

Proposed Terms of Reference for EIA studies

The proposed Environmental Impact Assessment documents will be in line with the Appendix III of the latest Notification (September 14th, 2006) of MoEF, New Delhi and further amendments issued by MoEF, New Delhi from time to time and Standard ToR.

This will cover the following:

1. Introduction

- General description of the project giving objective of the project and purpose of the report.
- Name & Address of the project and project proponent.
- Brief description of nature, size, location of the project and its importance to the country.
- Scope of the study giving details of regulatory scoping carried out.

2. Project Description

- Description of the Asbestos Cement Roofing Sheet manufacturing process with due emphasis on the likely cause of environmental effect along with following details:
 - Type of the project
 - Need of the project
 - Map showing general and specific locations, project boundary and project layout.
 - Size or Magnitude of operation proposed.
 - Technology and process description
 - Drawings showing project layout, components of project and layout showing storage, potential source (s) of emission, source (s) of noise, drainage, green belt, APCS installation points etc.
- Mitigation measures at the project to meet environmental standards, operating condition etc.

3. DESCRIPTION OF THE ENVIRONMENT

- This will cover study area, period, component and methodology, baseline environmental status, identifying significant parameters, base maps showing monitoring locations.

4. ANTICIPATED ENVIRONMENTAL IMPACT AND MITIGATING MEASURES

- Environmental impacts prediction due to the project, regular operation, final decommissioning would be assessed.
- Facilities to control pollution at source and measures for minimizing adverse impacts will be properly adopted. Irreversible and irretrievable parameter of environmental components will be identified.
- Above will include significant impact (s) and mitigating measures

5. ENVIRONMENTAL MONITORING PROGRAMME

- This will cover monitoring for impact assessment, assess performance & undertake midterm corrections if & as required.
- The effectiveness of mitigation measures.

6. ADDITIONAL STUDIES

- Risk Assessment

7. PROJECT BENEFITS

- This will cover the improvements due to upcoming of the project including physical, infrastructure, socio-economic, employment potential and other benefits.

8. ENVIRONMENTAL MANAGEMENT PLAN

- Will suggest specific actions taken/ proposed for Environment & Pollution Control. An Environment cell for implementation of suggestions will be formed.

9. SUMMARY & CONCLUSION

- This will cover summary of the EIA report with overall justification for implementation of the project and steps proposed to mitigate the adverse effects on environment.

ENVIRONMENTAL MONITORING

Study area: 10km radius area

	No. Of location	Parameters	Frequency
Meteorology			
	1	Wind speed & direction, temperature, Relative humidity, rainfall	Hourly recording of wind speed & direction, temperature
Ambient Air Quality			
	6-8	PM ₁₀ , PM _{2.5} , SO ₂ , NO _x , CO	24 hourly sample, twice a week for a month in winter season CO-8 hour sample
Water Quality			
	4-6 As per availability	As per IS:10500/IS:2296 Class C	Once during study period
Soil Quality			
	3-5	pH, conductivity, texture, NPK, organic matter, moisture content, grain size distribution	Once during study period
Noise level			
	6-8	Leq	Once during study period
Ecology			
	10km radius area	Identification of flora & fauna including endangered species	Once during study period
Traffic study			
	2-4 (Important Traffic junction)	LMV & HMV	Once during study period
Land use/land cover			
	10km radius area	Based on remote sensing data	Once during study period

Scio economic study			
		Based on district census handbook/statistical data available for the area (Distt & state)	Once during study period

The EIA/EMP will also cover the following:

- Work place environment
- Water balance, water to be recycled and reused.
- Risk assessment and damage control.
- Occupational health of workers.
- Green belt development plan.
- Socio economical development proposals