

## Advanced Technology Vessel (ATV)

*Last update: June 2011*

Displacement, metric tons	6,500-7,000 submerged, 6,000 surfaced
Dimensions, ft (m)	360.9 x 36.1 x 29.5 (110 x 11 x 9)
Main machinery	1 PWR; 80MW, 1 turbine; 47,000hp / 70MW
Speed, knots	15 surfaced, 24 submerged
Range, miles	unknown
Complement	100
Diving depth, ft (m)	984 (300)
Endurance	Unlimited (100 days)
Weapons	12 missiles (most likely the Sagarika SLBM), 6 torpedoes; six 21" (533mm) tubes, all of which can launch SLMCs

### Sources:

- [1] "Submarine and submersible designs, India," Jane's Underwater Warfare Systems, 14 August 2009.
- [2] "India: Military: Arihant- Advanced Technology Vessel," Global Security, [www.globalsecurity.org](http://www.globalsecurity.org).
- [3] "SSBN Arihant Class Submarine, India," Naval Technology, [www.naval-technology.com](http://www.naval-technology.com).

**Related content is available on the website for the Nuclear Threat Initiative, [www.nti.org](http://www.nti.org).**



This material is produced independently for NTI by the James Martin Center for Nonproliferation Studies at the Monterey Institute of International Studies and does not necessarily reflect the opinions of and has not been independently verified by NTI or its directors, officers, employees, or agents. Copyright © 2012 by MIIS.