



COASTAL OBSERVER AND LIFE SAFER



Since ancient time humans are interactive with water bodies such as river, lake, pond, Ocean for fishing, recreation, travel and for numerous needs. During emergency or accidental situation if the person falls in water, it is often difficult to locate and approach him for recovery. More than half of the persons who fall in water are not recovered alive, mainly due to the delay in rescue operation. The rescue operation is also greatly biased by the agility of the rescuer, harsh weather condition etc. The present way of using life buoy for rescue requires the ship/boat to be very close to the drowning person. The drowning person may be required to traverse towards the life buoy and if the person is non swimmer, then this could be even fatal. The patent filed apparatus (with patent application No: IN 201741046147), can be commercialised which could result in limitation of fatalities due to drowning victims.

“The need for life saver was conceived from the idea of moving life buoy”

The system has the following features for rescue of person in any water body like rapid approach towards drowning person; ability to perform rescue in harsh environmental condition; the life of rescuer is safe as he needs to operate the equipment only; ergonomic handling. Can be easily thrown from ship/boat (any orientation) or from beach for rescue; easily operable; operational range of 5 nautical miles; top speed of 8 knots and more than 5 hours of power autonomy.



This technology is developed by **National Institute of Ocean Technology**, Ministry of Earth Sciences, Govt. of India and seeks to stimulate the use of technology by commercialization under Make in India Initiative and **National Research Development Corporation** will facilitate for smooth transfer and licensing of the technology with affordable Licencing terms and conditions.

Any company or organization interested in the technical know-how and to get more details about the technology please refer the contact details below.

Contact Details:

Dr. Tata Sudhakar

Scientist – G & Head

NATIONAL INSTITUTE OF OCEAN TECHNOLOGY

Velacherry-Tambaram Main Road, Narayanapuram,

Pallikaranai, Chennai - 600 100, Tamil Nadu, INDIA.

Email: tata@niot.res.in; Mobile: 9444399844 Phone: 044 - 66783525