

GUIDELINES FOR PREPARATION OF IEE/EIA REPORTS FOR SAND/GRAVEL AND LIMESTONE MINING PROJECTS

Requirements of Environmental Study (In General)

The environmental study (IEE/EIA) must be based on real-time survey. Requirements of the EIA/IEE study are that:

- It should identify, predict, describe, assess and communicate potential environmental impacts of proposed mining project in all its phases including exploration, construction (if any structure to be built), operation (each step), closure and post-closure.
- It should cover the entire area that may be affected by the project. If the project includes areas outside the mining area, for instance roads, pipelines, etc., impacts of mining project on these infrastructures should also be included in the study.
- It should present measures to address and mitigate the identified impacts.
- It should include all aspects in relation to nature, wildlife and public health regarding exposure to environmental contaminants resulting from the mining project

Format of Environmental Report (IEE/EIA)

Following format may be followed for preparation of IEE/EIA Reports of Sand/Gravel and Limestone Mining Projects:

- An extended non-technical **summary** including maps and figures. The document must be easy to read and understand for the decision makers as a stand-alone document.
- An **introduction** describing the project, its background and objectives
- A thorough and realistic **description of the state of the environment** before the start-up of mining activities supported by real-time maps and photographs.
- A detailed **description of the limestone mine/sand/gravel excavation project** including all phases from exploration to closure and beyond.
- An **assessment of environmental impacts** of the project from exploration to closure and beyond, with an evaluation of alternative options to the preferred project option. It should also cover an assessment of issues related to any sensitive receptor including reserved forests, water bodies, irrigation infrastructures, archaeological sites/structures, residential areas, industrial

settings, commercial zones, etc. in addition Cumulative impacts of existing and expected future/already planned projects that could influence the conclusions of current environmental study must also be discussed in this section.

- An **environmental management plan (EMP)** describing management, control and mitigation of the identified impacts, emergency plans for unplanned events (fire, transport accidents and releases to the environment) and training programs for employees related to, for example, environmental matters.
- An **environmental monitoring plan** describing how all aspects relevant to environmental issues will be monitored.
- An assessment of environmental issues related to the closure plan and following environmental monitoring.
- **Public consultation.**
- **Conclusions.**
- **References** and glossary of terms and abbreviations.
- **Annexure (as required/project specific)** may include Colored, well-printed, Google Earth maps of Lease Area which must be Properly labeled and equipped with legends, NOCs from all concerned departments, written feedback from nearby residential community regarding project, transparently showing their consent and satisfaction, exploration licenses, lease documents and license from explosives department.