

High Explosive filling PBHE-101 for Air to Surface Missile Warhead

Explosive system for the air to surface missile warhead comprising main charge filling and booster charge was developed at HEMRL. HE composition of insensitive in nature, has been used in the warhead and suitable pressed booster pellet was also developed for the explosive train. The development of main filling (Cast cure based) and filling methodology in warhead is completed and meeting the required performance lethality at the desired distances against the surface targets.

All the tests of warhead including explosive system are completed. The technology for the explosive system of the missile warhead is developed and ready to be transferred to the interested industries for bulk production.

Developed technology has met all performance parameters during evaluation trials and ready to be transferred for production and is equivalent to global state of art. All the raw materials and process equipment required for the preparation of explosive filling are available indigenously.

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

To,

Director
High Energy Materials Research Laboratory (HEMRL)
DRDO, Govt. of India, Ministry of Defence
Sutarwadi, Pune-411 021
Email-director.hemrl@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.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.