

Ideas to Improve Bangladesh's Oceans Resource Management

- Sustainable fisheries resource management as a source of protein and export earnings.
- Design quotas for total allowable catch.
- Declare suitable coastal waters as Marine Protected Areas (MPA).
- Stop land based pollution (e.g. plastics, polythene, toxic substances) and untreated industrial effluents from entering the sea.
- Reduce shore-based and ship-borne pollution.
- Stop industrial practices on the continental shelf and onshore areas.
- Use global best practices in hydrocarbon exploration on the shelf and coastal waters.
- Regulate drilling and rig operations.
- Increase grid connected renewable energy from tide.
- Invest in wind power plant.
- Design and implement projects to supply 'green' electricity.
- Maintain existing and create new maritime industrial fronts.
- Promote ship building industry.
- Undertake research on marine biotechnology and industries based on biotechnology.
- Encourage fishing operators to venture into deeper and open ocean areas with high-tonnage vessels, using alternate gear, such as tuna long-lines and hooks.
- Develop capacity of blue economy stakeholders.
- Rapid production intensification for enhancing fisheries production.
- Introduce and nurture mariculture or marine farming technique.
- Domestication of new fish and shellfish species.
- Diversify coastal aquaculture practices for improved productivity.
- Promote coastal and marine tourism.
- Expansion of fleet in terms of size and capacity, and of destinations.
- Focus on inland water transport and inland ports/terminals and river navigability.
- Update biodiversity policies and plans to include climate mitigation and adaptation.
- Address coastal erosion from rising sea-level and increasing storm activities.
- Engineering interventions for land reclamation from sea.
- Protection of coastal zones and islands by mangrove afforestation.
- Create natural corridors for freshwater fishes.
- Establishment of dams and barrages to consider sediment movement and navigation.
- Integrated water resources management for marine and coastal zone development.
- Provide research funds to universities involved in the study of marine sciences.
- Operationalize the National Oceanographic Research Institute (NORI).
- Develop a national marine science data infrastructure.
- Integrated policy and strategy, interagency coordination and marine spatial planning.
- Design an integrated coastal and ocean management policy and framework to be implemented by a special task force (e.g. under the Prime Minister's Office).

- Establish platforms for multi-sectoral cooperation and coordination in marine affairs.
- Establish a rigorous marine-oriented monitoring and assessment facility.
- Bridge the communication gap between academicians and industries regarding access to data.
- Acquire an accurate estimate of petroleum and natural gas resources.
- Explore the richer stock of minerals in coastal areas and utilize this stock.