

ASSESSING IMPACTS OF TBT ON MULTIPLE COASTAL USES

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NIOT SCOPE OF WORK



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- **Detoxification of TBT to non toxic compound**
- **Development of waste disposal strategy**



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1. Collection of TBT contaminated dry dock effluent

TBT contaminated shipyard waste will be collected from major shipyard and dry-docking facilities like Vishakapatnam, Chennai Harbor, Kandla Port, Veraval Fishery Harbor and Port Blair.

- ❖ Sample collection at Hindustan shipyard – Vishakapatnam – NSDRC to coordinate

2. Characterization

The effluent will be characterized for physicochemical parameters like, turbidity, SPM, TDS, pH, salinity, DO, BOD, COD, inorganic nutrients, TOC, PHC, oil and grease, trace metals, and organotin.

- ❖ TBT analysis shall be carried out using NIO's GC-MS.



