

Area Denial Munition Type-II warhead for Artillery Rocket System

This is one type of ammunition to be deployed for Multi Barrel Rocket System. This ammunition uses already developed Ground system, propulsion & launcher POD assembly. The warhead portion for which present TOT is being proposed houses the ADM type-II munitions.

The warhead consists of an outer ballistic casing, which is made up of Al Alloy Ogive & Shell assemblies. Sub-munitions are packed along the length of the warhead in six layers and each layer consists of three Nos. These are axi-symmetrically packed inside the casing. The ejection of these munitions near the target area is one of key design activity. Flexible Liner Shaped Charge (FLSC) coupled with spring-based force ejection mechanism is developed and proved in several dynamic trials.

Munition houses the required kill mechanism. In addition, it is having the Safety and arming Mechanism (SAM) which caters for full safety during handling, storage and transportation. Also, the SAM would provide necessary launcher and flight safety. Munition is initiated by an electro-magnetic fuze. The fuze triggers the ATM on sensing the required change in magnetic flux when a Tank passes over that. The fuze also contains an anti-tilt device in addition to self-destruct capability.