

## Terms of Reference

The Environment Impact Assessment will consist of the following,

1. Manufacturing Process details shall be included.
2. Mass balance for the raw material and products will be included
3. Ambient Air Quality monitoring at 8 locations within the study area of 10 km, aerial coverage from project site with one AAQMS in downwind direction will be carried out.
4. Details of water requirement, water balance chart for new unit or for existing unit as well as proposed expansion. Measures for conservation water by recycling and reuse to minimize the fresh water requirement.
5. Source of water supply and permission of withdrawal of water from competent authority.
6. Water balance data including quantity of effluent generated, recycled and reused and discharged will be provided.
7. Solid/Hazardous waste generation, storage, utilization and disposal from all the sources. EMP will include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
8. Risk assessment and Disaster (Emergency) Preparedness and Management Plan including damage control needs will be addressed and included.
9. Occupational Health:
  - a. Details of existing Occupational & Safety Hazards. What are the exposure levels of above mentioned hazards and whether they are within permissible exposure level (PEL). If these are not within PEL, what measures adopted to keep them within PEL so that health of the workers is preserved.
  - b. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect), ECG, during preplacement and periodical examinations give the details of the same. Details regarding last month analyzed data of abovementioned parameters as per age, sex, duration of exposure and department wise.
  - c. Annual report of health status of workers with special reference to Occupational Health and Safety.
  - d. Implementation of OHS standards as per OSHAS/USEPA.
  - e. Plan and fund allocation to ensure the occupational health & safety of all contract and sub-contract workers.
10. Corporate Environment Policy:
  - i. Environment Policy approved by its Board of Directors?
  - ii. Environment Policy prescribed for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental conditions?
  - iii. Hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions?
  - iv. System of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large?
11. Environment Management Plan (EMP) to mitigate the adverse impacts due to the expansion along with item wise cost will be included.