

DEMAND NOTIFICATION

INVITATION FOR EXPRESSION OF INTEREST FOR MANUFACTURING AND INTEGRATION FOR AIR BORNE LAUCHER

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 manufacturing, fabrication, assembly, testing, integration of Airborne Launcher CK340A.

Name of Assembly: Integrated Airborne Launcher.

Description and Scope of work:

- Airborne Launcher is a critical system used for release of weapon system from aircraft on command.
- To manufacture, integrate and qualify the Airborne Launcher as per technical requirement which will be shared to shortlisted manufacturers.
- Manufacturing of components as per the drawings and SOP provided by BAPL.
- Assembly machining, drilling of Launcher.
- Welding of 15-5PH components.
- Surface treatment of components.
- Forming of aluminium sheets.
- Integration of sub-systems (mechanical & electrical) and cables in to Launcher.
- Conduct of acceptance tests, qualification tests of components and system.
- Airborne Launcher consists of components manufactured using raw materials like aluminium AA2219 extrusions, maraging steel MDN250A, steel 15-5PH, aluminium AA6061 sheets, aluminium AA2219 sheets.
- All the raw materials, standard parts, fasteners, sub-systems, cables will be provided as Free Issue Material (FIM) from BAPL.
- Consumables (grease, paint, locate) are in the scope of vendor.
- Design, development and realization of fixtures/tools required for manufacturing of components, assembly machining, integration of Launcher, acceptance tests, qualifications tests.
- Vendor to design and develop facility for conducting release test of Launcher during acceptance test and qualifications tests.
- Vendor to design and develop dummy article required for release test of Launcher during acceptance test and qualifications tests.
- Vendor to develop pneumatic panel for nitrogen charging of Launcher.
- Vendor should establish heat treatment procedures, surface treatment procedures, painting procedures.
- RCMA (CEMILAC) & MSQAA will be involved during development stage to ensure airworthiness of item.
- Vendor to obtain provisional clearance/type approval from CEMILAC for production.



Component level tests

- Displacement checks
- Stiffness checks
- Functional checks
- Vibration tests
- Load test

System level tests

- Weight measurement
- C G measurement
- Alignment inspection
- Fitment checks with aircraft template
- Blue dye check
- Manual operation test
- Release test
- Modal test
- Random vibration test
- Release testing (nitrogen to be used for charging)
- Launcher limit & proof load test
- Ultimate load test

Mechanical processes involved

- Machining
- Welding
- Heat Treatment
- Surface Treatment

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/AV-M/EOI/01” shall only apply.

Eligible manufacturing industries may furnish their Expression of Interest in the prescribed format (Annexure A of EOI document BAPL/AV-M/EOI/01) in sealed envelope quoting our Reference No. BAPL/AV-M/EOI/01 with all essential information and supporting documents shall reach on or before 3 weeks from the date of notification to the following address:

BrahMos Aerospace Private Limited

BrahMos Complex, Adj. DRDL Rear Gate
Kanchanbagh, Hyderabad – 500 058
Tel: 91-40-24087046/7064

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.

