



4th Nuclear-Powered Ballistic Missile Submarine

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Recently, India launched its **4th nuclear-powered ballistic missile submarine** at the Ship Building Center (SBC) in Visakhapatnam.

- It has about **75% indigenous content** and is equipped with **Kalam-4 nuclear ballistic missiles** with a range of **3,500 km**, launched via **vertical systems**.
- The other three nuclear-powered ballistic missile submarines are **INS Arihant, INS Arighaat and INS Aridhaman**.
 - A nuclear-powered attack submarine of the **Russian Akula class** is set to join the force on lease in 2028.
 - **INS Chakra**, an Akula class vessel, was taken on lease from **Russia in 2012**.
- The government plans the construction of **three more advanced diesel attack submarines** at Mazagon Dockyards in collaboration with the **French Naval Group**.
- A nuclear submarine uses a **nuclear reactor for propulsion**, providing **unlimited range and endurance**. It is limited only by food supplies, crew fatigue, and maintenance.

Read More: [India's Submarine Strength](#)

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