



MODELLING CAPABILITIES OF INDOMER

Indomer has experienced a vast development of programming languages from FORTRAN to C++. Right from 1998, Indomer has its own FORTRAN coding for various coastal engineering applications.

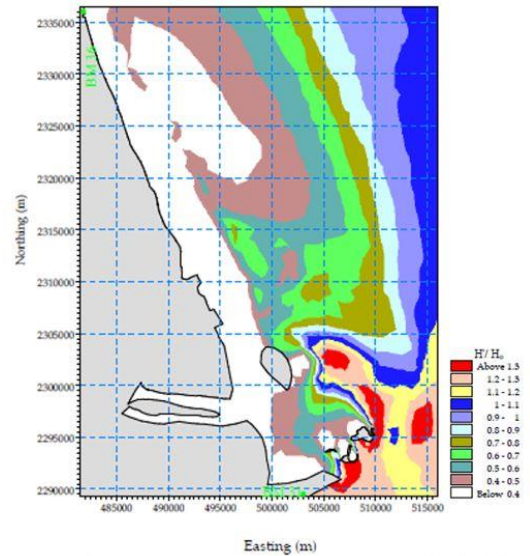
In the perspective of consultancy, Indomer is a tough competitor for leading oceanographic organizations in India. With the modelling facilities and capabilities available in Indomer, it has carried out around 95 modelling studies for projects covering entire Indian coast. It covers flow simulations, dispersion of thermal discharge from power plants, dispersion of brine rejects from desalination plant, shoreline evolution, wave transformation and wave tranquility for ports and harbors, oil spill, coal spill, dredge disposal and storm surge model.

With pioneering experience in the field of oceanography, Indomer makes use of the mathematical modelling for its 'Environmental Impact Assessment' studies leading to enhance the sustainable development of the country.

Key projects

- Sethusamudram Ship canal project.
- Impact of dredging near Wheeler Island.
- Planning of Karaikal port.
- Dredge disposal for Pipavav Port.
- Planning and Design of Pondicherry port.
- Dispersion of brine reject from the Metrowater desalination plant at North Chennai.
- Expansion of Gangavaram Port.
- Siltation in intake caisson for Udipi Power Plant.
- Seawater Thermal dispersion for proposed BARC facilities at Visakhapatnam.
- Coastal Morphological modelling on wave transformation, sediment transport and shoreline erosion for the entire Odisha coast, Integrated Coastal Zone Management Project, Odisha – World bank aided project.
- Flow, Advection-Diffusion, Oil Spill, Dredge disposal and Shoreline changes in three clusters for VKPCPIR SDA, Visakhapatnam.
- Modelling studies on intake and outfall for the Power Plant at Nayachar Island, West Bengal.

Wave model for Odisha coast



PARIVESH – SINGLE WINDOW SYSTEM FOR CLEARANCE PROCEDURES

“PARIVESH”- **Pro-Active** and **Responsive** facilitation by **Interactive**, **Virtuous** and **Environmental Single-window Hub** for Environment, Forest, Wildlife and CRZ clearances has been launched by Prime Minister, Shri Narendra Modi on the occasion of World Biofuel Day on 10th August 2018. It is a web based, role-based workflow application which has been developed for online submission and monitoring of the proposals submitted by the proponents for seeking Environment, Forest, Wildlife and CRZ Clearances from Central, State and District level authorities. It automates the entire tracking of proposals which includes online submission of a new proposal, editing/updating the details of proposals and displays status of the proposals at each stage of the workflow. PARIVESH enhances efficiency, transparency and accountability in EC, WLC, FC and CRZ clearance process. It offers a framework to generate economic growth and strengthens Sustainable Development through E-Governance. Most important feature of PARIVESH is that, EIA, Compliance report, CRZ clearance, Form 1 etc. will be available to everyone.

Disclaimer: Materials presented in the Newsletter are based on the information gathered from different sources and Indomer does not carry any responsibility for the reliability.

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