

NOTICE

EXTENSION OF DATE FOR SUBMISSION OF EXPRESSION OF INTEREST (EOI)

In continuation to our earlier notification regarding the invitation of Expression of Interest (EOI), the EOI for following subsystems is re-published in BrahMos website as many industries requested for extension of last date of submission of EOI to facilitate for participation.

1. BAPL/SCM-L/DN/001 Dt. 16.05.2025
2. BAPL/SCM-L/DN/002 Dt. 16.05.2025 - (Only for Relay Box, On-board battery is removed from the scope by competent authority)
3. BAPL/SCM-L/DN/003 Dt. 16.05.2025
4. BAPL/SCM-L/DN/004 Dt. 16.05.2025
5. BAPL/SCM-L/DN/005 Dt. 03.06.2025
6. BAPL/SCM-L/DN/006 Dt. 03.06.2025
7. BAPL/SCM-L/DN/007 Dt. 03.06.2025
8. BAPL/SCM-L/DN/008 Dt. 03.06.2025
9. BAPL/SCM-L/DN/009 Dt. 09.06.2025

In view of the requests received from industries, the Competent Authority has approved re-publication of above listed EOI and the last date for submission of EOIs now stands at **8th September 2025**.

Important Note:

Industries/organizations who have already submitted their applications are not required to apply again.

All other terms and conditions mentioned in the original EOI document remain unchanged. A copy of the original EOI is enclosed as an annexure for your reference.

The new deadline for submitting your Expression of Interest is now September 8, 2025 and the EOI application shall reach BrahMos office on or before September 8, 2025.

This notice is issued with the approval of the Competent Authority.

BrahMos Aerospace Private Limited

BrahMos Complex, Adj. DRDL Rear Gate
Kanchanbagh, Hyderabad – 500 058
Tel: 91-40-24087214/7144

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.

DEMAND NOTIFICATION**INVITATION FOR EXPRESSION OF INTEREST FOR
ON-BOARD POWER DISTRIBUTION DEVICE**

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 On-Board power switching device.

Name of Device: On-Board power Distribution Device

Scope of work:

To manufacture On-Board power Distribution device and qualify the same as per technical requirement which will be shared to shortlisted manufacturers.

Description: Device receives DC power supply and ensures the power distribution to all the other subsystems as desired. The device issues commands for controlling the sub-assemblies. Device comprises of electronic components, Relays, Contactors, PCBs, Input/Output connectors and interconnects.

Mechanical processes involved:

- Aluminum Casting & Machining
- Composites for Cover/lid

Electrical/Electronic Process Involved:

- Soldering – J STD 001 Class 3, MIL STD 2000 Class 3
- Wire harness for internal wiring - IPC 620 Class 3
- PCB Assembly - IPC 610 Class 3

Testing Requirement:

- Functional testing encompasses resistance, capacitance and discrete outputs in an automated environment.
- Comprehensive testing to validate the functionality and Reliability.

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/SCM-L/EOI/EEE/01" shall only be applied.

Eligible manufacturing industries may furnish their Expression of Interest in the prescribed format (Annexure A of EOI document BAPL/SCM-L/EOI/EEE/01) in Sealed Envelope quoting our Reference No. BAPL/SCM-L/DN/001 with all essential information and supporting documents shall reach on or before 31/05/2025 [16:00 Hrs] to the following address:

BrahMos Aerospace Private Limited

BrahMos Complex, Adj. DRDL Rear Gate
Kanchanbagh, Hyderabad – 500 058
Tel: 91-40-24087214/7144

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.

DEMAND NOTIFICATION-2**INVITATION FOR EXPRESSION OF INTEREST FOR
ON-BOARD BATTERY**

BrahMos Aerospace, a joint venture between India's Defense 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 On-Board In-Line relay box.

Name of Device: On Board Battery

Scope of work:

To manufacture On Board Battery and qualify the same as per technical requirement which will be shared only with shortlisted manufacturers.

Description: Device is the source of DC power supply and ensures the power requirement of the entire subsystems onboard for a predefined timing. Device comprises of Cell mono-block, Pyro cartridges for activation and cancellation in case of any abnormal commands received from the ground stations. Heater arrangement for heating during low ambient temperature.

Mechanical processes involved:

- Electrode manufacturing, welding, leak check, brazing.

Electrical/Electronic Process Involved:

- Soldering – J STD 001 Class 3, MIL STD 2000 Class 3
- Wire harness for internal wiring - IPC 620 Class 3

Testing Requirement:

- Functional testing, Thermal Cycling, environmental tests
- Comprehensive testing to validate the functionality and Reliability as per the Technical Specifications.

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/SCM-L/EOI/EEE/01" shall only be applied.

Eligible manufacturing industries may furnish their Expression of Interest in the prescribed format (Annexure A of EOI document BAPL/SCM-L/EOI/EEE/01) in Sealed Envelope quoting our Reference No. BAPL/SCM-L/DN/002 with all essential information and supporting documents shall reach on or before 31/05/2025 [16:00 Hrs] to the following address:

BrahMos Aerospace Private Limited

BrahMos Complex, Adj. DRDL Rear Gate
Kanchanbagh, Hyderabad – 500 058
Tel: 91-40-24087214/7144

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.

DEMAND NOTIFICATION
INVITATION FOR EXPRESSION OF INTEREST FOR
ON-BOARD SENSORS

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 Supply of On-Board sensors.

NAME OF DEVICE: On-Board Sensors

SCOPE OF WORK:

To manufacture On-Board Sensors and qualify the same as per technical requirements which will be shared only to shortlisted manufacturers.

DESCRIPTION:

- Electro mechanical On-Board Sensors with built in Micro Switches are designed to operate with applied Physical force (Mechanical Movement/Position change).
- These sensors issue signal based on the movement of microswitches.
- Sensors major Components include Microswitches, Connectors, Springs which are housed in a confined space.

PROCESS REQUIREMENTS:

Mechanical : Steel, Titanium, Aluminum machining

Electrical/Electronic:

- Soldering – J STD 001 Class 3, MIL STD 2000 Class 3
- Wire harness for internal wiring and cable harness- IPC 620 Class 3

TEST REQUIREMENTS: Comprehensive testing to validate Functionality and Reliability of the device as per the test specifications.

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/SCM-L/EOI/EEE/01" shall only be applied.

Eligible manufacturing industries may furnish their Expression of Interest in the prescribed format (Annexure A of EOI document BAPL/SCM-L/EOI/EEE/01) in Sealed Envelope quoting our Reference No. BAPL/SCM-L/DN/001 with all essential information and supporting documents shall reach on or before 31/05/2025 [16:00 Hrs] to the following address:

BrahMos Aerospace Private Limited

BrahMos Complex, Adj. DRDL Rear Gate

Kanchanbagh, Hyderabad – 500 058

Tel: 91-40-24087214/7144

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.

DEMAND NOTIFICATION-4**INVITATION FOR EXPRESSION OF INTEREST FOR
ON-BOARD MOUNTING FRAME AND POWER & SIGNAL SWITCHING DEVICE**

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 On-Board Mounting frame and Power & signal switching device.

NAME OF DEVICE: On-Board Mounting Frame, Power & Signal Switching Device

SCOPE OF WORK:

To manufacture the device and qualify the same as per technical requirements which will be shared only to shortlisted manufacturers.

DESCRIPTION:

- The frame facilitates mounting of various sub systems.
- Device switches the DC power supply to other electronic devices and 1553B bus channel on board and provides path for maintaining temperature to the subsystems mounted on the frame.
- Major Components of this device comprises of electronic components, Contactors & Relays, Busbars, Input/Output connectors and Interconnects.

PROCESS REQUIREMENTS:

Mechanical: Aluminium Machining & Welding

Electrical/Electronic:

- Soldering – J STD 001 Class 3, MIL STD 2000 Class 3
- Wire harness for internal wiring - IPC 620 Class 3

TEST REQUIREMENTS:

- Functional testing encompasses Resistance, Isolation and Insulation Checks in an Automated environment.
- Comprehensive testing to validate the functionality and Reliability of the device as per the test specifications.

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/SCM-L/EOI/EEE/01" shall only be applied.

Eligible manufacturing industries may furnish their Expression of Interest in the prescribed format (Annexure A of EOI document BAPL/SCM-L/EOI/EEE/01) in Sealed Envelope quoting our Reference No. BAPL/SCM-L/DN/001 with all essential information and supporting documents shall reach on or before 31/05/2025 [16:00 Hrs] to the following address:

BrahMos Aerospace Private Limited

BrahMos Complex, Adj. DRDL Rear Gate
Kanchanbagh, Hyderabad – 500 058
Tel: 91-40-24087214/7144

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.

DEMAND NOTIFICATION -5**INVITATION FOR EXPRESSION OF INTEREST FOR
FLUID DETECTION SENSOR**

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 Fluid Detection Sensor.

Name of Device: Fluid Detection Sensor

Scope of work:

To manufacture Fluid Detection Sensors and qualify the same as per technical requirement which will be shared only to shortlisted manufacturers.

Description:

Fluid Detection Sensor operates based on the incidence and refraction of optical rays from the designated region which is a milled glass pocket with IR Receiver & IR Emitter. The main purpose is to find out if there are any fluid leakages in the designated region. Sensor comprises of electronic components, Relays, PCBs, Output connectors and interconnects.

Mechanical processes involved:

- Brass, Aluminum machining and milling of Glass Texolite

Electrical/Electronic Process Involved:

- Soldering – J STD 001 Class 3, MIL STD 2000 Class 3
- Wire harness for internal wiring - IPC 620 Class 3
- PCB Assembly - IPC 610 Class 3

Testing Requirement:

- Functional testing encompasses resistance, capacitance and discrete outputs in an automated environment.
- Comprehensive testing to validate the functionality and Reliability.

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/SCM-L/EOI/EEE/01 dt. 16.04.2025 Rev. 01 dt 30.05.2025" shall only be applied.

Eligible manufacturing industries may furnish their Expression of Interest in the prescribed format (Annexure A of above EOI document) in Sealed Envelope quoting our Reference No. BAPL/SCM-L/DN/005 with all essential information and supporting documents shall reach on or before 25/06/2025 [16:00 Hrs] to the following address:

BrahMos Aerospace Private Limited

BrahMos Complex, Adj. DRDL Rear Gate
Kanchanbagh, Hyderabad – 500 058
Tel: 91-40-24087214/7144

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.



DEMAND NOTIFICATION
INVITATION FOR EXPRESSION OF INTEREST FOR
TRANSMITTER UNIT

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 Transmitter Unit.

Name of Device: Transmitter Unit

Scope of work:

To manufacture Transmitter Unit and qualify the same as per technical requirements which will be shared only to shortlisted manufacturers.

Description:

The Transmitter unit transmits the modulated data from Encoder Unit to Transmitting and Receiving Stations, which has both IF & RF outputs. Device comprises of electronic components, PCBs, Input/Output connectors and interconnects.

Mechanical processes involved:

- Aluminum Machining

Electrical/Electronic Process Involved:

- Soldering – J STD 001 Class 3, MIL STD 2000 Class 3
- Wire harness for internal wiring - IPC 620 Class 3
- PCB Assembly - IPC 610 Class 3

Testing Requirement:

- Functional testing encompasses resistance, capacitance and discrete outputs in an automated environment.
- Comprehensive testing to validate the functionality and Reliability.

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/SCM-L/EOI/EEE/01 dt. 16.04.2025 Rev. 01 dt 30.05.2025" shall only be applied.

Eligible manufacturing industries may furnish their Expression of Interest in the prescribed format (Annexure A of above EOI document) in Sealed Envelope quoting our Reference No. BAPL/SCM-L/DN/006 with all essential information and supporting documents shall reach on or before 25/06/2025 [16:00 Hrs] to the following address:

BrahMos Aerospace Private Limited

BrahMos Complex, Adj. DRDL Rear Gate
Kanchanbagh, Hyderabad – 500 058
Tel: 91-40-24087214/7144

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.



DEMAND NOTIFICATION
INVITATION FOR EXPRESSION OF INTEREST FOR
ENCODER UNIT

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 Encoder Unit.

Name of Device: Encoder Unit.

Scope of work:

To manufacture Encoder Unit and qualify the same as per technical requirements which will be shared only to shortlisted manufacturers.

Description:

Encoder Unit collects wide range of signals and encrypts the same. Unit software should be compatible and programmable as per the encrypted data structures w.r.t to different signal types, communication rates. The unit shall be provided with an Interface to acquire real time data. Device comprises of electronic components, PCBs, 1553 bus, Input/Output connectors and interconnects.

Mechanical processes involved:

- Aluminum machining

Electrical/Electronic Process Involved:

- Soldering – J STD 001 Class 3, MIL STD 2000 Class 3
- Wire harness for internal wiring - IPC 620 Class 3
- PCB Assembly - IPC 610 Class 3

Testing Requirement:

- Functional testing encompasses resistance, capacitance and discrete outputs in an automated environment.
- Comprehensive testing to validate the functionality and Reliability.

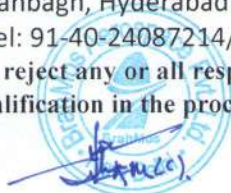
The eligibility criteria and instruction for submission of EOI are available at our website www.brahmos.com. Only eligible vendors meeting the requirements specified in EOI document “BAPL/SCM-L/EOI/EEE/01 dt. 16.04.2025 Rev. 01 dt 30.05.2025” shall only be applied.

Eligible manufacturing industries may furnish their Expression of Interest in the prescribed format (Annexure A of above EOI document) in Sealed Envelope quoting our Reference No. BAPL/SCM-L/DN/007 with all essential information and supporting documents shall reach on or before 25/06/2025 [16:00 Hrs] to the following address:

BrahMos Aerospace Private Limited

BrahMos Complex, Adj. DRDL Rear Gate
Kanchanbagh, Hyderabad – 500 058
Tel: 91-40-24087214/7144

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.



DEMAND NOTIFICATION
INVITATION FOR EXPRESSION OF INTEREST FOR
ANTENNA SET

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 Antenna Set.

Name of Device: Antenna Set

Scope of work:

To manufacture Antenna Set and qualify the same as per technical requirements which will be shared only to shortlisted manufacturers.

Description:

Antenna Set has to convert the amplified signal into EM waves. The Antenna Set comprises of 2 Conformal Microstrip Antenna, Radome, and Power divider, PCB, RF Connectors and RF Cables.

Mechanical processes involved:

- Steel machining

Electrical/Electronic Process Involved:

- Soldering – J STD 001 Class 3, MIL STD 2000 Class 3
- Wire harness for internal wiring - IPC 620 Class 3
- PCB Assembly - IPC 610 Class 3

Testing Requirement:

- Functional testing encompasses resistance, capacitance and discrete outputs in an automated environment.
- Comprehensive testing to validate the functionality and Reliability.

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/SCM-L/EOI/EEE/01 dt. 16.04.2025 Rev. 01 dt 30.05.2025" shall only be applied.

Eligible manufacturing industries may furnish their Expression of Interest in the prescribed format (Annexure A of above EOI document) in Sealed Envelope quoting our Reference No. BAPL/SCM-L/DN/008 with all essential information and supporting documents shall reach on or before 25/06/2025 [16:00 Hrs] to the following address:

BrahMos Aerospace Private Limited

BrahMos Complex, Adj. DRDL Rear Gate
Kanchanbagh, Hyderabad – 500 058
Tel: 91-40-24087214/7144

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.



DEMAND NOTIFICATION**INVITATION FOR EXPRESSION OF INTEREST FOR****Cable Harnesses**

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 On-Board Cable Harnesses.

Name of Device: Cable Harnesses

Scope of work:

To manufacture Cable Harnesses (70 Types) and qualify the same as per technical requirement (Operating temperature: minus 50 to plus 250°C) which will be shared to shortlisted manufacturers.

Description: Cable harnesses which facilitates power and signal connections between subsystems are critical components in the system. Their design, manufacturing, and testing require careful consideration to ensure optimal performance and reliability. The manufacturer shall possess access/manufacture of special connector of Russian Origin. The cables shall undergo Acceptance Tests (AT), followed by extensive Qualification Testing (QT) or Periodic Testing (PT).

Mechanical processes involved:

- Machining – Aluminum, copper, brass, steel and titanium.
- Casting/Welding.
- Surface treatment.
- Moulding – Insulators & Rubber gaskets.
- Chemical Potting to secure soldering joints.

Electrical/Electronic Process Involved:

- Soldering & Crimping – J STD 001 Class 3, MIL STD 2000 Class 3
- Wire harness - IPC 620 Class 3

Testing Requirement:

- Functional testing encompasses resistance, Isolation and insulation in an automated test set-up.
- Comprehensive environmental and mechanical testing facility to validate the functionality and Reliability.
- Cable unwinding test for testing coiled cable harness (1 type)

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/SCM-L/EOI/EEE/01 dt. 16.04.2025 Rev. 01 dt 30.05.2025"" shall only be applied.

Eligible manufacturing industries may furnish their Expression of Interest in the prescribed format (Annexure A of above EOI document) in Sealed Envelope quoting our Reference No. BAPL/SCM-L/DN/009 with all essential information and supporting documents shall reach on or before 30/06/2025 [16:00 Hrs] to the following address:

BrahMos Aerospace Private Limited

BrahMos Complex, Adj. DRDL Rear Gate
Kanchanbagh, Hyderabad – 500 058
Tel: 91-40-24087214/7144

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.



BAPL/SCM-L/EOI/EEE/01 dated 16.04.2025

Rev. 01

Date of Revision: 30.05.2025

Expression of Interest (EOI)

ELECTRICAL, ELECTRONIC AND ELECTROMECHANICAL

Supply Chain Management

Hyderabad

April 16, 2025



1	Introduction	2
2	Objective	2
3	Eligibility Criteria	2
4	EOI Submission	4
5	Evaluation Criteria	4
6	Confidentiality	4
7	Disclaimer	4
8	Contact Information	4



1 Introduction

BrahMos Aerospace Private Limited, a joint venture between India's Defence Research and Development Organization (DRDO) and Russia's NPO Mashinostroyeniya, is a leading aerospace and defense corporation specialized in Design, Development and Production of supersonic cruise missile systems. BrahMos missile, a versatile weapon deployable from multiple platforms, the company plays a critical role in enhancing India's defense capabilities and is actively pursuing advancements in missile technologies, solidifying its position as a key player in the global defense sector.

BAPL invites Expressions of Interest (EOI) from qualified manufacturers for supply of Electrical, Electronic and Electromechanical (EEE) devices for integration into BAPL's critical defense systems. Responses should demonstrate adherence to relevant military standards (MIL-STD), robust quality control procedures, and a proven track record in delivering reliable solutions for demanding defense applications.

Intending Manufacturing Industries[s] are advised to read the EOI document, Terms and Conditions and other details carefully relating to the work contemplated in the procurement of EEE parts.

2 Objective

The EOI aims to develop new vendors qualifying to the technical requirements of device under consideration. The information collected will be used to identify suitable partners for subsequent phases of vendor development activity.

3 Eligibility Criteria

Interested Manufacturing Industries must meet the following minimum criterion in order to apply for EOI:

- a) The Manufacturing Industries must be an Indian Registered Partnership / LLP / Company with a majority stake of the company held by a Resident and Citizen of India.
- b) The average annual turnover of the interested partner during the last three years shall be at least **INR 50 Cr.** Audited Annual Financial Statements in support of the same shall be furnished. The long-term credit rating by ICRA/CRISIL or equivalent as on date of submission of EOI shall be "A" or above.
- c) QMS Certifications AS9100D is mandatory, and the valid Certification shall be submitted along with EOI.
- d) SAMAR Level 3 Certification / CIS/equivalent Certification is mandatory, and the valid Certification shall be submitted along with EOI.
- e) Experience in design, development and manufacturing of IPC/MIL – Class 3 certified product is mandatory.



- f) Experienced technical manpower availability – skilled manpower in precision soldering (certified to J-STD-001 or equivalent), electromechanical assembly (certified to IPC-610 & IPC 620 – Class 3 or equivalent) is Mandatory.
- g) Experience on working with inspection agencies viz., MSQAA, R&QA, RCMA etc. is mandatory.
- h) Data and Cyber Security Certification is mandatory.
- i) Experience of product design, prototyping, circuit design & PCB layout, embedded systems development and testing capabilities to latest technology and as per standards in vogue.
- j) Minimum experience of 10 years in manufacturing and Supply of EEE systems for Defense/Aerospace industry. Shall be supported with contract references.
- k) Shall have access to well established facilities such as machine shop with CNC machines including VMCs, heat treatment, welding shop (TIG) and surface treatment. In case if any of the process is sub-contracted, requirements of this EOI shall apply and responsibility to ensure them lies with Tier-1 Manufacturing Industries. Subcontracted process shall be accessible to BAPL for audit/assessment.
- l) Cleanroom environments of class 100000 shall be maintained for storage of sensitive components/Soldering/potting & conformal coating.
- m) Obsolescence Management: Shall have a documented procedure to monitor and manage obsolescence of components/sub-systems.
- n) Component procurement & Inventory management shall comply to J-STD-033, IPC 1601, MIL STD 2073 or as per standard in vogue.
- o) Counterfeit Detection: Shall procure components only from OEM or OEM Authorised Dealers with Authorization Letter. For purchase of obsolete component from non-authorized dealer Manufacturing Industries shall conduct rigorous testing to detect counterfeit components. Utilize advanced testing equipment, such as X-ray inspection, scanning electron microscopy (SEM), and electrical testing to detect counterfeit component.
- p) Technical capability to design PCB as per IPC-2221 or equivalent and PCB fabrication and assembly (SMT, THT, mixed technology) as per IPC 600, J-STD-001, IPC 610 – Class 3, MIL-STD-2000 or equivalent.
- q) Capability to carry out comprehensive testing (Inhouse/ NABL labs) to validate the functionality and reliability of the EEE devices under specified operating conditions as per Technical specification.
- r) The manufacturer shall ensure minimum service life of 30 years for device manufactured for BAPL.
- s) Rework, Modification and Repair of Electronic Assemblies shall comply to IPC-7711/7721 or equivalent
- t) Failure rate of last three financial year shall be declared; zero rejection is preferred.
- u) Availability of In-house research & development facility and reverse engineering capability is preferred.
- v) Higher indigenous content is preferable.



4 EOI Submission

Interested Manufacturing Industries are requested to submit their response as per Format enclosed in **Annexure-A as per Demand Notification.**

5 Evaluation Criteria

The evaluation of responses will be based on the Evaluation of BAPL w.r.t the following criteria:

- Technical capabilities and experience in defence applications.
- Production capacity and lead time for high-reliability products.
- Quality management system and compliance with defence/military standards.
- Financial stability and references in the defense sector.
- Infrastructure/Facility evaluation.
- Security Certifications and its compliance.

The shortlisted Industries will be called up for further processing of the subsystems mentioned in Demand Notification.

6 Confidentiality

All information provided in response to this EOI will be treated as confidential and may be subject to non-disclosure agreements.

7 Disclaimer

This EOI does not constitute a commitment for placement of contract/P.O and BAPL reserves the right to accept or reject any or all the responses.

8 Contact Information

For any inquiries, please contact: Refer demand notification



Expression of Interest

Demand Notification Ref.: _____

Demand Notification Date: _____

S.No.	Particulars	Details to be filled up by FIRM	Supporting Document
a.	Name Of the Firm & Address		Company Registration Document with State/Central Government
b.	Firm's Contact Person & Details		
c.	Category of Industry (Raw Material /Conversion/Standard Items/Ready to use Components/Other) *		
d.	Nature of the Company (Pvt. Ltd. / Ltd./PSU/DPSU etc.)		
e.	Organizational structure		Self-attested document
f.	The average annual turnover of previous three (3) financial year.		Annual Financial Statements
g.	What is the core competence of the company?		-
h.	What are principal products(s)?		-
i.	How long has company been in business as presently organized?		-
j.	List of principal Subcontractors, along with processes subcontracted		-
k.	List of principal customers to whom the vendor supplied stores in the past two (2) years.		-
l.	List of principal companies and /or Government agencies which have surveyed and approved the firm with scope of approval.		Copy of attestation document
m.	Contract /S.O. No. from Defence/Missile complex Labs along with status of order. (Completed/Ongoing/Short closed)		-
n.	Certification - Quality (ISO/AS/SAMAR)		Copy of latest certificate
o.	Employee Strength (Design, Quality, Production, (Skilled / Semi- Skilled/Casual) Other)		-
p.	Certification of skilled manpower (IPC 610/620 Class-3)		Copy of latest certificate
q.	Attrition rate of employee		-



S.No.	Particulars	Details to be filled up by FIRM	Supporting Document
r.	Failure incidence reported by customer in last three years in PPM and percentage		-
s.	Average import percentage in products manufactured and delivered in last financial year		-
t.	Security compliance certification (If any). Shall specify the road map and certification plan if not existing.		Copy of latest certificate/ Road Map
u.	List of available equipment and machinery (e.g., SMT placement machines, CNC (Computer Numerical Control) machines, environmental test chambers and other test facilities.		
v.	Maximum PCB size and complexity handled		
w.	Production capacity - Lead time for prototype and production runs		
x.	Inventory Management System		
y.	Controlled Storage Facility		
z.	Cybersecurity and data security practices		Compliance Certificate/Self certification

*Category of firm	Definition
Connector and Cable Manufacturer	Firms having facilities for manufacturing of MIL grade connectors and manufacturing of cable harness.
Only Cable Harness Manufacturer	Firms having facilities for manufacturing of cable harness but no in-house facility to manufacture MIL grade connector
Electronic Package Manufacturer	Firms having manufacturing facilities for making electronic and electro-mechanical systems.
Other	Firms not falling in any of the previous types, shall specify in the form.

Note : The firm shall enclose supporting documents as applicable

Declaration: The details provided above are true and it is understood that BAPL reserves the right to accept or reject the EOI filed herein.

Authorized Signature with Name & Company Stamp.

