

## **COASTAL MANAGEMENT INFORMATION SYSTEM (CMIS) Implementation of scheme in the states of Maharashtra & Gujarat**

Field observed data on coastal processes is one of the essential requirements for evolving long term plans and coastal protection measures. In view of this, for collection of such data a scheme of Coastal Management Information System (CMIS) was approved by Government of India under the on-going Scheme 'Development of Water Resource Information System (DWRIS)'. CMIS is basically a field of activity being extended, implemented and created by Central Water Commission (CWC) in association with the maritime State /UT Governments and Institutes /Agencies possessing similar expertise and experiences.

Central Water and Power Research Station (CWPRS) was awarded the work for implementation of CMIS as Project Executor at two coastal sites in the States of Maharashtra (northern region) and Gujarat (southern region). The roles and responsibilities of all the participating agencies are ascertained through an approved tri-partite Memorandum of Understanding (MoU).

Two separate tri-partite MoUs were signed on 7th January 2019 at MTBO, CWC, Gandhinagar in between CWPRS as Project Executor, CWC as Project Implementer and, Government of Maharashtra and Government of Gujarat as Project Facilitators for their respective states.

The total cost of the work including procurement and installation of the state-of-the art equipments is amounting to Rs. 695.531 Lakh (Rupees Six Hundred Ninety Five Lakh Fifty Three Thousand and One Hundred only) for two coastal sites. The total duration of the work is about three years wherein various coastal data such as waves, tides, tidal currents, shoreline and cross-shore profile, suspended and bed sediments, river /creek discharges, winds, rainfall etc. would be collected during different period of all the seasons and, processed so as to be used at front-end and linked to Centralised Data Centre (CDC). The whole work would be monitored by a Project Monitoring Committee (PMC) constituted with the experts and experienced professionals of the field.

