

## **DRDO develops indigenous landing gear for UAV**

*The landing gear developed by a Defence Research and Development Organisation (DRDO) laboratory here has undergone low-speed and high-speed taxi trial in Chitradurga, Karnataka, it said*

An indigenously designed and developed landing gear for the Unmanned Aerial Vehicle (UAV)-Rustom II has been successfully tested today, a Defence statement said.

The landing gear developed by a Defence Research and Development Organisation (DRDO) laboratory here has undergone low-speed and high-speed taxi trial in Chitradurga, Karnataka, it said.

The maiden flight of Rustom II with the indigenously developed gear was successfully carried out. "The Combat Vehicles Research and Development Establishment (CVRDE), the main laboratory of DRDO, has designed and developed the gear," the statement said.

Rustom II is a medium-altitude long-endurance UAV designed for carrying out surveillance for the armed forces. The CVRDE is involved in the development of armoured fighter vehicles and tanks among others.

<https://www.moneycontrol.com/news/india/drdo-develops-indigenous-landing-gear-for-uav-2799181.html>



## **India a step closer to BMD shield, tests supersonic interceptor to shoot down enemy missiles**

*DRDO test fires an interceptor missile capable of killing incoming enemy missiles  
in endo atmospheric region from Odisha coast*

Bhubaneswar: India on Thursday took a major step towards an indigenous ballistic missile defence (BMD) shield by successfully testing the endo-atmospheric Advanced Air Defence (AAD) interceptor missile in a multi-target scenario off the Odisha coast. The single stage solid rocket-propelled interceptor missile hit an incoming dummy 'enemy' missile at an altitude of 40 kilometres signalling that the test was a success.

This was the fifth test of the interceptor. The first four test firings took place on March 1, 2017, February 11, 2017, December 28, 2017 and July 14, 2018 respectively.

India is building a two-layered BMD shield, which will be capable of shooting down enemy missiles at a height of 20 to 40 kilometres after they re-enter the atmosphere.

Only the United States of America, Russia and Israel have been able to develop and deploy an indigenous BMD shield.

The target missile-- a Prithvi missile-- was launched from launch complex 3 of the Integrated Test Range (ITR) at Chandipur near here.

After getting signals by tracking radars, the interceptor AAD missile, positioned at Abdul Kalam Island --previously known as Wheeler Island -- in the Bay of Bengal, roared through its trajectory to destroy the hostile target missile in mid-air in an endo-atmospheric altitude, defence sources said.

The interceptor is a 7.5-meter long single stage solid rocket propelled guided missile equipped with a navigation system, a hi-tech computer and an electro-mechanical activator, the sources said.

The state-of-the-art interceptor missile has its own mobile launcher, secure data link for interception, independent tracking and homing capabilities and sophisticated radars.

<http://zeenews.india.com/india/drdo-test-fires-missile-capable-of-killing-enemy-missiles-from-odisha-coast-2129698.html>

## THE ASIAN AGE

Fri, 03 Aug 2018

# India successfully test-fires supersonic interceptor missile

By AKSHAYA KUMAR SAHOO

*The DRDO termed the test a “brilliant” mission and a “success”.*

**Balasore:** The Defence Research and Development Organisation (DRDO) on Thursday successfully test-fired an Advanced Area Defence (AAD) supersonic interceptor missile from a defence test facility on Kalam Island, off Odisha coast. The interceptor was engaged against a target missile, a modified version of Prithvi-II, launched from a launching complex of the Integrated Test Range (ITR) at Chandipur in Balasore, about 70 km from the Kalam Island.

The interceptor positioned at Abdul Kalam Island very effectively destroyed the incoming hostile missile mid-air, in a low altitude (endo-atmospheric) at less than 30 km, a DRDO source said. The DRDO termed the test a “brilliant” mission and a “success”. The home-grown high-speed weapon system can eliminate incoming enemy ballistic missiles at an altitude of 30 km.

The test comes just five days after the DRDO launched a quick reaction surface-to-air missile (QRSAM) from the defence base. The AAD interceptor missile was successfully test fired for the first time from the Launching Complex-III of the ITR at Chandipur in 2006. The DRDO had also successfully carried out its last test on May 2016.

## The Tribune

VOICE OF THE PEOPLE

Fri, 03 Aug 2018

# India successfully test-fires supersonic interceptor missile

India on Thursday successfully test-fired an indigenously-developed supersonic interceptor missile from a test range off the Odisha coast to validate “some improved features”, defence

sources said. The state-of-the-art missile was test-fired from a canister at 11.24 am engaging a simulated target at low altitude, the sources said.

The interceptor, an advanced air defence missile which is yet to get a formal name, was positioned at launchpad-4 of the Integrated Test Range on Dr Abdul Kalam Island and roared on its trajectory to hit the target mid-air on sea surface, the sources said.

Developed as part of efforts to have a multi-layer ballistic missile defence system, it is capable of destroying incoming hostile ballistic missiles, they said. "While the missile's major health parameters, including its 'kill' effect, have already been validated in earlier tests, the current test was to validate some improved features incorporated in the system," they said. The interceptor is a 7.5-metre-long single-stage solid rocket propelled-guided missile equipped with a navigation system, a hi-tech computer and an electro-mechanical activator. The interceptor missile had its own mobile launcher, secure data link for interception, independent tracking and homing capabilities and sophisticated radars, the sources added.



*Fri, 03 Aug 2018*

## **Another success for naval LCA**

A naval prototype of the indigenous Light Combat Aircraft Tejas has for the first time successfully landed on the Shore Based Test Facility (SBTF) in Goa on Thursday. After a series of such trials, the Naval LCA is expected to begin touch and go landings on the Navy's sole carrier INS Vikramaditya by year-end.



*Fri, 03 Aug 2018*

## **India joins select club of deck landing of jets**

India has joined the select club of countries like US, Europe, Russia and China having the capability of Deck landing of fighter aircraft. According to HAL statement issued in Bengaluru on Thursday the LCA Naval Prototype 2 (NP2), piloted by Capt Shivnath Dahiya safely executed the first contact of the arrestor hook system with Arresting wire at moderate taxi-in speeds on location at the Shore Based Test Facility, on board INS Hansa at Goa.

This is the first of a series of engagement planned at proving the arrestor hook capability says Mr. T. Suvarna Raju, CMD-HAL.

The HAL's design wing, Aircraft Research and Design Centre (ARDC) has designed and developed the Arrestor Hook System (AHS) for Ship Deck operations of LCA Naval version. The LCA Naval Prototype 2 (NP2), has been integrated with this AHS. Having verified in-air operation of Arrestor Hook System in Bengaluru on July 23, 2018, the aircraft has been operating at INS Hansa Goa, since July 28.

Carrier Compatibility trials (CCT) of Naval Aircraft are slated to be carried out at shore based test facilities, built at Indian Naval Base Goa. The CCT involves completion of extensive shore based trials before embarking on actual deck. This trial is the stepping stone towards completion of CCT trials of LCA Navy.

# नवभारत टाइम्स

Fri, 03 Aug 2018



## हवा में सटीक निशाना लगाया मिसाइल ने

■ भापा, बालेश्वर : भारत ने गुरुवार दोपहर को सुपरसोनिक इंटरसेप्टर मिसाइल का सफल परीक्षण किया। रक्षा सूत्रों ने कहा कि इस मिसाइल में कुछ बेहतर सुविधाएं जोड़ी गई हैं उनकी जांच के लिए यह परीक्षण किया गया।

अत्याधुनिक मिसाइल को सुबह 11 बजकर 24 मिनट पर प्रॉजेक्ट किया गया। इसे कम ऊंचाई वाले एक लक्ष्य पर निशाना साधना था। सूत्रों ने कहा कि इंटरसेप्टर, एक उन्नत वायु रक्षा मिसाइल है जिसे अभी कोई औपचारिक नाम नहीं दिया गया है। मिसाइल को डॉ. अब्दुल कलाम द्वीप के एकीकृत परीक्षण रेंज पर स्थित लॉन्चपैड संख्या-4 पर लगाया गया और यह समुद्र की सतह पर हवा में स्थित अपने लक्ष्य पर निशाना साधने के लिये बढ़ गई। बहुस्तरीय बैलिस्टिक मिसाइल रक्षा प्रणाली विकसित करने के प्रयासों के तहत विकसित यह मिसाइल दुश्मन की तरफ से आने वाली बैलिस्टिक मिसाइलों को नष्ट करने में सक्षम है। पूर्व परीक्षणों में मिसाइल की मारक क्षमता समेत दूसरे मानकों की पुष्टि हो चुकी है और गुरुवार को इसका परीक्षण इसमें जोड़ी गई प्रणाली में किये गए।

# पंजाब केसरी

Fri, 03 Aug 2018

## सुपरसोनिक इंटरसेप्टर मिसाइल का सफल परीक्षण

बालेश्वर, (एजेंसी): भारत ने आज ओडिशा तट पर स्थित परीक्षण रेंज से स्वदेश में विकसित सुपरसोनिक इंटरसेप्टर मिसाइल का सफल परीक्षण किया। रक्षा सूत्रों ने कहा कि इसका मकसद इसमें जोड़ी गई "कुछ बेहतर सुविधाओं" की पुष्टि करना था। अत्याधुनिक मिसाइल को सुबह 11 बजकर 24 मिनट पर प्रक्षेपित किया गया जिसे कम ऊंचाई वाले एक अभिरूपित लक्ष्य पर निशाना साधना था। सूत्रों ने कहा कि इंटरसेप्टर, एक उन्नत वायु रक्षा मिसाइल है जिसे अभी कोई औपचारिक नाम नहीं दिया गया है।

