

## **APPENDIX - I**

### **Proposed Terms of Reference for EIA studies**

#### **The Proposed TOR is as follows:-**

This is existing operative mine for which EC has been granted by MOEFCC vide no. J-11015/405/2005-IA.II (M) dated 14<sup>th</sup> July 2006 having production capacity of 10,00,000 TPA in 384.9618 ha. area under purview of EIA notification 1994. This application is for the validation of existing EC under the purview of EIA Notification 2006 in reference to MOEFCC Notification dated 6<sup>th</sup> April 2018 and EIA/EMP Report, if require, will be prepared by CSIR-Central Institute of Mining and Fuel Research, Dhanbad on the basis of the standard guidelines of Ministry of Environment and Forests Gazette Notification No. S.O. 60(E) dated 27<sup>th</sup> January, 1994 and modified as per Notification No. S.O. 1533 dated 14<sup>th</sup> September 2006.

EC granted for the lignite mining vide No. J-11015/405/2005-IA.II (M) dated 14<sup>th</sup> July 2006 having production capacity of 10,00,000 TPA in 384.9618 ha. area under purview of EIA notification 1994.

#### **The Proposed TOR is as follows:-**

1. Assessment of present status of air, water, noise, land /soil, land use, hydrology, hydro-geology, biotic environment (ecological studies), socio-economic, demographic and other component of environment as per the applicable EIA notifications and other guidelines in the respective impact zones viz. Core Zone and Buffer Zone of the mines
2. One season (non-monsoon) primary baseline data with respect to air quality (PM<sub>2.5</sub>, PM<sub>10</sub>, SO<sub>2</sub> and NO<sub>x</sub>), water quality, noise level, soil and flora and fauna.
3. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, water bodies, settlements and other ecological features. Land use plan of the mine lease area as operational and post operational phases.
4. Details of land for any over burden dumps outside the mine lease area, distance from mine lease, its land use, R&R issues, etc.
5. Socio-economic survey of the study area.
6. Biological study of the study area with necessary conservation plan for Scheduled-I fauna, if required.
7. R&R Plan/compensation details for the Project Affected People (PAP), if required.

8. The water requirement of the project, its availability, source and water balance study.
  9. Impact of the project on air quality and necessary safeguard measures.
  10. Impact of the project on water quality and necessary safeguard measures, if any required.
  11. Conceptual post mining land use, Reclamation, Progressive Greenbelt Development plan, etc.
  12. Identification and description of the environmental monitoring program to be adopted.
  13. Detailed environmental management plan to mitigate various environmental impacts.
  14. Details of onsite shelter and facilities to be provided to the mine workers.
- (b) "I, hereby, give undertaking that the data and information given in the application and enclosures are true to best of my knowledge and belief and I am aware that if any part of the data and information submitted is found to be false or misleading at any stage, the project will be rejected and clearance given, if any to the project will be revoked at our risk and cost.

Date: \_\_\_\_\_

Place: \_\_\_\_\_

Signature of the applicant

**Applicant:**

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