

New addition to CMFRI's fishing fleet

## CMFRI Research Vessel R.V. Cadalmin-I

### Background

The Central Marine Fisheries Research Institute (CMFRI) with its 3 regional, 7 research and 15 field centres spread along the Indian coast is involved in marine fisheries research operated through 10 divisions. The Institute was established by Government of India on Feb. 3<sup>rd</sup> 1947 under the Ministry of Agriculture and later became a part of the ICAR in 1971. During the course of 65 years glorious journey, the Institute has emerged as a global leader in tropical marine fisheries research. The Institute is involved in marine capture fisheries research and maintained several fishing and research vessels.



Since 1980, CMFRI operated 9 units of 'Cadalmin' series of 13.5 m research vessels. In 1982, another larger vessel *R.V. Skipjack* (32.6 m) was added to the fleet. These vessels plied from the base stations at different centres of the Institute. The vessel at Tuticorin (*Cadalmin IV*) is still functional and undergoing regular coastal cruises. In addition, DOD vessel *FORV Sagar Sampada* (71.5m) catered to the research requirements of CMFRI for a long time. In 2013, CMFRI procured a new vessel *F.V. Silver Pompano* (19.75m) for studying the climate change related aspects in marine fisheries/ oceanography research under the National Initiative on Climate Resilient Agriculture (NICRA). *R.V. Cadalmin-I* is the latest addition to the CMFRI vessel fleet.

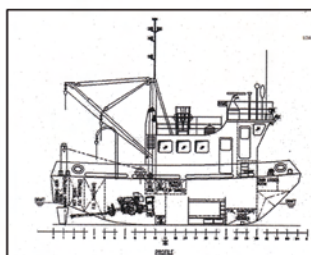


**Central Marine Fisheries Research Institute**  
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## Vessel particulars of R.V. Cadalmin-I

Length Over All	: 13.56 m
Breadth (max)	: 4.66 m
Depth	: 2.56 m
Draft	: 1.56 m
Gross tonnage	: 34 tonnes
Net tonnage	: 10 tonnes
Speed	: 8 knots
Endurance	: 8 days
Crew	: 5
Classification	: IRS Swasthika SUL "Fishing vessel" IY
Type of fishing	: Trawling



## Major facilities and equipments

### Navigation and Power

The vessel is fitted with a four stroke marine propulsion engine (Greaves Cotton- model TBD3V6) of 248 BHP working at 1800 RPM. The wheel house possess modern navigational instruments, alarms, gauges and indicators. A hydraulic trawl winch with capacity for 500 m long 8 mm diameter steel wire rope on each drum is provided. A derrick of 750 kg capacity and facilities for CTD operation are also available.

### Nautical, Communication and Fish finding equipments

The vessel possess Echo sounder- Fishing (Furno, FCV 587) Global Positioning System (Furno, GP 150). Automatic Identification System (Ray Marine AIS 950), VHF with radio installation (Ray Marine, Ray 49 E) and other essential navigational requirements.

### Life saving and Fire control appliances

All necessary life saving equipments including state of art lifebuoys with self-igniting lamp and life line, parachute distress signal and offshore first aid kit are provided onboard. Fire hydrants, fire hoses, fire extinguishers and other required accessories are also available.

### Research and fishing facilities

The vessel is well equipped for water, sediment and plankton sampling using Nansen reversing bottles, van Veen grab and Standard phyto / zooplankton nets. The vessel has also facilities for bottom trawling and analysis of biological samples onboard.

*For more information please contact:*

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