

## **ACTIVITY 7(h)- COMMON EFFLUENT TREATMENT PLANTS (CETPs)**

### **STANDARD TERMS OF REFERENCE FOR CONDUCTING ENVIRONMENT IMPACT ASSESSMENT STUDY FOR COMMON EFFLUENT TREATMENT PLANTS (CETPs) AND INFORMATION TO BE INCLUDED IN EIA/EMP REPORT**

#### **I. Project Details**

- i. Importance and benefits of the project.
- ii. Reasons for selecting the site with details of alternate sites examined/rejected/selected on merit with comparative statement and reason/basis for selection. The examination should justify site suitability in terms of environmental angle, resources sustainability associated with selected site as compared to rejected sites. The analysis should include parameters considered along with weightage criteria for short-listing selected site.
- iii. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
- iv. Details of member units, its production capacity, waste generation, characteristic and details of primary treatment provided by the member units.
- v. Details on present treatment and disposal systems
- vi. Details of effluent collection system from member units level.
- vii. Examine and submit details of inlet characteristics of waste proposed to be treated.
- viii. Details of the CETP with design parameters. Layout plan of CETP and open spaces.
- ix. Submit a copy of MoU made between the Member units.
- x. Other chemicals and materials required with quantities and storage capacities.

#### **II. Road, Traffic and Transportation**

- xi. Detailed plan to be submitted for collection and transportation of effluents to CETP.

#### **III. Land Environment**

- xii. Details of the land use break-up for the proposed project. Details of land use around 10 km radius of the project site.
- xiii. Status of the land purchases in terms of land acquisition Act. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.

#### **IV. Waste Management**

- xiv. Details of hazardous waste collection. Spill proof arrangement
- xv. Details of storage facility available at the CETP.
- xvi. Examine and submit details of sludge/solid waste generated and method of disposal. MoU in this regard.

#### **V. Energy Requirement**

- xvii. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project.
- xviii. Details of the adequate power back up facility, to meet the energy requirement in case of power failure from the grid.

#### **VI. Water management**

- xix. Details of the usage of treated effluent for green belt development and horticulture.
- xx. Details of water requirement, source and water balance chart.
- xxi. Give the mode of disposal in case of excess treated wastewater.

#### **VII. Environmental Monitoring and Management**

- xxii. Details of green belt
- xxiii. Details of performance monitoring, lab facility with technical persons.
- xxiv. Details of water meters for inflow and outflow monitoring etc.
- xxv. Possible carbon footprint contribution from each activities and mitigation measures proposed shall be included as part of Environment Management Plan.
- xxvi. To ensure discharge standards, the measures taken to avoid any shock loading (in terms of volumetric flow and wastewater characteristics) in CETP should be addressed.

#### **VIII. Court Cases**

- xxvii. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.

## **IX. Miscellaneous**

- xxviii. Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "<http://moef.nic.in/Manual/CETPs>".