

PROPOSED TERMS OF REFERENCE

The terms proposed for the EIA study are summarized below;

- i) To describe the proposed project and associated work together, including project justification. Project description shall include the raw material requirements/sources, resources requirements/sources, processes description/flow charts, end product/s by product/s details, etc capital investments and investments/expenses on environment management
- ii) To identify and describe the elements of the community and environment likely to be affected by the proposed project; it will be done by
 - Collecting baseline environmental data from 10 km radius of the site; on aspects such as air, water, noise, soil, flora, fauna, socio-economy, etc.
 - Study of geography, topography, Land use pattern, etc.
- iii) To establish the baseline environmental and social scenario of the project surroundings; primary data will be collected for following factors
 - Study of Ambient Air Quality at five locations (Including the project site and the surrounding four directions)
 - Study of ground and/or surface water environment
 - Measurement of noise levels at the project site and surroundings (minimum five locations),
 - Study of soil – for site and immediate surrounding area
 - Collection of Traffic data
 - Collection of ecological data
- iv) Secondary data will be collected for following factors
 - Meteorological and climatic data
 - Geographical data
 - Geology and hydro-geological data
 - Socio-economic data
- v) To identify and quantify pollution sources and determine the significance of impacts

- Identify potential sources of air, water, soil and noise pollution
 - Identify potential sources of solid, liquid and gaseous pollutants
 - Threats to the surrounding ecosystem- if any
 - Potential impact on the social environment
- vi) To identify, predict and evaluate environmental and social impacts expected during the construction and operation phases of the project
- vii) To develop mitigation measures so as to minimize the adverse impact, environmental disturbance and nuisance during construction and operations of the project and Preparation of Environment Management Plan (EMP)
- viii) To design and specify the monitoring and audit requirements - if necessary to ensure the implementation and effectiveness of the mitigation measures adopted
- ix) To evaluate risk and prepare risk assessment plan as well as disaster management plan
- x) Project benefit analysis and overall summary of the study