

# **COMPLIANCE OF ENVIRONMENT CLEARANCE CONDITIONS AND LEGISLATIVE REQUIREMENTS IN FERMENTATION INDUSTRIES**

Presentation by:

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# REQUIREMENTS FOR ANY INDUSTRY

- Consent to Operate
- Submission of Environment Statement (Form-V) every year on or before 30<sup>th</sup> September
- Obtain Environment Clearance as per Schedule of EIA Notification, dated 14<sup>th</sup> September 2006.
- Compliance of Environment Clearance conditions and submission of the Six monthly compliance reports to the Regional office, MOEF & CC of the respective states

# GENERAL SCENARIO

- Most of the industries are aware of the legislative requirements, however, compliance is very poor. A brief compliance of these requirements are discussed
  1. Water budgeting and effluent generation are the two important aspects which require special attention. It is unfortunate that the industries often submit different figures of water requirement and effluent generation in different compliances. It is utmost important that the industry shall stick to the same figures as submitted in actual practices

# ENVIRONMENT STATEMENT

2. Environment Statement Form-V is a tool to improve the performance of the industry in terms of reduction in Water consumption, Effluent generation, Raw material consumption and Recovery of the products and as a whole to improve the Health of the industry. The issues involved are to be scientifically analyzed and improvements are to be incorporated to achieve these goals

# CONSENT TO OPERATE

3. “Consent to Operate” is issued by the Pollution control boards and being renewed from time to time based on the compliances. The industry has to strictly adhere to the consent conditions prescribed and implement as a social obligation. Some of the conditions of Consent to Operate are often not reviewed and implemented. Few examples are Rain water harvesting, Green belt development, Meeting the standards of effluent and emissions. The common technologies adopted in fermentation industries are Anaerobic digestion followed by Concentration and Composting **or** Concentration and Incineration to achieve Zero Liquid Discharge. Most of the industries are not able to operate the systems effectively to achieve the consent standards as the technological gaps are still not understood fully. It is also possible for the industry to opt both these technologies simultaneously to fill the gaps and achieve successfully Zero Liquid Discharge and operate the industry to their maximum production capacities.

# ENVIRONMENT CLEARANCE

4. Environment Clearance is compulsory for the industries for Establishment / Expansion / Modernization. Modernization is always misunderstood as change in process improvements / efficiencies by adopting better technologies and also to conserve water and reduce effluent generation. Modernization also attracts the Environment Clearance as the process or technology involved may lead to the end products which may not be suitable to retrofit the existing technology of waste management. As such, the technological barriers, if any, are to be addressed and should get the approval of the MoEF & CC for implementation of the project. Thus, Environment Clearance is a must even for modernization.

# VIOLATION

5. Earlier many of the industries have modernized their plants / expanded their capacities without Environment Clearance. Some industries have changed their products without increase in pollution load, which is termed as “Product mix”. All these different categories now require Environment Clearance as per the MoEF & CC Notification S. O. 804 (E) dated 8<sup>th</sup> March 2018. These cases will be considered as violation of the Environmental Clearance conditions and shall be dealt separately by Center & State appraisal committees.



# COMPLIANCE REPORT FROM R.O.

6. It is obligatory for every industry who is expanding its capacity / modernizing / adopting change in technology shall have to obtain a compliance certificate of the Environment Clearance conditions of the existing unit from Regional officer of the MOEF & CC. In order to obtain the Compliance certificate, the industry should note that they have complied all the Environment Clearance conditions. Some of these relevant compliance points are below:

- Six monthly report submission wherein the test reports of Surface water, Ground water, Soil quality, Noise level and Ambient air quality within the factory premises and also in the project area of 10 km radius
- Production capacities for the present and previous years. If the production capacity increases the reasons for not taking Environment Clearance
- Environmental Statement (Form-V)
- Paper advertisements that the industry has received Environmental clearance,
- Financial closure of the project
- Implementation of treatment technologies as mentioned in the Environmental Clearance

# COMPLIANCE REPORT FROM R.O.

7. It is to be noted that the certificate from Regional Office is a pre-requisite to obtain the Environmental Clearance from the Ministry.

**THANK YOU...**

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