

Area Denial Munition Type III 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-III munitions.

Brief description of the warhead structure :

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 16 layer(s) and each layer consists of three No(s) of Submunition(s). 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.

At a predetermined height from the ground, the main ET fuze functions & initiates the case cutting. Once the casing is cut, the ADM type-III munitions are ejected due to spin and spring force

Brief description about Munition:

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 launch and flight safety

Munition is initiated by a fuze which triggers the STM on sensing pressure on it's pressure pad. The fuze also contains an anti-tilt device in addition to self-destruct capability. Factory Settable self-destruction (SD) period of selected days are provided. Also SDA backup is provided.