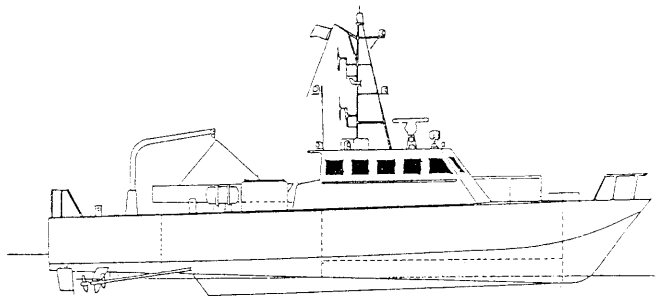


NEW SURVEY VESSEL OF H.D., JAPAN

A new 20-meter type survey vessel named 'HS21 HAMASHIO' was commissioned on 25 March 1991, and attached to the Hydrographic Department of 3rd Regional Maritime Safety Headquarters in Yokohama. She will be engaged in hydrographic surveys and tidal stream observations in and around coastal/port and harbour areas under the responsibility of the Headquarters.



Her principal particulars and survey equipment are:

Principal particulars

Displacement : 42 tons
Length : 21.0 meters
Breadth : 4.5 meters
Depth : 2.4 meters
Main engines : 450PS x 2
 115PS x 1
Speed : 15 knots
Cruising range : 200 M
Complement : 5

Survey equipment

Electronic positioning system
(DEL NORTE Trisponder)
4-beam echo sounder
Hydrographic data acquisition system
Self-recording current meter
Bottom sampler

FRP work boat with outboard motor

GROUP TRAINING NEWS

TRAINING COURSE IN OCEANOGRAPHIC DATA MANAGEMENT SPONSORED BY IOC

The 9th session of the WESTPAC training course on oceanographic data management sponsored by the IOC was conducted at the Japan Oceanographic Data Center, Hydrographic Department of Japan, for 2 weeks from 15 October 1990. The following three participants were nomi-

nated by IOC and accepted by the Hydrographic Department of Japan:

Mr. Widodo, Center for Oceanological Research & Development Indonesian Institute of Science, Indonesia