



MARINE FISHERIES INFORMATION SERVICE

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CENTRAL MARINE FISHERIES RESEARCH INSTITUTE
COCHIN, INDIA

INDIAN COUNCIL OF AGRICULTURAL RESEARCH

R.V. SKIPJACK COMMISSIONED

The first fishery research vessel built in India *R.V. Skipjack* has been commissioned and handed over to Central Marine Fisheries Research Institute. The vessel has been designed by AUKRA BRUK A/S, Norway and built at Garden Reach Shipbuilders & Engineers Limited, Calcutta. The vessel was taken over by the Institute at Calcutta.

R.V. Skipjack is a multipurpose steel vessel equipped for trawling, purse-seining, acoustic surveys, hydrography and marine biological work. The vessel is a Stern Trawler with LMC and of the Lloyds 100 A I class.

Dimensions and particulars

| | |
|------------------|----------|
| LOA | 32.6 m |
| LPP | 28.0 m |
| Beam | 7.4 m |
| Draught (Loaded) | 3.31 m |
| Depth (Mid) | 3.7 m |
| Speed (Trial) | 11 knots |
| Endurance | 15 days |

Main Engine

GRW/MAN R8V TLS Marine Diesel Engine 705 BHP at 1600 r.p.m. (DIN 6270 rating), Air starting. Controllable pitch propeller, 1850 mm diameter.

Diesel Generator

2 Nos. with Kirloskar Cummins Engines 192 HP and alternators Jyoti, 160 KVA, 230/415 Volts AC, 3 Phase.

Winches (Hydraulic)

Main winch: Trawl/Purse-seine 13 t hauling capacity-wire 1500 m (20 mm dia.) on each drum. Net winch: 6 t capacity with transport rollers. Topping winch: 1.5 t hoisting capacity. Guy winch : 1.5 t hoisting capacity. Cargo winch: 3 t capacity. Hydrographic winch: Auto-spooling with 4000 m 4 mm wire.

Refrigeration

Fish Hold Temperature 34°F (1°C)

Capacities

| | |
|--------------------------------|---------------------|
| Fish Hold | 115 m ³ |
| Fuel Tank | 78 m ³ |
| Lub. Oil | 2 t |
| Fresh Water | 12.5 m ³ |
| Fresh Water Generator Capacity | 1.5 t/day |

Navigational aids

Electrohydraulic Steering
Autopilot-Robertson
Radio Direction finder ADF 5 MK II
Log SAGEM type LHS
Radar Furuno FRS-48

Communication System

SSB Radio telephone SIMRAD PF 3
Intercom-Talk Back and Loud Hailer System (Philips)
S.P. Telephone (ITI)

Acoustic Instrumentation (SIMRAD)

EQ Echosounder 38 kHz
EX Echosounder 50 kHz
Sonar SQ-D 24 kHz
Echo Magnifer MC-100
Trawl eye FH

Laboratory

One laboratory on Main Deck
Operation of Hydrographic/Biological equipments from upper deck Leadsman platform.
Running fresh and sea water facility
Arrangements for live fish tanks on Main Deck

Accommodation

| | |
|------------------------|------------|
| Cabins | 7 |
| Baths | 2 |
| W-C | 2 |
| Ship's Officers & Crew | 15 persons |
| Scientists | 4 " |

The vessel has reached her operational base at Cochin in December 1982. Research cruises are scheduled to start from early January 1983.

