

## 'Second, Third Scorpene-Class Submarines Undergoing Sea Trials': Vice Admiral

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New Delhi: The second and third of the six Scorpene-class submarines, part of Project-75 of the Indian Navy, are undergoing sea trials while the rest are under construction, a senior naval officer today said.

Interacting with reporters during an event at Kota House in Delhi, Commandant of National Defence College Vice Admiral Srikant also said the air independent propulsion (AIP) indigenous system for submarines, on which the DRDO is working, will go for marine testing.

He was speaking at the launch of a teaser of 'Breaking Point: Indian Submariners', a four-part series which will air on the Discovery Channel on March 19.

"The second and third of the six Scorpene-class submarines are undergoing sea trials while the fourth, fifth and the sixth are under construction. We want to focus on first getting all these submarines commissioned, before going in for more submarines," Vice Admiral Srikant said.

Prime Minister Narendra Modi had on December 14 commissioned INS Kalvari, the first Scorpene-class submarine, into the Navy in Mumbai, and described it as an excellent example of 'Make in India' that will boost the Navy's might.

INS Kalvari is a diesel-electric attack submarine that has been built for the Indian Navy by Mazagon Dock Shipbuilders Ltd. Kalvari is named after the dreaded tiger shark, a deadly deep sea predator of the Indian Ocean. The submarine had undergone around 120 days of extensive sea trials and tests of various equipment.

The submarines, designed by French naval defence and energy company DCNS, are being built by Mazagon Dock Ltd in Mumbai as part of Project-75 of the Indian Navy.

The first Kalvari, commissioned on December 8, 1967, was also the first submarine of the Indian Navy. It was decommissioned on May 31, 1996 after nearly three decades of service.

To a question on the accident suffered by INS Chakra, Indian Navy's only nuclear-powered submarine, he said, "85 per cent of the reports on it was incorrect."

INS Chakra is a nuclear-powered submarine which was taken by India on lease from Russia in 2012 for a period of 10 years.

<https://www.ndtv.com/india-news/second-third-scorpene-class-submarines-undergoing-sea-trials-vice-admiral-1824944>



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<https://www.news18.com/news/india/second-third-scorpene-class-submarines-undergoing-sea-trials-1692017.html>

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*Sat, 17 Mar, 2018*

## **DRDO scientist Prakash Chand Jain conferred Homi Bhabha Memorial Award**

Prakash Chand Jain received the award at the 105th Indian Science Congress, particularly for his achievements in the field of aerospace engineering.

Science and Technology Minister Harsh Vardhan on Saturday conferred the Homi J Bhabha Memorial Award on Defence Research and Development Organisation scientist Prakash Chand Jain. The award was presented at the 105th Indian Science Congress in recognition of Jain's scientific contributions, particularly in the field of aerospace engineering.

"I feel overwhelmed and humbled on recognition of my contributions at the highest level towards advancement of science and technology," Jain said on receiving the award. "This award is expectations put forth by the peers for me to deliver back to society. This award further adds to my sense of responsibility and commitment to the nation."



*DRDO scientist Prakash Chand Jain (right)*

A press release by the Indian Science Congress Association said Jain is an alumnus of the Indian Institute of Technology, Bombay and the Indian Institute of Technology, Roorkee. He has been a fellow from the George Washington University in the United States and was elected Associate Fellow of the American Institute of Aeronautics and Astronautics in 2018.

<https://scroll.in/latest/872402/drdo-scientist-prakash-chand-jain-conferred-homi-bhabha-memorial-award>

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## Nutrition ties with DRDO

Ranchi: To fight diseases caused by acute malnutrition, the state government has roped in Defence Research and Development Organisation's Defence Food Research Laboratory (DFRL) and Central Food Technological Research Institute (CFTRI) to provide ready-to-eat food through anganwadis.

The project will be executed through sakhi mandals (women's self-help groups) across the state, which in turn will also generate employment, for rural women in particular.

Chief minister Raghubar Das on Friday held a meeting with food research lab director Anil Kumar Sinha, scientist K.R. Anil Kumar and senior functionaries of CFTRI to work out action plans to address the issue.

Das was accompanied by chief secretary Sudhir Tripathi, additional chief secretary (finance) Sukhdev Singh, rural development principal secretary Avinash Kumar, industry secretary Sunil Kumar Barnwal, social welfare secretary Vinay Kumar Choube and state's nutrition mission director general D.K. Saxena.

After detailed deliberations, the chief minister asked the DFRL representatives to provide equipment and training to the sakhi mandals.

Initially, 12 food processing machines will be installed across the state - one machine for two districts.

The machines will be handled by the sakhi mandals, who will also be responsible for transporting the packaged food to anganwadis. Some of the women will also be trained to become master trainers to mentor other women.

To smoothly run these food processing units - with jobs ranging from installation of machines to transportation of packaged food - the sakhi mandals will be provided loans under Mudra Loan and Start-up India projects.

Das said that since most of the malnutrition-triggered diseases were mainly caused by deficiency of protein, iron and fat, these factors should adequately be taken care of while preparing the ready-to-eat food.

"For example, children like chocolates. We must make chocolates that can neutralise protein deficiency in their bodies," he stated later in a news release.

The chief minister went on to say that since tomato, tamarind, peas and beans were abundantly grown in Jharkhand, his government would take initiatives to bring these to the food processing centres for production of sauces, jams and other products that would then be sold in the local market.

"A healthy future generation is our primary objective. Money will never be a constraint to make our children healthy and sisters and daughters financially self-sufficient. Let us complete the necessary formalities at the earliest so that work can start in the new fiscal beginning on April 1," Das added.

<https://www.telegraphindia.com/states/jharkhand/nutrition-ties-with-drdo-216203>