

# Solicitation of EOI from Industries seeking ToT for Air droppable Survival and Rescue Kit (SARK)

## Introduction

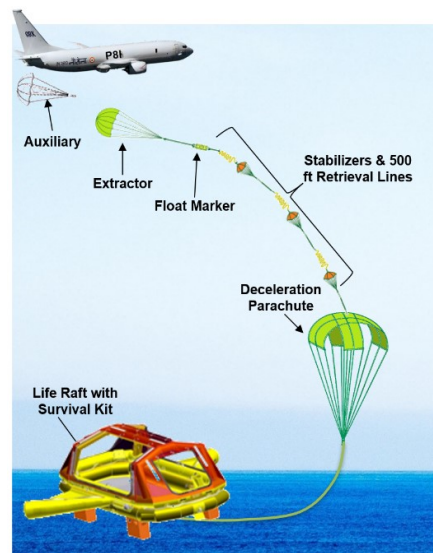
ADRDE, a pioneer in the field of Aerial Delivery Systems, has designed and developed the Air droppable Survival and Rescue Kit (SARK) for quick emergency rescue of a group of persons in distress over sea.

## AIM

To find suitable industry(ies) partners for required bulk production of SARK to address the existing and futuristic product demands of the Armed Forces. DRDO will transfer the technology to the industry for bulk production.

## System description

The SARK system consists of parachute system, light weight inflatable life raft and essential survival accessories for 8 to 10 persons. The parachute system consists of auxiliary parachute, extractor parachute, retrieval lines (self-buoyant), stabilizer parachute and terminal deceleration parachute. The complete system is packed inside flexible container made out of fire-retardant high gsm PVC fabric. The packed system is designed to be attached and dropped from BRU of P8I aircraft. After airdrop, sequential deployment of parachute occurs leading to the final deployment of terminal descent parachute. The life raft inflation initiates mid-air due to the force exerted by the terminal descent parachute and activation of light weight carbon dioxide cylinder inflation within 60 sec of initiation. The inflated life raft is ready to be boarded by the survivors over sea who can access it using long retrieval lines attached with it. The essential survival accessories for 10 persons are packed and attached to the life raft.



The parachute system is certified by CEMILAC and life raft complies design and performance requirements in line with ITSO-C70a standards.

The Survival accessories consists of (i) Utility tools: safety knife, repair kit, whistle, emergency signalling mirror, sea marker dye, compass, flare day and night, strobe light, manual bellows, fishing kit (ii) Medical kits: First aid kit, lipstick, anti-chap, sunburn cream, (iii) Edible items: Food packets, Emergency Drinking water, Water storage bag, (iv) Wearables: Tower, gloves, watch, cap, casualty blanket.

- 1) Interested companies/industries are requested to apply against this Eoi to following address:-

To,

**Director**

**Aerial Delivery Research & Development Establishment (ADRDE)**

**DRDO, Govt. of India, Ministry of Defence**

**Post Box No.51, Station Road , Agra Cant -282001**

**[Email-director.adrde@gov.in](mailto:Email-director.adrde@gov.in)**

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

**The Director**  
**Directorate of Industry Interface & Technology Management (DIITM)**  
**Room No. 447, DRDO Bhawan, Rajaji Marg, New Delhi-110 011**  
[Email-diitm\[dot\]hqr\[at\]gov\[dot\]in](mailto:diitm@hq.gov.in)

**List of Support 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.