

# INS ARIGHAT

Shuboudhay Updates

**INS Arighat** is an upgraded variant of the *Arihant*-class submarine. It is the second nuclear-powered ballistic missile submarine being built by India under the **Advanced Technology Vessel (ATV)** project to build nuclear submarines at the Ship Building Centre in Visakhapatnam. It has the code name S3.



**Nuclear-capable submarine-launched missiles**

- K-4 (in development)**  
Range: 3,500km
- K-15 Sagarika**  
Range: 750km

ARIHANT-CLASS SPECIFICATIONS	
Length	<b>111.6 mtr</b>
Displacement	<b>6,000 tonnes</b>
Crew	<b>95</b>
Surface speed	<b>15 knots (28km/h)</b>
Submerged speed	<b>24 knots (44km/h)</b>

**INS ARIGHAT:** Indian Navy's second indigenously-designed and built Arihant-class submarine

Six 533mm torpedo tubes

**Propulsion:** 80MW nuclear pressurised water reactor drives steam turbine

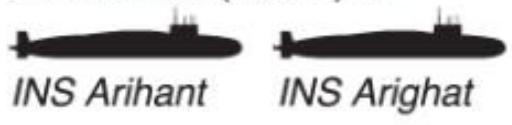
**Vertical launch tubes:** Can carry 12 K-15 (three per tube) or four K-4 missiles

Launched	19 November 2017
<b>Builder</b>	<b>Shipbuilding Centre (SBC), Visakhapatnam, India</b>
Type	: Ballistic missile submarine
Displacement	: 6,000 tonnes
Length	: 111.6 mtr
Beam	: 11 mtr
Draft	: 9.5 mtr
Installed power	: 1 x CLWR-B1 Compact Light-water reactor, 83 MW
Propulsion	: 1 x propeller shaft, nuclear propulsion
Speed Surfaced:	12–15 knots (22–28 km/h)
Submerged	: 24 knots (44 km/h)
Test depth	: 300 m (980 ft) to 400 m (1,300 ft)

Shuboudhay Updates

## INDIA'S SUBMARINE FLEET

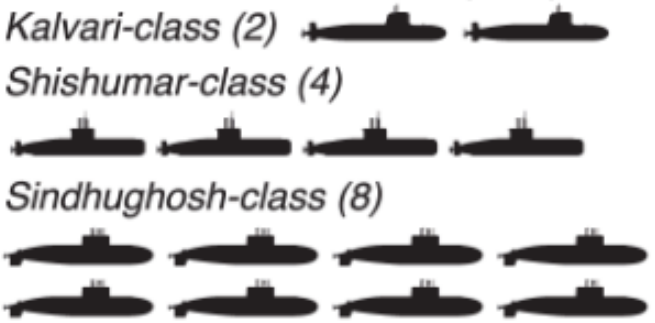
Nuclear-powered ballistic missile submarines (SSBN): 2



Nuclear attack submarine (SSN): 1

*INS Chakra*

## Diesel-electric submarines (SSK): 14



Shuboudhay Updates

## Indian Navy Submarines

Non-Nuclear Classes 2020

**Kalvari class (Scorpène, France)**

INS Kalvari

INS Khanderi

**Shishumar class (Type-209, Germany)**

INS Shishumar

INS Shankul

INS Shalki

INS Shankush

**Sindhughosh class (Kilo, Russia)**

INS Sindhuratna

INS Sindhuvijay

**Sindhughosh class (Kilo, Russia)**

INS Sindhukirti

INS Sindhurashtra

INS Sindhuhvaj

INS Sindhukesari

H I Sutton, 2020

