

“DRDO: Achievements and Way Ahead”

Research and development of defense is backbone of a secure country. A country is safe and secure if their defense system is developed. India is a fully secure and safe country by efforts of the defense research and developed organization (DRDO).

Every achievement of DRDO makes india more secure and show ability of country to defense every attack. It also represent defense power of india to worldwide.

ACHIEVEMENTS:

- From the year of forming(1958) DRDO engage and serving in research and developments of defense technologies field like aeronautics, missiles, naval system and defense engineering. That all works makes drdo most diverse research organization.
- First achievement of DRDO start in 1960 of achieve success in “project indigo”. The project indigo consists the project work in surface-to-air missile (SAM) project.
- In 1970 project devil brings project of short range surface to air missile. The result of this project is missile Prithvi under the program integrated guided missile development program(IGMDP).
- As developed IGMDP project, it brought the next generation missile like Agni, Akash, Trishul, Prithvi-ballistic missile and nag missile. This was the golden period of DRDO.
- DRDO is also a part of air force’s program for MiG-27 and sepecat jaguar aircraft. It is a part of big achievement of DRDO in aeronautics.
- DRDO provide key for sukhoi Su-30MKi project under the vetrivel program.
- Aeronautical development agency of DRDO is also responsible for the design and development of fifth generation aircraft and spacecraft.
- Pinaka-a multi barrel rocket launcher, Prahaar-a long range tactical rocket system, developing illuminating bombs and shells for indian army is gifts to indian army by DRDO.

Following are the major achievements of DRDO for various fields-

AERONAUTIC:

Light combat aircraft, Sukhoi su-30 MKi, mIg-27, Sepecat jaguar, Avatar(spacecraft).

MISSILE SYSTEM:

Prithvi, Agni(Agni-5 newest version), Akash,Trishul, Nag,-anti tank missile, Brahmos, Brahmos block-3, shaurya, Sagarika, Sudashan, Prahaar, Astra missile.

UNMANNED AERIAL VEHICLE:

Nishant, Abhya, Aura, Netra, Fluffy, Imperial edge, Kapothaka, Pawan UAV, Rustom, ulka and Lakshya- a pilotless target aircraft.

TANK ARMAMENT:

Arjun, Vijayanta etc.

RADAR:

Indra, Rajendra- fire control radar, BFSR-SR, Supervision-2000, Swordfish, 3D multi- function and 2D lightweight radar.

SCIENCE AND TECHNOLOGY:

Much achievements in electronics, computer, laser science and technology for developing and improving defense techniques.

Recently achievement:- Brahmos, the world's fastest supersonic cruise missile successfully flight tested from IAF's frontline fighter aircraft sukhoi-30MKi.

This is historic achievement of DRDO. This achievement placed india at apex position in world and every citizen of india proud on it.

WAY AHEAD:

There are much need to make, plans and develop projects on supersonic missiles. Some projects are left to achieve, so DRDO have to complete early. DRDO have to developed missile which performs every conditions.

DRDO required to do work on naval ships and submarine also. Projects on submarine is most important to developed because a big coastline border of india.

We have to require ready for face any attack with all fields of defense- land, air and naval.

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