

#### **(IV) PROPOSED TERMS OF REFERENCE (ToR) FOR EIA STUDY**

The Terms of Reference (ToR) proposed for preparation of Environmental Impact Assessment Report includes Environmental Management Plan for grant of Environmental Clearance under EIA Notification, 2006 and CRZ Notification, 2011 is as under:

##### **1. General**

- a. Impact area of 10 km around the project boundary
- b. One season environmental baseline monitoring
- c. Adherence to the sector specific guideline manual, and standard ToR issued by the MoEF&CC

##### **2. Project Description**

- a. Type, Need and Location of the project.
- b. Size and process description of the project with aspects which may affect the environment.
- c. Relevant maps/plates showing various details.

##### **3. Description of the Environment**

- a. Study area, period, components & methodology;
- b. Description of the study area w.r.t its environmental settings as under:
  - Physico-chemical settings** – comprising of meteorological & air environment; noise environment; land environment and water environment.
  - Ecological settings** – comprising of aquatic flora-fauna.
  - Demographic settings** – comprising socio-economic status, infrastructure, etc.
- c. Environmental Monitoring – **one season**

<b>S. No.</b>	<b>Attribute</b>	<b>Parameters</b>
1	Meteorology	Wind speed, direction, temperature, humidity, rainfall etc.

S. No.	Attribute	Parameters
2	Land Use	Land use and Land cover (LULC) map of different components
3	Ambient air quality	PM10, PM2.5, SO <sub>2</sub> , NO <sub>2</sub> , Pb, CO, and NH <sub>3</sub>
4	Noise levels	Noise levels in dB(A)
5	Water Quality (both surface & ground water)	Physico-chemical and Biological parameters
6	Sediment Quality	Physico-chemical and Biological parameters
7	Marine Biodiversity	Marine biodiversity reported from the project area, if any
8	Soil Quality	Parameters related to agricultural and afforestation potential
9	Terrestrial Environment	Flora & fauna of the project influence area
10	Fishery Status	Fishery status of the project influence area
11	Socio-economic Status	Socio economic status, demographic, and social impact etc.

#### 4. Anticipated environmental impacts and mitigation measures

- Assessment of impact on the baseline due to size, location, operation, accidental or incidental activities of the project.
- Measures for minimizing the anticipated impacts.
- Assessment of importance of various impacts and parameters.
- Mitigative measures.

#### 5. Environmental monitoring programme

- Periodical monitoring of the environment during construction and operation phase of the project.
- Identify and analyse crucial parameters (air, water environment) for monitoring.

#### 6. Additional Studies

- Risk assessment and disaster management plan
- Corporate social responsibility (CSR) plan

## **7. Environment Management Plan**

- a. Proposed mitigate measures and their implementation.
- b. Structure of environment management cell.
- c. Administrative and cost control of implementation schedule.

## **8. HTL and LTL Demarcation**

The HTL/LTL demarcation map shall be prepared with the help of one of the approved agency identified by MoEF&CC for this purpose.