

- a) Technology of HE filling and Pyro devices for PRACHAND munitions under New Family of Munitions**
- b) Integration and Testing of HE & Pyro components with PRACHAND empty Device under New Family of Munitions**

Description of Technology:

ARDE and HEMRL have developed a Anti-tank influence munition namely PRACHAND. The hardware was developed by ARDE with help of private industries M/s AMPL, Hyderabad. HEMRL developed main filling for PRACHAND munition by using a HMX based melt cast powerful explosive composition. The boosters are RDX and RDX/Wax based charges used in the explosive train of the munition. The other explosive components used in the explosive train are Delay Detonator, Container clearing charge and visual indicator charge. The explosive technology for filling PRACHAND munition has been fully established.

The hardware was further integrated and tested by ARDE with explosive items provided by HEMRL

Application Areas:

PRACHAND is advance version of anti-tank influence munition which will be used to kill enemy A type vehicles during a war.

Its USP – such as Certifications and test results etc.:

Hardware were developed and tested by ARDE through M/s AMPL, Hyderabad. The qualified hardware was integrated with explosive components. The explosive performance has been evaluated by User against PSQR requirements and trials have been completed successfully. Explosive technology used in the development of munition is fully established at HEMRL. All required ingredients / compositions are available indigenously. Existing standard melt cast facilities available at ordnance production centres can be utilized to prepare and fill this composition. Similarly technology for other explosive components is fully established. Machinery and equipment required for preparation and filling of the munition is indigenously available.

