



**Bharat Heavy Electricals Limited**  
**(A Government of India Undertaking)**  
**New Delhi - 110049**

**Notice for Inviting**

Expression of Interest for  
Selection of Technology Partner for  
Air Defence Gun Missile System - Self Propelled  
System program of the Indian Army

**EoI No:** BHEL/AA/TL/0207

**Date of Issue:** July 18, 2025

**Last date for submission of EoI response:** Aug 8, 2025



---

**Subject:** Selection of Technology Partner for Air Defence Gun Missile - Self Propelled System program of the Indian Army

### 1) Introduction

Bharat Heavy Electricals Limited (BHEL) invites Expressions of Interest (Eoi) from reputed Companies and Original Equipment Manufacturers (OEMs) for a long-term strategic partnership to address the requirements of the Indian Army / Ministry of Defence (MoD) for **the Air Defence Gun Missile - Self Propelled (ADGM-SP) System**.

The ADGM-SP system is envisaged as a sub-35-ton tracked armoured vehicle equipped with a combination of gun and missile systems. It is expected to feature an Active Electronically Scanned Array (AESA) radar, Electro-Optical Director (EOD), and an advanced Fire Control Computer (FCC) to provide high mobility alongside mechanized formations.

The system should be capable of effectively engaging Unmanned Aerial Vehicles (UAVs), fighter aircraft, cruise missiles and hovering targets, under both day and night conditions. Additional system requirements, performance parameters, and engagement capabilities will be shared with shortlisted partners during subsequent stages of the selection process.

### 2) About BHEL

BHEL is a leading state-owned engineering and manufacturing enterprise, with the Government of India holding a 63.17% equity stake. Recognized as a **“Maharatna” company** since 2013, BHEL plays a pivotal role in nation-building by catering to the core infrastructure sectors of the Indian economy, including power, transportation, defense, renewable energy, and heavy industry.

As an integrated power plant equipment manufacturer, BHEL has over five decades of expertise in supplying equipment across the entire energy spectrum - thermal, gas, hydro, nuclear, and renewables - spanning generation, transmission, and distribution. BHEL's supplied equipment accounts for approximately 200 GW of India's installed thermal generation capacity, underlining its dominance in the power sector.

BHEL is listed on India's major stock exchanges (i.e. NSE and BSE) with market capitalisation of approx. **\$ 10.35 Bn** and operates with a vast nationwide presence. It has 16 manufacturing units, 4 power sector regions, 8 service centers, 15 regional offices and numerous project sites across India and abroad. Internationally, BHEL has a presence in approx. 90 countries with a cumulative overseas installed capacity of nearly 10,000 MW. Notable countries include Malaysia, Oman, Iraq, Syria, Sudan, Libya, Cyprus, Malta, Afghanistan, Bangladesh, Bhutan, and New Zealand.

For FY 2024–25, BHEL reported an **annual turnover of approx. \$ 3.3 Bn** Its operations are driven by a highly skilled workforce of around 28,000 employees, advanced R&D capabilities, and state-of-the-art manufacturing infrastructure. The hallmark of BHEL's reliability and product quality lies



in its strict adherence to global standards—achieved through a combination of **indigenous innovation** and **technology collaborations** with leading global firms.

Key ongoing technology partnerships include:

- **Siemens Energy Global GmbH & Co. KG, Germany** – Steam turbines, generators, condensers
- **GE Vernova Inc. (formerly GE Technology GmbH), Switzerland** – Gas turbines
- **Leonardo S.p.A, Italy** – Upgraded Super Rapid Gun Mount (SRGM) systems
- **Arabelle Solutions, France**- 700MWe Nuclear Steam Turbine
- **Valmet Automation Oy, Finland** – Distributed control systems
- **HIMA Middle East FZE, Dubai** – KAVACH (Train Collision Avoidance System)
- **Mitsubishi Heavy Industries Ltd., Japan** – Flue Gas Desulphurization systems
- **Babcock Power Environmental Inc., USA** – Selective catalytic reduction systems
- **Nano Co. Ltd. & HLB Power Co. Ltd., Korea** – SCR catalysts, gates & dampers
- **Sumitomo SHI FW Energia Oy, Finland** – Circulating fluidized bed combustion boilers
- **Vogt Power International Inc., USA** – Heat recovery steam generators
- **Kawasaki Heavy Industries Ltd., Japan** – Stainless steel metro coaches
- **Indian Space Research Organization (ISRO)** – Space-grade lithium-ion cells
- **Bhabha Atomic Research Centre (BARC)** – 50 kW alkaline water electrolyser for hydrogen production, and Mixed Matrix Membrane
- **CSIR-IIP** – PVSA-based medical oxygen plants

With its legacy of engineering excellence, innovation-driven growth, and strategic collaborations, BHEL continues to be a cornerstone of India's industrial and technological advancement. For more details about the entire range of BHEL's products and operations please visit our website <http://www.bhel.com>.

### 3) BHEL presence in Defence Sector:

Since 1994, BHEL has been manufacturing and supplying the 76/62 Super Rapid Gun Mount in collaboration with M/s Leonardo, Italy—demonstrating its long-standing commitment to India's naval defense capabilities. The company has also indigenously developed the Integrated Platform Management System (IPMS) for warships and supplied Armoured Recovery Vehicles to the Indian Army.

BHEL plays a critical role in India's space program through its strong association with ISRO. It is a key manufacturer and supplier of high-reliability, space-grade Li-ion cells and batteries, satellite solar panels, hot-formed titanium shells and domes, as well as cryogenic tanks essential for launch vehicles. With deep expertise in advanced castings and forgings for defense and strategic applications, BHEL has engineered and delivered vital components for warships and submarines. These include permanent magnet-based propulsion motors, frequency and bidirectional converters, alternators, mechanical auxiliaries, turbines, turbo-generators, and condensers—underscoring its role as a trusted partner in India's defense and space ecosystem.



**4) Pre-Qualification Requirement (PQR) for the prospective partner:** (to be substantiated with relevant End User Certificate/Documentary Evidence)

*The Prospective technology partner either on its own or along with its consortium partner(s) should have designed, manufactured and supplied Self Propelled Air Defence System (Tracked)*

**5) EoI process:**

Interested Companies and OEMs possessing proven technology and meeting the Pre-Qualification Requirements (PQR) specified in **Clause 4** are invited to submit their responses along with the following documents (in hard and/or soft copy) on or before **August 08, 2025**:

- i. Company profile and background
- ii. Detailed product catalogue
- iii. Specification and Technical Features of the offered product/platform
- iv. Duly signed copies of Annexure-1, Annexure-2 and Annexure-3
- v. **Audited financial statements** for the last three financial years, including auditor's reports

Based on the responses received, BHEL will engage in further discussions with shortlisted parties to define the scope and structure of the proposed technology partnership. In case any amendment/corrigendum issued to this EoI, it shall be notified only at [www.bhel.com](http://www.bhel.com)

**6) Contact Details**

The respondent shall submit signed copy of the EoI along with Annexures, supporting documents specified above in this EoI to the following official:

**Additional General Manager**

Corporate Technology Management  
Bharat Heavy Electricals Limited  
BHEL House, Siri Fort  
New Delhi – 110049, India  
Phone: +91 11 66337458 / 7213  
Mobile: +91 9441176267 / +91 9818103430  
Email: [techeoi@bhel.in](mailto:techeoi@bhel.in)

**7) Restrictions on Specified Transfer of Technology with an entity from a country which shares a land border with India**

7.1 Respondent from a country which shares a land border with India will be eligible to respond to



this EoI only if Respondent is registered with Competent Authority (Registration Committee constituted by the Department of Promotion of Internal Trade (DPIIT) of Govt. of India). Such registration should be at least valid for the entire period of EoI due date or any extension thereof.

7.2 Respondent from a country which shares a land border with India means: a) An entity incorporated, established or registered in such country; or b) A subsidiary of an entity incorporated, established or registered in such country; or c) An entity substantially controlled through entities incorporated, established or registered in such country; or d) An entity whose beneficial owner is situated in such a country; or e) An Indian (or other) agent of such an entity; or f) A natural person who is a citizen of such a country; or g) A consortium or joint venture where any member of the consortium or joint venture falls under any of the above

## 8) Miscellaneous

### 8.1 Right to accept or reject any or all Applications

8.1.1 Notwithstanding anything contained in this EoI, BHEL reserves the right to accept or reject any or all applications, or to annul the EoI process entirely, at any stage, without incurring any liability or obligation and without assigning any reason. In the event of such annulment, BHEL may, at its sole discretion, invite fresh applications from all eligible OEMs/suppliers.

8.1.2 BHEL further reserves the right to reject any applicant, during or after the EoI process, if it is found that the applicant has made any material misrepresentation or has failed to provide, within the prescribed timeline, any additional information sought by BHEL.

8.1.3 BHEL reserves the right to verify all statements, information, and documents submitted by applicants in response to this EoI. Any such verification or the lack thereof shall not absolve the applicant of its responsibilities or liabilities, nor shall it affect any rights of BHEL under this EoI.

### 8.2 Process to be Confidential:

All information relating to the examination, clarification, evaluation, and comparison of EoIs, as well as recommendations and decisions, shall remain confidential. Any attempt by prospective partners to influence BHEL in the evaluation or decision-making process may result in disqualification and rejection of the applicant's response.

### 8.3 Governing Laws & Jurisdiction

This EoI and the process related to it shall be governed by and construed in accordance with the laws of **India**. The **courts of New Delhi** shall have exclusive jurisdiction over any disputes arising out of, in relation to, or in connection with this EoI process.

**Broad Technical requirements of the ADGM-(SP)**

Sl.	Specification	Parameters	Remarks
1.	Gun System	<ul style="list-style-type: none"> <li>• Single barrel, if Gun &gt; 35 mm</li> <li>• double barrel, if gun ≥ 30 mm and &lt; 35 mm</li> <li>• Single or double if gun is 35 mm</li> </ul>	
2.	Missile System	<ul style="list-style-type: none"> <li>• Minimum 4 nos. in ready to launch mode</li> </ul>	
3.	Crew strength	<ul style="list-style-type: none"> <li>• Crew ≤ 4</li> </ul>	
4.	Weight	<ul style="list-style-type: none"> <li>• 35 MT + 10%</li> </ul>	
5.	Chassis	<ul style="list-style-type: none"> <li>• Tracked Chassis</li> </ul>	Wheeled option not acceptable
6.	Niche Capabilities	<ul style="list-style-type: none"> <li>• Electro Optical Fire Control System (EOFCS)</li> <li>• 360 ° 3D AESA Radar system (Surveillance, target detection and Tracking)</li> <li>• Sighting system</li> <li>• Communication system</li> <li>• Protection system</li> </ul>	

(SIGNATURE)

**Prospective Partner's experience in ADGM-SP**

Sl.	Requirement	Yes/No (with specific details)
(a)	Whether the Prospective Partner is an OEM/supplier of Self-Propelled Air Defence System similar to the one required through this EoI?	
(b)	Whether the Prospective Partner either on its own or along with its consortium partner(s) has designed, manufactured and supplied Self Propelled Air Defence System?	
(c)	Whether the Prospective Partner owns the IPRs for the technology being proposed or have unencumbered right from the owner of the IPRs to sub-license the technology, if applicable?  If yes, a list of non-owned IPRs is to be enclosed.	
(d)	Whether the Prospective Partner agrees to Transfer of essential technology to BHEL to enable BHEL to design, engineer, manufacture, assemble, quality control, test, supply, install, commission, repair, service, and retrofit state-of-the-art ADGM-SP?	
(e)	Whether the Prospective Partner confirms its willingness to facilitate BHEL in establishing required manufacturing/assembly, integration, test facilities and maintenance facilities for ADGM-SP?	
(f)	How many Self-Propelled Air Defence System have been supplied till date and year of induction for the latest product offered which are in-service?	



Sl.	Requirement	Yes/No (with specific details)
(g)	Whether the prospective partner's Self-Propelled Air Defence System has been exported or licensed to other countries?	
(h)	Whether the prospective partner has the experience of establishing facilities/ owns facility for carrying out Maintenance, Overhaul and Repair (MRO) services for the Self-Propelled Air Defence System?	
(i)	Whether the prospective partner has the experience of providing training aggregates and technical training to end customers for the Self-Propelled Air Defence System?	
(j)	Whether the Prospective Partner has been blacklisted/banned business dealings for the Ministry of Defence or any Government Department of India as on date of EoI submission?	
(k)	Whether details of the company background, product catalogues have been enclosed?	
(l)	Whether the detailed reference list of the supplies made as per point (f) and (g) as above, has been enclosed in Annexure-3?	
(m)	Whether copy of the Prospective Partner's annual audited financial reports for the last 3 years has been enclosed?	
(n)	Whether a summary of experience & references has been enclosed?	

(SIGNATURE)





**Annexure -3**

**Reference List:** The Prospective Collaborator shall furnish a summary of their product reference as detailed below for major supplies:

Sl.	Year of Supply	Name of Customer	Description of Self-Propelled Air Defence System	Remarks (Quantity, Order Value etc)
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

(SIGNATURE)