

An Indian Navy diesel-electric submarine has been handed back to India following a major refit at Russia's Zvezdochka shipyard. The contract for the refit and modernization of the INS Sindhurakshak (S63), a Project 877 EKM (NATO Kilo-class) submarine was signed in June 2010.



Part of the refit involved installation of equipment for Klub-S (3M54E1 anti-ship and 3M14E land attack)

cruise missiles and over 10 Indian and foreign-made systems, including the Ushus hydro-acoustic (sonar) system and CSS-MK-2 radio communications system.

In addition, the boat's cooling system was modified, a "Porpoise" radio-locator fitted and other work carried out "increasing the boat's military capacity and safety".

The boat is due to set sail for Mumbai Jan 29 via the North Sea route off Britain. It will be accompanied by Russian ice-breakers. It will be the first time an Indian submarine has undertaken a handover in ice conditions.

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