

PROPOSED TERMS OF REFERENCE FOR EIA STUDIES

Request for Waiver of Public Hearing condition

The earlier proposal for (i) enhancement of production from mines from 0.1 million TPA to 0.215 million TPA with (ii) additional concentrate 36,000 to 60,000 MT per annum was applied to MOEF&CC for obtaining Environment Clearance (EC) and was presented for TOR on 22nd January 2010.

EAC has approved TOR for the proposal on 15 February 2010. Based on the Approved TOR - EIA/EMP was prepared and Public Hearing was successfully completed on 31/08/2010 covering both proposals as mentioned above.

Meanwhile, after Public Hearing was completed for 2.15 LTPA, we have dropped the proposal (i) of expansion from Mines from 0.1 million TPA to 0.215 million TPA which the Hon'ble EAC has accepted and accorded Environmental Clearance for COBP on 24.02.2016.

We have also obtained NOC i.e. Consent to Establish (CTE) from SPCB, Odisha for enhancement of production 2.15 LTPA of Chrome Ore on 30.11.2011.

Since Public Hearing has been successfully conducted previously for increase of capacity from 0.1 MTPA to 0.215 MTPA, we request the Hon'ble Committee to Waive condition of public Hearing for the project.

DETAILED PROJECT TERMS

a) Air Environment

- Meteorological data collection on hourly basis for three months on wind speed, wind direction, temperature, rainfall, relative humidity, Pressure and Cloud cover
- Ambient Air Quality data collection for 12 weeks
- Prepare inventory of point, line and area sources
- Quantity emissions from all existing sources
- Evaluate cumulative effect of point, line and area sources using appropriate model in preliminary estimation and Gaussian Plume model in subsequent analysis to establish source-receptor relationship
- Preparation of environmental management plan

b) Noise Environment

- Noise data collection in dB(A) and calculation of day and night equivalents
- Identification of point, line and area sources of noise
- Assessment of present and projected noise levels in the region
- Identification of high noise level zones and suggestions on mitigation measures
- Preparation of Acoustic Environmental Management Plan

c) Water-Environment

- Identify water bodies including surface & ground water qualities
- Collection and analysis of samples, once in a season as per IS 10500
- Identify present and future designated use in various stretches
- Identifying the possible ways of water pollution from the mining activities
- Formulations of water Environmental Management Plan

d) Land Environment

- Collection and Analysis of Soil samples as per BIS specifications
- Assessment of existing land use pattern and land quality
- Preparation of inventory of waste and reject disposal sites
- Identification of appropriate sites for waste disposal
- Estimation of anticipated impacts on soil quality and land use pattern and related activities due to proposed mining activities and alternatives
- Delineation of land Environmental Management Plan including Post-mining Land use plan

e) Biological Environment

- Collection of information on flora and fauna in the region
- Collection of ecological information on terrestrial and aquatic ecosystems
- Prediction of impact of proposed mining activities and alternative options on flora and fauna of the region with special reference to biological diversity
- Impact analysis and management plan of surrounding forest and its wild life

g) Socio-economic Environment

- Collection of secondary data on village wise Population, Sex Ratio, Literacy, Number of Households and Percentage of Main workers.
- Collection of primary information on infrastructure facilities in the study area.
- Assessment of impact on socio-economic environment in qualitative terms.
- Delineation of Community Development Plan and estimation of Budget for Community Development.

h) Occupational Health & Safety

- Identification of Occupational Health & Safety
- Baseline health status assessment during pre & post-employment stages
- Management Plan for Occupational health & Safety

i) Risk Assessment & Hazard Management

- Identification of Risks involved in mining operations.
- Ranking of Risks and notifying to the employees.
- Identifying hazard prone areas and making necessary arrangement to combat during emergency operations.