



Expression of Interest for the Transfer of Technology and Manufacturing of the Compact Automatic Poisonous Gas Absorption Module (CAPAM)



**SECURITY AND SCIENTIFIC
TECHNICAL RESEARCH
ASSOCIATION**



Indian Navy

1. Description

Compact Automatic Poisonous Gas Absorption Module CAPAM, the world's first low-cost, biodegradable air purifier designed to revolutionize air quality management. CAPAM is an innovative air purification solution that uniquely absorbs and neutralizes hazardous gases, including oxides of sulfur and nitrogen (NO, NO₂, SO₂), as well as other acidic vapors from combustion and battery emissions.

In addition, CAPAM addresses the absorption of carbon dioxide, restoring oxygen levels to normal in enclosed spaces such as cars, homes, and bunkers, thereby significantly reducing the risk of gas poisoning. CAPAM also effectively absorbs acidic carcinogens produced from car upholstery when vehicles are exposed to heat, either in sun or shaded locations.

CAPAM's portable and compact design ensures unparalleled convenience and effectiveness in various settings. By incorporating advanced HEPA/HEXA filtration technology, CAPAM efficiently captures micron-sized dust, pollen, and volatile organic particles, ensuring that the air you breathe is free from harmful gases, allergens, and pollutants. Made from biodegradable materials, CAPAM not only protects your health but also safeguards the environment.

The development and commercialization of CAPAM are supported by necessary patents. It is proposed to offer the Transfer of Technology (ToT) of CAPAM to interested enterprises for production and distribution. The ToT seeking enterprises shall comply with the following criteria/requirements:

- (a) Possession of relevant licenses for manufacturing air purification devices from appropriate authorities.
- (b) Capability in the production of air purification systems.
- (c) Compliance with ISO or equivalent standards for Good Manufacturing Practices (GMP).

- (d) Manufacturing facilities equipped to handle chemical operations such as absorption, filtration, and neutralization over a wide temperature range and unit operations like vacuum filtration, vacuum distillation, extraction, and crystallization.
- (e) Capacity to absorb the technology and produce CAPAM at an industrial scale with a target production capacity to meet market demand promptly.
- (f) Fulfilment of all regulatory requirements for manufacturing, quality assurance, and quality control.
- (g) Not under any ban by the Government of India, any State Government, Union Territory, or any Government Agency.
- (h) Not under insolvency resolution.



CAPAM is the cutting-edge solution you've been waiting for, combining innovation, sustainability, and affordability to ensure clean, breathable air in any confined space. Experience the future of air purification with CAPAM.

2. Transfer of Technology Fees

Transfer of Technology (ToT) fee of Rs 4,00,000 + Applicable GST is payable by the industry to the Security and Scientific Technical Research Association at the time of signing the Transfer of Technology Agreement for entering into the Revenue Agreement.

3. EOI Submission Date

Industries interested in submitting an Expression of Interest (EOI) need to submit it by 17:00 hrs, 1st August (Friday) 2025. The EOI should be submitted in physical form via speed post to SASTRA Office, Rashtriya Raksha University, Ministry of Home Affairs, Government of India, Lavad, Gandhinagar, Gujarat, India - 382305. Any applications received after this deadline, including those delayed due to postal service issues or other circumstances, will not be considered by SASTRA. EOI submissions will be evaluated by a Technical Assessment Committee (TAC). The Transfer of Technology (ToT) will be provided under exclusive and non-exclusive agreements, based on the capabilities of the applicants and the technical handholding support provided by the Security and Scientific Technical Research Association, and on a "First Come, First Served" basis.



4. Contact Details

Interested companies are requested to apply against this EoI through speed post to following:

To
Project Director
Security and Scientific Technical Research Association Office, Rashtriya Raksha University,
Ministry of Home Affairs, Government of India
Lavad, Gandhinagar, Gujarat, India -382305

5. Documents to be submitted with EoI

The company must provide details about company and documents in support of their claim as per Appendix- A. Any additional documents as required by Security and Scientific Technical Research Association (SASTRA) shall be sought based on request received from the interested industries.

6. Other Terms and Conditions

The Other Terms and conditions for industry seeking ToT are the following: -

- (a) Security and Scientific Technical Research Association (SASTRA) reserves the right to reject any offer or proposal without assigning any reasons.
- (b) Submission of EOI does not guarantee ToT to applicant industry.
- (c) A committee of experts constituted by SASTRA may visit the company manufacturing sites and facilities for assessing the strengths and capacity as furnished by the respective company before shortlisting for ToT.
- (d) Once the Transfer of Technology (ToT) has been granted, the applicant does not have the right to withdraw or challenge the process in its entirety.
- (e) The ToT Fee payable by the industry to SASTRA at the time of signing the ToT Agreement, Revenue Agreement, and any related documentation is non-refundable and cannot be claimed by the industry at a later time.

7. For further details or clarifications, please submit your queries via email to msme@sastra.co.in or contact us at +91 9978401179.

Appendix-A**List of support documents to be attached with EOI**

(In order to simplify the review process and obtain the maximum degree of comparability, the EOI shall include the following items and be organised in the manner specified on the following pages)

Sl. No.	Particular	Response	Reference page no
1.	Name of the Company		
2.	Legal Name (if different)		
3.	Full Mailing Address		
4.	CIN of the vendor company (enclosed with registration certificate/ Proof)		
5.	DPIIT No. (If any, enclosed registration certificate/ Proof)		
6.	Udyam Registration Number (if any, enclosed Registration certificate/ Proof)		
7.	GST number (with enclosed certificate/ Proof)		
8.	PAN & TAN of the company		
9.	Telephone Number		
10.	FAX Number		
11.	Website		
12.	Years in Business		
13.	Year of establishment		
14.	Registered Office address		
15.	Head of the Establishment		
16.	Constitution		
17.	Contact Person		
18.	Mobile		
19.	E-mail		
20.	Whether registered with the Registrar of Companies/ Firm. If so, please furnish details thereof		

	(Attach certificate of incorporation)		
22.	Certificates of registration as a manufacturing unit, if any.		
25.	Income Tax returns for the preceding three-year period.		
29.	Record of past performance (e.g., Supply orders executed, if any).		
32.	ISO/ ISI certification or any other certification (if any), i.e. MSME, Udyam registration, DPIIT registration, etc.		
33.	Capacity/capability to market the product through the marketing network, sales and service network, and reliability to maintain confidentiality will be taken by undertaking.		
34.	Under taking from company seeking ToT that none of its Directors, Independent Directors, non-executive Directors, and Key management personnel are involved in any corrupt practices, unfair means and illegal activities.		
35.	Under taking from Company seeking ToT in respect of Para 1 (g) and Para 1(h) of EoI.		



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