

Steady rise in budget allocation for DRDO

New Delhi: There has been a steady rise in the budgetary allocation of the Defence Research Development Organisation (DRDO) since last three years, the Centre said on Wednesday, emphasising that it has been supportive of providing additional funds for the agency on need basis.

In a written response to a question in Lok Sabha, Minister of State for Defence Shripad Naik said Rs 13,501 was allocated to the DRDO in 2016-17. It increased to 15,399.25 and 17,121.99 in 2017-18 and 2018-19.

Naik said Rs 19,021.02 has been allocated for 2019-20.

It said the DRDO has created five young scientists laboratories to produce innovative and out-of-the-box solutions to meet the needs of the armed forces.

The five labs are Artificial Intelligence in Bengaluru, Asymmetric Warfare Technology in Kolkata, Cognitive Sensor Technology in Chennai, Smart Materials in Hyderabad and Quantum Technology in Mumbai.

In response to another question, he said modernisation of the DRDO is a continuous process, wherein new technologies, systems, sub-systems are indigenously developed for armed forces.

In addition to this, modernisation of infrastructure facilities is also continuously taken up to support these activities.

He said performance audit of DRDO labs was done on case-to-case basis by authorities in the last few years. Apart from this, the DRDO has been audited by a number of committees like the Kelkar panel committee.

Its suggestions like inclusion of representatives of Council of Scientific and Industrial Research (CSIR) and Indian Space Research Organisation (ISRO) in the Defence Research & Development Board have been implemented.

"On the recommendations of Kelkar Committee, Rama Rao Committee was constituted in February 2007 by the government on matters related to the DRDO. Suggestions under the purview of DRDO have been implemented," he said.

In reply to a separate question on Akash Missile, Naik said it is an indigenous surface to air weapon system, designed and developed by the DRDO. It has been deployed by the Indian Air Force (IAF) and the Indian Army (IA) in combat areas.

In recent development, Short Range Surface to Air Missile (SRSAM) global case has been withdrawn and also awarded to Akash with upgrades of Seeker Technology, Reduced footprint for weapon system elements, 360 degree engagement capability and high altitude/low temperature operation, which is named as "Akash Prime".

(Disclaimer: This story has not been edited by Outlook Staff and is auto-generated from news agency feeds. Source: PTI)

<https://www.outlookindia.com/newscroll/steady-rise-in-budget-allocation-for-drdo/1672152>

Minister of Defence Rajnath Singh calls for increased synergy between DRDO and industry to achieve self-reliance

Ministry of Defence has set the target of \$26 billion for aerospace, defence services and goods by 2025

Recently Defence Research and Development Organisation organised DRDO Industry Synergy Summit 2019 in Hyderabad. In a video message, Defence Minister Rajnath Singh welcomed the synergy being created for boosting the indigenous development of defence systems and technologies. He said, DRDO is taking crucial steps for attaining self-sufficiency in the area of defence systems development. The DRDO has been contributing towards research, design and development of many defence technologies in the areas of missiles, fighter aircrafts, naval systems, electronic warfare, radars, sonars and armament systems since its inception.



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Raksha Mantri said, under the Defence Production Policy, the Ministry of Defence (MoD) has set the target of \$26 billion for aerospace, defence services and goods by 2025. In this, approximately \$10 billion is targeted for creating job opportunities for 20-30 lakh people.

Highlighting the various initiatives of Government to encourage innovation and self-sufficiency in the defence sector, Rajnath Singh stressed on the need for excellence in the field of defence innovation and their adoption. He said, Defence Public Sector Units (DPSUs), Industry, research institutes and services need to work in tandem to achieve the target of incorporating at least 25 Artificial Intelligence based products into defence in near future.

The minister appreciated that DRDO has nurtured more than 1,800 industries which are actively working together to produce defence systems. He asked the DRDO and industry to explore new ways for enhancing synergy to achieve the goal of self-sufficiency.

In his address, Secretary, Department of Defence, Research & Development and Chairman DRDO Dr G Satheesh Reddy elaborated about among others the latest policies of DRDO like Zero Transfer of Technology (ToT) and Zero Royalty for Development-cum-Production Partners (DcPP) and free usage of DRDO patents by domestic Industry. Expressing confidence in defence industry, he said, healthy scenario is to be fostered for closer interactions between Industry and DRDO to overcome the gaps.

The DRDO Chairman highlighted that of late industry base has greatly widened from mere manufacturing to development and designing of components and sub-systems. He said, the Indian Industry has matured from ‘Build from Print’ to ‘Build from Specifications’. A panel discussion chaired by Chairman DRDO was also held. Many concerns were raised and suggestions were given by the industry participants. It was communicated that constructive suggestions will be duly taken into account in the upcoming policies for improvement of the functioning of the system.

Some industry representatives shared their experiences of working in the defence sector and spoke about the challenges faced by startups and MSMEs in manufacturing and exports. Senior officials of DRDO and around 300 Industry representatives were also present on the occasion.

<https://www.manufacturingtodayindia.com/sectors/5628-minister-of-defemnce-rajnath-singh-calls-for-increased-synergy-between-drdo-and-industry-to-achieve-self-reliance>

India's Balakot-proven eye-in-the-sky fleet to have a boost with new programs

By Alice Jacob

India is speeding up the purchase of aircraft to enlarge its own fleet of airborne early warning and control aircraft (AEW&C) for peeping deep to the Pakistani territory throughout Balakot-like paths. The ministry underneath Defence Minister Rajnath Singh will soon sanction the purchase of two Airbus A330 platforms such as adding to India's fleet.

The Defence Research and Development Organisation (DRDO) will match it using indigenously designed Netra system which contains an innovative active electronically scanned array (AESA) radar which provides a 360-level view from the stage. Seemingly, DRDO has selected a 330 for its loiter interval compared to Russian-built Illushin IL-76 where India has mounted that the Phalcon system jointly produced by Russia and Israel.



Mirage-2000 jet: The most ferocious IAF fighter

The Indian Air Force (IAF) best brass was content with the operation of both Airbus A330-mounted Netra techniques which tacked and directed that the Mirage 2000-5 assault formation which destroys the Jaish-e-Mohammed (JeM) coaching camp in Balakot, roughly 80km flying distance in the point of control (LoC) in Kashmir.

The attack February 25 would be to avenge the Pulwama terrorist bombing of a paramilitary convoy at Jammu and Kashmir killing dozens of paratroopers.

The inadequacy of this AEW&C fleet of the IAF was sensed if the worries following a foiled Pakistan Air Force (PAF) incursion bidding contributed to skirmishes along with the shooting down of an F-16 fighter airplane from MiG-21 Bison flown by Wing Commander Abhinandan Varthaman, that dropped his own aircraft however firmly bailed out.

Pakistan set to maximum use its six Saab 2000 early warning aircraft according to a study on the site of the Economic Times. The excellence in numbers may have helped Pakistani lead greater aircraft to European goals throughout the standoff, it's reported.

The government of Prime Minister Narendra Modi eliminated the Rs 5, respectively 200 crore strategic programme to come up with the next-generation airborne warning and control systems (AWACS) which will work as a significant force multiplier for IAF in 2015. The DRDO is predicted to induct its newest early-warning platforms to the IAF by 2025 after producing structural alterations and adaptations for matching the 10m rotodome which is going to be mounted onto the aircraft.

Indian Space Research Organisation (ISRO), meanwhile, is still continued to deploy its constellation of low earth orbit satellites which will help in the navigation of aircraft. The notion is to prevent based on navigation satellites from different nations during times of battle to prevent data flow.

<https://thenewspocket.com/indias-balakot-proven-eye-in-the-sky-fleet-to-have-a-boost-with-new-programs>