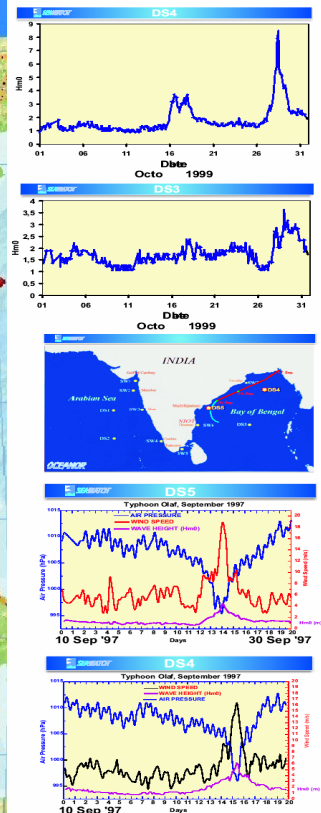


Seawatch: India



Significant Wave Height for the period leading up to the Supercyclone on 29th/30th October 1999



India

- CLIENT:** Department of Ocean Development (DOD), Government of India
- PURPOSE:** Implementation of a Marine Surveillance and Information System (MIS) for Indian waters
- DURATION:** Phase 1, 1997 to 2000
Operational phase: 2000 onwards
- LOCATION:** Indian EEZ
- DESCRIPTION:**

The project delivery includes installation, operation and maintenance of a National Data Buoy Programme (NDBP) for the Department of Ocean Development (DOD), Government of India.

The system includes 15 oceanographic buoys, transmitting data via two-way satellite communication to the operation centre. The buoy locations are from the coastal zone to the shelf and deep-water (over 4000m) positions. Four of the buoys are equipped with the following range of sensors: wind speed and direction, air temperature, air pressure, wave height, wave direction and period, current speed and direction, conductivity (salinity) and water temperature, dissolved oxygen, temperature profiler, turbidity, chlorophyll A, hydrocarbons and radioactivity. The SEAWATCH India delivery includes software and hardware at the operation centre, training in maintenance, operation of the buoy network and the operation centre, and a technology transfer programme, which will be executed during the project period.

The main objectives for NDBP is to collect metocean parameters in Indian waters, monitor the marine environment, generate and supply data products, validate satellite data, and improve the weather and sea state predictions.

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