

R&D

Third Winner

■ **Project Title:**

Designing and manufacturing Ammunition 130 mm Heat Cargo

■ **Initiator:**

Ammunition Industries Group Shahid Sattari Complex

■ **Representative:**

A.B. Sarmasti (Eng.)

■ **Contributors:**

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■ **Colleagues:**

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Abstract :

The purpose of project is designing & producing Ammunition 130 mm HEAT cargo in Ammunition Industries Group - Shahid Sattari Complex, for the first time in Iran.

This ammunition has many capabilities such as long range, high lethality and it can be fired by existing guns in Army without need of special devices or changing the propellant. The gunners do not need special training for firing.

Main uses of Ammunition are as follows:

-Suppression and defeat of massed formation of armored targets, such as tanks, infantry combat vehicles, self-propelled artillery and other combat vehicles;

-Suppression and annihilation of exposed enemy living forces,

-Destruction of technical equipment and facilities such as airfields, oil depots as well as communication facilities.

The results of project are as follows:

Obtaining the Know-How for designing & producing Ammunition, forging and heat treatment of steels containing Silicium, Chrome, Manganese. Developing the efficiency of Ammunition. Designing & producing the firing table of Ammunition and Computer software for the internal & external Ballistic of Ammunition. Arming the defending forces of Country. Presence in world market of Ammunition. Using the obtained experience and result of research we can expand the civil products.