

Expression of Interest (EOI)

INTEGRATED TARGET & JAMMER ENVIRONMENT SIMULATOR
(ITJES)

Hyderabad
January 21, 2026

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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 design, development, testing and installation of **Multi-Channel Integrated Target & Jammer Environment Simulator (ITJES)** at BrahMos Aerospace. Responses should demonstrate adherence to relevant standards, 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 ITJES.

2 Objective

The EOI aims to understand the available capabilities and technical solutions offered by eligible vendors and select vendors qualified to comply to the technical requirements of device under consideration.

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 Indian Citizen.
- b) The average annual turnover of the interested industry during the last three years shall be at least INR 5 Cr. Audited Annual Financial Statements in support of the same shall be submitted as documentary evidence.
- c) The industry shall possess a long-term credit rating of "A" or above from ICRA/CRISIL or equivalent agency, valid as on date of submission of EOI.
- d) The industry must hold ISO 9001:2015 certification or equivalent quality management system certification.
- e) The industry shall possess fully established and functional in-house capabilities for end-to-end design, development, integration, testing, and manufacturing of RADAR Target Simulators and RADAR Jammer Simulators for RADAR testing applications. Core activities including system architecture design, RF/analog and digital hardware design, embedded software/firmware development, system integration, and functional/performance testing shall be carried out in-house and shall not be outsourced. The industry shall submit documentary evidence of in-house infrastructure, qualified technical manpower, and past project execution in support of this requirement.
- f) The industry must have prior experience of working with defence inspection agencies viz., MSQAA / R&QA / RCMA, etc., and shall have successfully supplied RADAR Target

Simulator or similar systems to at least one DRDO laboratory or DPSU, with inspection and acceptance cleared by MSQAA / R&QA / RCMA.

- g) The industry shall have demonstrable and proven experience in complete product realization, including product concept definition, detailed design and prototyping, RF/analog and digital circuit design, multilayer PCB layout, embedded systems hardware and software/firmware development, and comprehensive testing and validation in accordance with latest technologies, relevant MIL/IEC/IEEE standards, and customer technical specifications. The industry shall furnish documentary evidence such as product photographs, test reports, and past clearance certificates etc. in support of this requirement.
- h) The industry shall have a minimum of five (5) years of experience in the design, development, manufacturing, and supply of RADAR Target Simulators to the Defence sector (DRDO labs, DPSU etc). This experience shall be substantiated by submission of at least three (3) executed contract references, along with copies of corresponding supply orders and documentary evidence of successful delivery and acceptance certificate by the user agency. Contracts without proof of delivery and acceptance shall not be considered for meeting this criterion. BAPL reserves the right to request the industry to provide additional documentary evidences for verification of claimed capabilities.
- i) The industry shall undertake complete indigenous design, development, and manufacturing of the system and shall not use any proprietary, black-box, or restricted hardware or software components that limits design disclosure, modification, or long-term support. All critical subsystems, firmware, and application software shall be owned and controlled by the industry with no dependency on foreign OEMs for core functionality.
- j) Components shall be procured only from OEMs or OEM-authorized dealers, supported by COCs.
- k) The industry shall have the capability to carry out comprehensive functional and environmental testing, either In-house, and/or Through NABL-accredited laboratories. Testing shall validate compliance with the Technical Specifications.
- l) The industry shall ensure minimum 30 years of product support for systems manufactured for BAPL. A declaration for the same to be provided with the EOI.
- m) The failure/rejection rate for the last three financial years shall be declared, Zero rejection rate is preferred.
- n) Availability of in-house Research & Development facilities for RADAR Target Simulators is mandatory.
- o) The system shall have a minimum indigenous content of greater than 70%, in line with the 'Indigenously Designed, Developed and Manufactured (IDDM)' category. The industry shall submit a declaration, duly signed by a Statutory Auditor, certifying the indigenous content, including the breakup of components, subsystems, and software. Non-compliance with the minimum indigenous content requirement shall render the bid ineligible under the IDDM category.
- p) BAPL reserves the right to request the industry to demonstrate a similar system during the EOI evaluation process. The industry shall be fully capable of demonstrating a similar fully functional working system to BAPL, and shall provide all necessary technical personnel, documentation, and test setup required for the demonstration. Failure to demonstrate a similar system, as per BAPL's satisfaction, may lead to disqualification from the evaluation.

q) Data and Cyber Security Certification (ISO 27001 or equivalent) is mandatory. Supporting document to be submitted.

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 following criteria:

- Technical capabilities and experience in radar target and jammer simulators.
- 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 device mentioned in Demand Notification.

6 Confidentiality

All information provided by BAPL 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 of 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		
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 three (3) years.		-
m.	Contract /S.O. No. from DRDO and DPSU's along with status of order. (Completed/Ongoing/Short closed)		-
o.	Employee Strength (Design, Quality, Production, (Skilled / Semi- Skilled/Casual) Other)		-
q.	Attrition rate of employee		-
s.	Average import percentage in products manufactured and delivered in last financial year		-
u.	List of available calibrated equipment and machinery (e.g., RF measurement equipment's etc.)		

S.No.	Particulars	Details to be filled up by FIRM	Supporting Document
x.	Inventory Management System		
y.	Controlled Storage Facility		
z.	Cybersecurity and data security practices		ISO 27001 or equivalent

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.