

“Manufacturing of Nitramine based Extruded Double Base (EDB) Propellant Grain No. HELBS-TI-1680”

Nitramine based Extruded Double base (EDB) Propellant Grain No. HELBS-TI-1680 is developed by HEMRL. This grain is consisting of Booster and sustainer propellant and developed for the anti-tank guided missile which will be launched from helicopter. The Booster propellant is tube configuration (outer and inner Booster grains) and Sustainer Propellant is solid configuration with end burning mode. The booster and sustainer propellants are cartridge loaded. Manufacturing of Nitramine based Extruded Double Based (EDB) Propellant Grain No. HELBS-TI-1680 consists of processing of raw materials, extrusion, machining, inhibition, UT & X-ray radiography etc.

Inhibition system for the Nitramine based Extruded Double Base (EDB) Propellant Grain No. HELBS-TI-1680 is high strength reduced smoke with better interface bonding properties is also developed at HEMRL for the booster and sustainer grains.

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

To,

The 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:-

To,

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.