

Sat, 19 Nov, 2016

(Online)

Four Indigenous Naval Systems by DRDO inducted into Indian Navy

Defence Minister Manohar Parrikar on Thursday handed over four Naval Systems developed by DRDO to the Indian Navy at a special ceremony in the capital.

The four indigenously developed naval systems viz. ABHAY, HUMSA UG, NACS and AIDSS which will boost underwater surveillance capability of the Indian Navy, were formally handed over to the Chief of Naval Staff Admiral Sunil Lanba by the Minister.

Speaking on the occasion, Parrikar complimented the DRDO and the Navy for their successful joint venture in developing several naval systems, which will provide a fillip to the quest for self-reliance in this critical area of technology. "I expect much more synergy between the Armed Forces and DRDO in the days to come", he said. Parrikar expressed his appreciation to DRDO for its achievements in the last two years particularly in the induction of LCA Tejas, Varunastra Torpedo, Pinaka multi-barrel rocket launcher, Rustom – II UAV and several missile programmes.

"Skill development is one of the most important aspects of nation building because unless we have certified skilled manpower, projects like 'Make in India' would not succeed," the minister said and expressed happiness that the Indian Navy has taken the lead by imparting training to a large contingent of retiring naval personnel and giving them certificates.

He said that the only way to make the nation's large pool of youth and manpower suitable for the emerging industry and business opportunities is by skilling them to take up specialized jobs.

The four naval systems, ABHAY – Compact Hull Mounted SONAR for Shallow Water Crafts, HUMSA UG – Upgrade for the HUMSA SONAR System, NACS – Near-field Acoustic Characterisation System, and AIDSS – Advanced Indigenous Distress SONAR System for submarines have been designed and developed by National Physical and Oceanographic Laboratory (NPOL), a Kochi based laboratory of DRDO.

ABHAY is an advanced Active-cum-Passive integrated SONAR system designed and developed for the smaller platforms such as shallow water crafts and coastal surveillance/patrol vessels. HUMSA-UG has been designed for upgrading the existing HUMSA SONAR system of the Indian Naval platforms.

NACS determines the in-situ performance of the SONAR systems which are used to find the frequency-dependent 3-D transmission and reception characteristics of the SONAR. It is also used to measure the magnitude and phase characteristics of the SONAR transmission and reception electronics and the transducers.

AIDSS, a distress SONAR is an Emergency Sound Signalling Device which is used to indicate that a submarine is in distress and enable quick rescue and salvage.

Addressing the gathering, the Minister of State for Skill Development and Entrepreneurship Rajiv Pratap Rudy said skill initiative programme is the brainchild of the Prime Minister Narendra Modi. He said the credit of pulling along the skill ecosystem in the Indian Armed Forces should go to the Defence Minister. Rudy said the Defence Minister is not only involved in the skilling process technically but also socially as he has created a new pathway about the programme in the Armed Forces. Chief of the Naval Staff Admiral Sunil Lanba and Secretary Department of Defence (R&D) & Chairman, DRDO Dr. S Christopher also addressed the function.

देश में बनी सोनार प्रणालियां नौसेना के बेड़े में शामिल

जनसत्ता ब्यूरो

नई दिल्ली, 18 नवंबर।

नौसेना ने देश में बने चार सोनार प्रणालियों को शुक्रवार को औपचारिक तौर पर अपने बेड़े में शामिल कर लिया, जिससे जल के भीतर उसकी निगरानी क्षमता बढ़ेगी। इसमें अभय, हमसा सोनार प्रणाली के उन्नत रूप हमसा यूजी, एनएसीएस (नियर फील्ड अकॉस्टिक कैरेक्टराइजेशन सिस्टम) और पनडुब्बियों के लिए एआइडीएसएस

(एडवांस्ड इंडिजिनस डिस्ट्रेस सोनार सिस्टम) को शामिल किया गया है। नौसेना को सोनार समर्पित करते हुए रक्षा मंत्री मनोहर पर्रीकर ने उसके साथ-साथ डीआरडीओ की सराहना की और कहा कि वह आने वाले दिनों में और तालमेल की उम्मीद करते हैं। इन प्रणालियों को डीआरडीओ की कोच्चि स्थित प्रयोगशाला एनपीओएल में डिजाइन और विकसित किया गया है।

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Sat, 19 Nov, 2016

Navy inducts 4 types of sonars for surveillance

New Delhi: The Navy on Friday formally inducted four types of indigenously developed sonars that will boost its underwater surveillance capability.

The systems included Abhay — compact hull mounted sonar for shallow water crafts, Humsa UG — upgrade for the Humsa sonar system, NACS — Nearfield Acoustic Characterisation System, and AIDSS — Advanced Indigenous Distress sonar system for submarines.

Defence minister Manohar Parrikar, who handed over the sonars to the navy, praised the force along with DRDO, and said he expects more synergy in the coming days. The systems have been designed and developed by NPOL, a Kochi-based laboratory of DRDO. With the induction of these four systems, the underwater surveillance capability of the Indian Navy will get a boost, besides providing a fillip to the quest for self-reliance in this critical area of technology. Abhay is an advanced activecum-passive integrated sonar system designed and developed for the smaller platforms such as shallow water crafts and coastal surveillance/patrol vessels. It is capable of detecting, localising, classifying and tracking sub-surface and surface targets in both its active and passive modes of operation.