

Automatic Chemical Agent Detection and Alarm (ACADA)

Chemical Warfare Agents (CWAs) are man-made highly toxic chemicals that act rapidly on exposure and sometimes lethal even at low levels. Ion Mobility Spectrometry (IMS) based detectors are used to detect these CWAs. DRDE Gwalior developed Twin tube IMS detector (called as Automatic Chemical Agent Detection and Alarm/ACADA) is an advanced system for simultaneous detection of all CWAs as well as Toxic Industrial Chemicals (TICs) and can be used for continuous monitoring. ACADA contains two highly sensitive IMS cells for continuous detection and simultaneous monitoring. This is a fixed point man portable CWA detector with battery and can also be mounted on vehicle. It has provision of Audio & Visual alarm. Detector has Remote alarm unit for receiving data at central monitoring station. It can detect very low concentrations of the agents with in a minute. The detector comes with a pre-programmed chemical data library, which is expandable and can be updated based on user's requirements.



Interested companies/industries are requested to apply against this EoI to following address:-

To,
The Director
Defence Research & Development Establishment (DRDE)
Jhansi Road, Gwalior- 474 002
Phone No – 07512341550
Fax No - 07512341148
Email-director.drde@gov.in

A copy of interest may be sent to the following address without any attachment:-

Copy to:-

The Director
Directorate Industry Interface and Technology Management (DIITM)
Room No 447, DRDO Bhawan, DRDO HQrs, Rajaji Marg, New Delhi – 110011
Phone No: 01123013209/23015291
Fax No: 011-23793008
Email ID: diitm.hqr@gov.in

List of Supporting documents to be attached with EoI

- (a) Memorandum and Articles of Association (Should be incorporated as per Indian Companies Act, as amended time to time)

- (b) Certificates of registration as a manufacturing unit, if any.
- (c) Audited Balance Sheet for the preceding three years.
- (d) Income Tax returns for the preceding three year period
- (e) Details of shareholding/ownership pattern especially foreign partners/ shareholders, foreign employees, directors, etc. The company must adhere to the prevailing Govt of India policies and regulations on Foreign Direct Investment (FDI)/DIPP norms as applicable.
- (f) Annual budget for R&D during last three years.
- (g) Numbers and details of IPR or patents, etc., held by the company.
- (h) Number of technically or professionally qualified personnel.
- (i) Record of past performance (e.g., Supply orders executed against of Ministry of Defence orders, Public Sectors and Paramilitary Forces, if any).
- (j) Availability of adequate infrastructure (List of machines and their production capacities) and technical expertise.
- (k) List of Testing and Support equipment's
- (l) ISO/ ISI certification or any other certification
- (m) Relevant clearances form the authorities/ ministries (if any)
- (n) Capacity and capability to undertake developmental work and to accept attendant financial and commercial risks.
- (o) Capacity/capability to market the product through the marketing network, sales and service network, reliability to maintain confidentiality.
- (p) PESO and DPIIT license for explosive handling if ToT is for high energy Material, explosives, propellants, and component/ system dealing with it etc.
- (q) Under taking form company seeking ToT that none of its Directors, Independent Directors, non-executive Directors, Key management personnel are involved in any corrupt practices, unfair means and illegal activities.
- (r) Details of the industrials license for defence manufacturing be provided by the industry seeking ToTs.