

PRESS INFORMATION BUREAU (DEFENCE WING)
GOVERNMENT OF INDIA

INDIA DESIGNS ITS FIRST FRIGATE

A GIANT NEW STRIDE IN WAR-SHIP BUILDING

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The warship building industry of India will take a giant
tomorrow
new stride when Admiral Jal Cursetji, Chief of the Naval Staff,
will inaugurate the construction work of the first-ever Indian-
designed frigate at Mazagon Dock in Bombay.

Hitherto Mazagon Docks had been building frigates based on
the British Leander design.

The Indian design will have many special features not found
in the existing frigates of the Indian Navy.

The design work on the new class of frigate was started in
the Directorate General of Naval Design in 1974. The Mazagon Docks
made work designs on the basis of the drawings prepared by that
Directorate. In finalising the design, there has been wide
participation by several Defence Research & Development Establishments.
The Indian Institute of Technology, Delhi and Indian Institute of
Science, Bangalore, have also contributed to the process of designing.

The Indian designed ship will have 20 per cent more of
operational deck area than that in the Leander class frigate. It will
also accommodate 10 per cent more of crew. The ship will have
sophisticated electronics systems. It will be fully air-conditioned

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and its major control systems would be indigenous. Another unique feature will be complete pollution control whereby the waste of the ship will be treated on board when the ship lies at anchor in harbour. The ship will have improved operational capabilities.

The construction processes have involved close liaison with other ship building companies. Besides, the turbines and alternators will be made in India by Bharat Heavy Electricals, the auxiliaries by Hindustan Aeronautics and major electronic systems will be provided by Bharat Electronics. The start of the construction work on an Indian design follows close on the heels of the completion of the programme of building six Leander class frigates based on British design. Four of these- INS Nilgiri, INS Himgiri, INS Udaygiri and INS Dunagiri- have already been commissioned, while two more- INS Taragiri and INS Vindhyagiri- are to be commissioned soon.

PK/PM/Ahija

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