

National Centre for Coastal Research launched a buoy off the Cooum River and Marina beach to monitor seawater quality

The National Centre for Coastal Research (NCCR) an autonomous Institute under the Ministry of Earth Sciences, Government of India on 17 December 2019 launched a buoy off the Cooum river and Marina beach to monitor meteorological parameters such as humidity, wind speed, and solar radiation, and have sensors to check current speed, sea surface temperature, wave period, wave height and wave direction. Seven water quality sensors, including temperature, conductivity, pH, turbidity, and dissolved oxygen, will help measure pollution in seawater quality. Real-time data will be transmitted once every half hour to the NCCR, and this will be shared on its website for public dissemination.

The buoy positioned 2 km to the sea will help in monitoring and forecasting changes in seawater quality. The sensor-equipped beach buoy was placed off the Cooum River as pollutants reach the sea through the waterway.

M.V. Ramamurthy, Director, NCCR said that checking the water quality of the beach is mandatory to know about pollution as the stretch near the coast was used for various needs including fishing and recreation.

NCCR scientist, Pravar Mishra, said that oxygen levels above 5-7 mg / L are required for marine organisms to survive. Blue-green algae sensors will monitor species in marine environments.

Near the marina beach also has a plan to install display boards, with the help of the state government, to spread awareness about the quality of seawater.

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