential information and supporting documents shall reach **on or before 08/05/2026 [16:00 Hrs]** to the following address:

**“Project Director
KAO: Sr. AGM (Composites)
BrahMos Aerospace Private Limited”
BrahMos Complex, Adj. DRDL Rear Gate
Kanchanbagh, Hyderabad – 500 058
Tel: 91-40-24087162/7208”**

Note: BAPL reserves the right to accept or reject any or all responses. Mere compliance to the EOI terms does not guarantee further consideration for qualification in the procurement process.