

Expression of Interest for

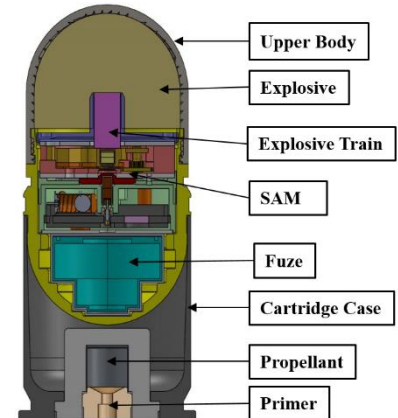
“40mm High Explosive Anti-Personnel (HEAP) Grenade for UBGL”

Introduction

1. HEAP Grenade is used with 40mm Under Barrel Grenade Launcher (UBGL) and Multiple Grenade Launcher (MGL) in anti-personnel role. The internally notched warhead and adequate high explosive content ensure anti-personnel lethality up to more than 5m distance from the point of explosion with adequate hit density. The grenade is fitted with a reserve battery based advanced Point Detonating and Self-Destruction (PDSD) Fuze.

The salient features of the grenade are as below:

- a. Compatible with in-service 40mm UBGL and MGL weapons held by Indian Armed Forces including CAPFs
- b. Range: more than 375m
- c. Muzzle Velocity: 76 ± 3 m/s
- d. Fuze: Electro-mechanical type with self-destruction feature



2. Scope / responsibility / terms & conditions

- I. The firm would be required to realize components, empty and filled sub-systems and system integration for production and supply of the grenades to Indian Armed Forces, including CAPFs.
- II. The firm will be required to source the Fuze from DRDO developed supply chain. The firm may prefer to source components from DRDO developed sources.
- III. It would be prudent for the firm to support other industries, issued ToT licenses by DRDO, for supply of critical components, if any, for establishing a synergized eco-system towards attaining complete self-reliance.
- IV. The firm should have valid license for manufacturing and assembly of grenades or ammunitions of similar class.
- V. The firm should have PESO license as applicable for handling the explosive sub-systems.

3. Other requirements

- I. The ToT seeking firm should provide evidence of availability of adequate infrastructure (List of machines and their production capacities) and technical expertise.
- II. The firm should have experience of minimum 05 years in the field of ammunition manufacturing. Record of past performance in this regard to be submitted.
- III. The firm should provide Audited Balance Sheet and Income Tax returns for the preceding three years.
- IV. The firm should submit undertaking that none of its Directors, Independent Directors, non-executive Directors, Key management personnel are involved in any corrupt practices, unfair means and illegal activities.

4. Special Conditions:-

- I. The firm should have in-house manufacturing facility/indigenous source for all the explosive components, including but not limited to, Primer and Double Base Propellant.
- II. The firm should have experience of minimum 05 years in the field of ammunition manufacturing. Record of past performance in this regard to be submitted

Contact Details

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

To,

Director

Armament Research & Development Establishment (ARDE)

DRDO, Govt. of India, Ministry of Defence

Dr. Homi Bhabha Road, Pashan, Armament, Pune -411 021

Email-director.arde@gov.in

Copy to (without attachement)

The Director

Directorate of Industry Interface & Technology Management (DIITM)

Room No. 447, DRDO Bhawan, Rajaji Marg, New Delhi-110 011

Email-diitm.hqr@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.