

## **81 mm Anti Thermal Anti Laser Smoke Grenade**

HEMRL has designed & developed red phosphorus based 81 mm Anti Thermal Anti Laser Smoke Grenade for Indian Army to defeat Laser equipment and Thermal Imaging (TI) sights of the Tanks in the battlefield to enhance survivability. The grenade is fired from 81mm calibre launcher mounted on AFVs to a distance of  $65 \pm 10\text{m}$  within  $3.8 \pm 0.3$  seconds. The grenade functions on receiving an electric impulse from the AFVs and generates smoke screen of 30m wide and 10m height for more than 20 seconds with a salvo of 4grenades. The grenade has undergone User Assisted Technical Trials (UATT) successfully. It is proposed to transfer the technology to Ordnance Factory/ private firm in order to meet the requirement of User. All chemical ingredients and hardware components are indigenously available.