

## **Roles & Responsibility of Environment Cell**

As per the directions of the Ministry of Environment & Forest, Government of India while granting the Environment/CRZ Clearances to the Port & Port led developmental GMB's projects, the Board understood the seriousness of Environmental concerns and therefore created Environment Cell directly reporting the Apex Authority in the Board. The Cell is functional since 1999 and equipped with qualified professionals of the fields. The cell's orientation to deal with Environment Management is tried to be with ecosystem approach rather than gray approach. Hence it negotiates mainly by adopting Preventive technologies, if not possible of adopting preventive technologies and then adopts mitigation of adverse impacts due to development, if mitigation is not possible then adopts a compensatory approach and when compensation is also not possible then GMB believes in avoiding such site for port development where any of the approaches for sustainable development of the port is not possible.

Following the broad scope of the Cell

- ✓ Understanding Environment issues in Port development, Operation and Maintenance
- ✓ Framing appropriate scope of work for requisite environment management, EIA & various other complex issues to address those with tailor made solutions,
- ✓ Awarding the consultancy tasks for environmental management & EIAs, Modeling etc & other complex studies to the appropriate agency and also sometimes In-house work of EMP/EIA/Feasibility etc,
- ✓ Dealing with GPCB/CPCB/DoEF/MoEF &CC for various aspects including obtaining clearances for port and port led development and policy makings at State and National level,
- ✓ Dealing with SAC(ISRO) and BISAG for preparing and getting CRZ maps of the port limit area of GMB ports and land use maps,
- ✓ Operating Local Oil Spill Contingency Plan for Ports as per NOS-DCP Guidelines of Indian Coast Guard,
- ✓ Preparation of Environmental Management Plans- Basically Assisting Engineering Section for preparation Master Plan for existing ports to address policy regulations issued by MOEF& CC from time to time,
- ✓ Operating and upgrading the existing Hazardous Waste Management Facilities for Ship Recycling as per latest regulations.- (Development and Operation of TSDF at Alang),
- ✓ Initiating dialogs, meeting & developing participatory approach with the key stakeholders for solving any typical pollution related problems- with NGOs, Media & regulatory authorities,
- ✓ Review of EMP for various ports and suggest modifications if any for better Env Management,
- ✓ Complying with RTI Act,
- ✓ Representing GMB at the State, National and International level ( like UNEP-IMO-ILO- UN agencies and WB & JICA) for Environment Management-Treaties-Conventions etc and programmes/seminars/meetings concerning with coastal & marine environment and Port Sector-infrastructure

- ✓ Comments & advise on draft amendment, notifications on Environmental Laws and preparing LAQ/RSQ/Starred & Un-starred Parliamentary Questions,
- ✓ Imparting knowledge and raising awareness for Environment Protections among GMB key officers and other related stakeholders,

### **Professional Experience of Environment Cell**

1. Initial Environmental & Ecological Studies and pre- feasibility studies for selection of suitable sites for sustainable development of ports & port led infrastructure along the coast line,
2. Obtaining Terms of Reference from MOEF/DOEF for the GMB's stakeholders
3. Commissioning full fledge EIA based on TOR approved by MOEF along with Model Studies for predication of recurring dredging and identification of spoil grounds for both capital and recurring dredging,
4. Special Model Studies and Simulations for
  - Adoption/Assimilation of alignment of breakwaters/jetties in marine environment
  - Devising Shoreline Protections against erosion
  - Identification of trajectories routes for spill movement of oil for preparation of local oil spill contingency plans.
5. Full Oceanographic Studies for facilitating proponents in preparation of DPR,
6. Master Planning of Ports and preparation of Sub-Regional Plans along the coastal area linking the ports,