

# New Fishing Vessel *Silver Pompano* arrived

As part of the NICRA project, CMFRI has procured a 19.75 m research vessel *F.V. Silver Pompano* for carrying out climate related impact studies on Indian marine fisheries at a cost of Rs.4.75 crores. The vessel was constructed by Goa Shipyard Ltd and handed over to CMFRI on 24-7-2013 in the presence of Dr. B. Meenakumari, DDG (Fy.), Prof. Dr. K. A. Simon, Director, KMSME, Dr. T. K. Srinivasa Gopal, Director, CIFT, Dr. G. Syda Rao Director CMFRI and other dignitaries. NICRA is the network project initiated by ICAR for studying the vulnerability, impact and adaptation options for Indian agriculture to climate change. CMFRI is the lead institute conducting research related to climate change in marine fisheries sector of India.

## Major facilities and equipment

### Navigation and power

The vessel is fitted with a 4 stroke Volvo Penta make 500 hp @ 1800 rpm marine engine. The main deck of the vessel contains cabin for scientists and crew, wet laboratory, weather station, galley, mess room and toilet. The hydraulically operated trawl winch consist of 1000 m long, 12 mm diameter steel wire rope on each drum with a speed of 0 to 40m/minute which draws hydraulic power from main engine. A pair of hydraulically operated Conductivity, Temperature, and Depth (CTD) winch is provided on the port and starboard side for operation of CTD probe. Water samplers and other small equipment can be lowered through the port and starboard davits. A diesel generator is provided for operation of hydraulic equipment, navigation light, air conditioners, light and other supplies. A separate emergency generator is also provided

Life Saving Appliances and Fire Control Appliances All required Life Saving Appliances (LSA) (Life rafts, buoys with self-ignition light and life line and jackets) are installed. Fire control appliances like fire extinguishers and hoses are provided. Oceanographic and sampling equipment The vessel will be used for trawl fishing and collection of oceanographic parameters and marine samples from the sea. The vessel will be equipped with CTD sampler, current meter, automatic weather station, instruments for chlorophyll measurements, zooplankton net and sediment samplers. The vessel is equipped with a wet laboratory for preliminary analysis and to fix the samples for further analysis. A portable fish storage freezer of 400 litre capacity is installed for preserving the fish samples. Weather station includes space for Niskin water samples, CTD probe, Van veen grab and plankton nets.

*(Reported by P.U. Zacharia, Chairman Vessel Management Cell, CMFRI, Kochi)*



*F. V. Silver Pompano arrived*