

Commissioning of INS Karanj, the third Indian Kalvari-class submarine entirely made in India based on Scorpene® design

On 10 March 2021, INS Karanj, the third of the P75 Kalvari-class submarine, was commissioned by the hands of former Chief of Naval Staff Admiral V S Shekhawat, PVSM, AVSM, VrC (Retd.), in presence of Chief of Naval Staff Admiral Karambir Singh, FOC-in-C (West) VAdm R Hari Kumar, CWP&A VAdm Sandeep Naithani, CMD MDL VAdm Narayan Prasad (Retd.) and several other dignitaries.

INS Karanj is totally built by Indian shipyard Mazagon Dock Shipbuilders Limited (MDL) based on the French Scorpene® design.

After a series of remarkable events amidst challenging sanitary situation around the world, such including the launching of the Vagir (the fifth submarine) in November 2020, the INS Karanj's commissioning took place on 10 March 2021.

The event highlights the success of indigenous submarines construction programme of the Government of India. This submarine has been completely built by Mazagon Dock Shipbuilders Limited (MDL) with limited external support, taking advantage of the successful technology transfer from Naval Group during the construction and trials of the first two boats. This series of six submarines have been fitted with a number of equipment, built in India by qualified and highly trained industrial Micro, Small & Medium Enterprises (MSMEs) which form the sound base of submarine building ecosystem of India.

"Naval Group is very proud to be part of first of its kind P75 Kalvari program to deliver entirely "Made in India" submarines to the Indian Navy. This program is a major element of the strategic autonomy enjoyed by the Indo-French partnership and strategic autonomy, developed over the last decades. The commissioning of INS Karanj, amidst Covid-19 challenges, represents one of its kind industrial milestones and illustrates the Aatmanirbharta (self-reliance) of Indian Navy and naval defence industry. I look forward to establishing greater and more meaningful partnerships with Indian industry that will help in sustainability of our global supply chain and industrial footprint, while allowing us to be part of success story of Indian economy, community", mentioned Pierre-Eric Pommellet, CEO & Chairman of Naval Group.

The rise in competencies that Indian industry and shipyard achieved during the past decade is very inspiring. This precious and high-value expertise and skillsets built around the program needs to be preserved, nurtured and improved with on-going/ future contracts so that Indian naval defence industry can seamlessly cater to military products of similar or advanced nature for India and also for the world.

The SCORPENE®, a modern, high-performant, and stealthy submarine

The Scorpene® is a 2000 tons conventional-propulsion submarine designed and developed by Naval Group for all types of mission, such as surface vessel warfare, anti-submarine warfare, long-range strikes, special operations or intelligence gathering. Extremely stealthy and fast, it has a level of operating automation that allows a limited number of crew, which reduces its operating costs significantly. Its combat edge is highlighted by the fact that it has 6 weapon launching tubes, 18 weapons (torpedoes, missiles, mines).

With 14 submarines sold internationally by Naval Group, the Scorpene® is an essential reference product in the area of conventional attack submarines (SSK) for Navies across the globe. The product is easily adapted for improvements requested by any naval customers. The progressive improvement through dedicated and experienced designers of Naval Group ensures this seamless advances and modern technology integrations.

Videos and photos available for download on: www.salledepresse.com

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About Naval Group

Naval Group is the European leader in naval defence. Naval Group uses its extraordinary know-how, unique industrial resources and capacity to arrange innovative strategic partnerships to meet its customers' requirements. As a system-integrator and prime contractor, the group designs, produces and supports submarines and surface ships. It also supplies services to shipyards and naval bases. Attentive to corporate social responsibility, Naval Group adheres to the United Nations Global Compact. The group reports revenues of 3.3 billion euros and has a

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About Naval Group India

Naval Group India is a 100 % owned subsidiary of Naval Group, which is headquartered in Paris, France. Established in September 2008 as DCNS India, it has its presence felt in 2 major cities: Mumbai and New Delhi. The main purpose of Naval Group India would be to support the Indigenisation through 'Make in India' activities for Scorpene® submarine equipment, to develop the Indian defence eco-system, as well as to develop design services in India with talented Indian engineers. The endeavour of Naval Group India is to be a visionary and to further its involvement

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