

BDL receives Rs 200 cr worth order from DRDO for Medium Range Surface to Air Missile

Hyderabad: Bharat Dynamics Limited (BDL), a Defence PSU Wednesday said it received order worth Rs 200 crore from Stateowned Defence Research and Development Organisation (DRDO) for supply of Medium Range Surface to Air Missile (MR SAM) rear section. In a press release, BDL said MRSAM is a joint development project between DRDO and Israel Aerospace Industries, Israel with BDL as the Nominated Production Agency. BDL shares closed at Rs 279 apiece up 3.70 per cent over previous close on BSE while the benchmark Sensex closed at 34760.89 up 1.35 per cent.

<https://economictimes.indiatimes.com/news/defence/bdl-receives-rs-200-cr-worth-order-from-drdo-for-medium-range-surface-to-air-missile/articleshow/66152585.cms>



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DRDO indigenously develops 'Glide bombs' for bigger ranges

Hyderabad, Oct 9 (UNI) India has moved closer to self-dependence in precision-guided 'smart glide bombs' as it conducted covert trials of these bombs successfully at Pokharan firing range in Jaisalmer on August 17 last month (Friday). Christened as 'Garuthmaa' and 'Garudaa', the 'glide bombs' are being indigenously developed by the Defence Research and Development Organisation (DRDO). Of these two drop trails, the test of Garudaa, the non-winged glide-bomb, was carried out to evaluate its precision for a range of 30 kilometres on Thursday while in another set of drop trails on Friday, both Garudaa and 'Garuthmaa' were successfully tested from a Su-30 MKI aircraft, a DRDO official said in a newsletter released recently by the Aeronautical Society of India (AESI, Hyderabad branch) at a meeting here.

Garuthmaa, the 1,000 kg winged smart glide bomb, was tested for its maximum 100-km range, Top DRDO officials termed the tests as a 'major success'. Sources in DRDO said that guided by on-board navigation systems, Garuthmaa was tested for its first phase of trials in Thar Desert for assessing its accuracy in hitting a target after gliding for 100 kilometres. "The bomb was dropped from a Su-30 MKI aircraft for which we got full support from the Pune airbase.

The IAF has been involved in development and related trials of this 'smart bomb' from the beginning", said an official, adding that non-winged Garudaa was tested for 30-km range and would be tested for bigger ranges (up to 100 Km) in future. "Garudaa", the non-winged version of this guided bomb with a range of 30 kilometres was tested initially three years back. DRDO officials shared that contrary to the conventional 'dumb bombs' which take a free flight after being dropped, guided bombs like 'Guruthmaa' have winglets and on-board navigation and guidance systems enabling these to hit the target with precision after being dropped from varying heights. Both 'Garuthamaa' and 'Garudaa' are a brainchild of various laboratories of DRDO including Research Centre Imarat in Hyderabad, Defence Avionics Research Establishment (DARE) in Bengaluru, Terminal Ballistics Research laboratory (TBRL) in Chandigarh, Armaments Research and Development Establishment (ARDE) in Pune.

<http://www.uniindia.com/drdo-indigenously-develops-glide-bombs-for-bigger-ranges/states/news/1374340.html>

DRDO's Remotely Operated Vehicle inducted in Pune police

A Remotely Operated Vehicle (ROV), designed and developed by the Defence Research and Development Organisation (DRDO), has been inducted into the Pune police on an experimental basis to help in detection and disposal of bombs, a senior official said Tuesday.

The vehicle, 'Daksh', will be with the city police for the next six months and it will be used by the Bomb Detection and Disposal Squad (BDDS), Police Commissioner K Venkatesham said.

"The robot will be with the Pune police for six months but if there is a need, we will think of procuring it for the police force in future," he added.

Daksh has been developed at the DRDO's Research and Development Establishment (Engineers), Pune.

The vehicle is capable of climbing stairs as well as negotiating cross-country terrain and has an onboard shotgun for blasting through door locks and breaking the windshield to handle likely car bombs.

https://www.business-standard.com/article/pti-stories/drdo-s-remotely-operated-vehicle-inducted-in-pune-police-118100901248_1.html



DRDO test-fires quick reaction missile off Odisha coast

The test was aimed at validating various parameters, including propulsion performance of the weapon system and its killing capability

Bhubaneswar: The Defence Research and Development Organisation (DRDO) test-fired short range Quick Reaction Surface to Air Missile (QRSAM) from a test facility off Odisha coast.

Sources said the sleek and highly mobile air defence system was fired from a canister mounted on a rotatable truck-based launch unit from Integrated Test Range (ITR) on Monday.

"The test was aimed at validating various parameters, including propulsion performance of the weapon system and its killing capability. Data generated during the test are being analysed," said a defence official.

The missile, which can destroy multiple targets at a distance of 15 km, will supplement the medium range surface-to-air missile Akash capable of hitting targets 30 km away. Radars, electro optical systems, telemetry systems and other tracking stations have tracked the trajectory of the weapon and monitored all the parameters.

The state-of-the-art missile developed by the Defence Research and Development Laboratory (DRDL) can be used as an anti-sea skimmer from a ship against low flying attacking missiles. It employs dual thrust propulsion stage using high-energy solid propellant. Its electronic counter measures helps to outsmart aircraft jammers.

"As the missile has multi-role capability and can attain high frequency with maneuverability, it will provide considerable advantage to the Armed Forces. With cent per

cent kill probability it can destroy aerial targets like fighter jets, cruise missiles and air-to-surface missiles as well as short range ballistic missiles,” the official added.

The missile, which is yet to get a formal name, is a new development of DRDO. It has to undergo several rounds of experimental trials before being inducted in the Armed Forces.

<http://www.newindianexpress.com/states/odisha/2018/oct/10/drdo-testfires-quick-reaction-missile-off-odisha-coast-1883553.html>



Wed, 10 Oct 2018

Russia concerned by BrahMos missile data leak by DRDO Scientist to Pakistan

Highly classified data of BrahMos Cruise Missile leaked by DRDO Scientist has evoked concerns in Russia. The arrest of Nishant Agarwal, a Defence Research and Development Organisation (DRDO) employee is suspected of passing highly sensitive information about the nuclear-capable BrahMos Cruise missile to Pakistan

Emphasizing that they did not have enough understanding about what exactly had been leaked, sources said Russia was fully confident in India’s ability to protect classified information, but “obviously such incidents should be of concern to both nations.”

Russia would be more than willing to augment security for such material, “only if required or requested by the Indian side,” said one source, reiterating that this incident would in no way undermine the relationship between the two nations.

“The fact that the employee was apprehended is a sign of the robustness of the Indian security system, and this incident will have no impact on our strategic cooperation, said another source.

Termed as the world’s fastest cruise missile, the BrahMos medium-range supersonic cruise missile was developed as part of a joint venture between the Russian Federation’s NPO Mashinostroyeniya and India’s DRDO.

Earlier, Russian developed Sukhoi-30MKI fighter jet successfully launched a variant of the BrahMos missile from the air, completing India’s nuclear Triad, or the ability to launch a nuclear missile from the sea, air or land. Though there have been attempts to diversify sources, however, Russian weapons continue to be the backbone of India’s military.

<https://eurasianimes.com/russia-concerned-brahmos-missile-data-leak-drdo-scientist-pakistan/>