

Proposed Terms of Reference for EIA studies

1. Location map showing Project and Area boundary along-with major surface features like road, rail line, surface water bodies, pits etc.
2. The buffer zone will comprise of 10 km zone around the mine lease area.
3. Present land use of core zone and buffer zone.
4. Authenticated list of flora and fauna in the core and buffer zones.
5. A site plan showing the areas ear-marked for various components of the Project.
6. Justification for selection of mining technology proposed for this Project.
7. Description of the present environmental scenario based on one –season (nonmonsoon) primary base-line data on Ambient Air Quality (SPM, RPM, PM2.5, SO2, NOX), Water Quality, Noise Level, Soil Characteristics, Flora & Fauna.
8. Detail of villages to be affected by mining activity and R&R action plan for PAFs.
9. Detailed Hydro-geological study to study the impact of the proposed mining activity on ground water resources.
10. Water balance study showing the impact of mine-pumping of ground water and its discharge into surface water bodies.
11. Prediction of impact on different components of environment inter-alia i) Air including noise ii) Water iii) Soil iv) Flora & Fauna v) Socio-economic scenario
12. Impact due to blasting, noise and vibration, solid waste management & washery operation.
13. Conceptual post-mining land-use and reclamation and rehabilitation of mined-out area (with plans and sections) and comparison between land-use during mining and postmining.
14. Progressive green-belt development plan.
15. Environmental management plan for mitigation of impacts.
16. Detail of health-care facilities available for local population.
17. Safety and risk-analysis study.
18. Detail (including video-graphy of the proceedings) of Public-hearing and issues raised by the public.
19. Description of the technology used for mining and allied activities.
20. Detail of the coal handling and transportation.
21. Brief description of profiles of various agencies involved in the preparation of the EIA/EMP report.

22. The generic structure suggested in EIA Notification, 2006 will be followed for preparation of EIA/EMP document.