

INTEGRATED COASTAL ZONE MANAGEMENT (ICZM) PROJECT.

MAPPING AND DELINEATION OF HAZARD LINE

To ensure effective protection of shore lines, coastal infrastructure, livelihoods and lives through improved coastal management a Coastal Management Program undertaken by Ministry of Environment & Forest (MoEF) and entrusting the work of supplying a requisite coastal data and vulnerability mapping, (involving hazard line demarcation of coastal areas) to Survey of India through its Integrated Coastal Zone Management (ICZM) Project.

The objective of the project is to delineate, map and benchmark the coastal hazard line all along the mainland coast of India under World Bank Assisted “Integrated Coastal Zone Management” (ICZM) project, where SURVEY OF INDIA has to generate a 0.5 meter elevation contour map on 1:10,000 scale as base map to delineate the Hazard Line for the entire mainland coast of India upto the maximum width of 7 km from shore line on the landward side.

Objective:

To promote scientific approach for coastal zone management and demarcation of vulnerability line along the coastal area to take mitigative step to protect coastal communities/infrastructure from natural hazard and preserve the long term productivity of the highly populated region toward sustainable development.

Achievement:

- Report named “ ***Estimation of Highest Tide Level with 100 years Returns Period along Indian Coast line***” prepared by Geodetic & Research Branch of Survey of India using the tidal observations of 21 Primary ports and 163 Secondary ports has been prepared and submitted to Project Authorities.
- Primary and secondary control consisting of GPS and levelling work of the entire coastal area is completed.
- Total area of the Project – 75930 sq.km. Aerial photography of the project area is completed, QA/QC is under Process
- Mapping completed – 2937 sq.km.
- Aerial triangulation under progress – 9751 sq.km.
- Field work under Progress – 7431 sq.km.