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India successfully develops next-gen software-defined Naval Radios

The Defense Research and Development Organization (DRDO) has claimed that the state-of-the-art ship borne software-defined radios are similar to those made by Rhode and Schwarz of Germany, Thales of France and Harris of the US

New Delhi (Sputnik): India's Defence Research and Development Organisation (DRDO) has developed a next-gen military radio communication system for the country's naval forces. The system is expected to assist in the networking of naval battlefield resources on the move and enhance the operational capabilities of the Indian Navy.

The DRDO, after spending eight years on the Integrated Development of Software-Defined Radio for Navy (INDESDR) project, has successfully completed user trials for five different software-defined radios capable of addressing the needs of the Indian Navy, including surface ships, specific air platforms (Dornier) and marines.

"These SDRs would replace existing single-purpose hardware-based communication systems used by the Navy through multi-band, multi-function, multi-role/mission radios, having capabilities for software-based re-configurability. These SDRs are able to inter-operate with all legacy naval tactical radios and have integrated mission specific waveforms. The most complex and critical waveform is Mobile ad hoc Networking (MANET), which has built-in Electronic Counter-Countermeasures capability," a DRDO document reads.

Last November, India's Defence Acquisition Council had approved the procurement of more than 260 SDRs for the Navy at a cost of more than $75 million. State-owned Bharat Electronics Ltd will produce this equipment at the mass level for the armed forces. After induction, the Indian Navy would be able to carry out net-centric operations confidently using these indigenous state-of-the-art radios.

DRDO is now mulling the development of next-generation radio technology for fighter aircraft, land systems and for special operations for internal security purposes.

https://sputniknews.com/military/201808031066923665-india-develops-advanced-radios-navy/

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CVRDE involved in development of armored fighter vehicles & tanks

Chennai sources added that a defense statement said an indigenous designed and developed landing gear for the Unmanned Aerial Vehicle (UAV)-Rustom II has been successfully tested on Thursday. Meanwhile the landing gear developed by a Defense Research and Development Organization (DRDO) laboratory here has undergone low speed and high speed taxi trial in Chitradurga, Karnataka.

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

Furthermore as per report Rustom II is a medium altitude long endurance UAV designed for carrying out surveillance for the armed forces and the CVRDE is involved in the development of armored fighter vehicles and tanks among others.
https://www.apherald.com/Politics/ViewArticle/315748/CVRDE-involved-in-development-of-armored-fighter-vehicles--tanks-/