



State Level Environment Impact Assessment Authority, Jharkhand

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Letter No : EC/SEIAA/2022-23/2760/2023/

Ranchi, Date :

**To: Shri Raj Kumar, HOD (Env.),
M/s Central Coalfields Limited,
Darbhanga House, P.O. – Ranchi,
Distt - Ranchi, Jharkhand – 834001.**

Sub: Prescribing of ToR to “Jharkhand Laiyo Phase - I OCP (1 MTPA) of M/s Central Coalfields Limited (Eastern part of West Bokaro) at Village : Laiyo, Tehsil : Mandu, District : Ramgarh, Jharkhand (147.38 Ha)”, (Proposal No. SIA/JH/CMIN/416147/2023) - regarding.

Ref: Your application no.- PO/JOCP/ToR/2022-23/1870, dated – 20.02.2023.

Sir,

It is in reference to the project “Jharkhand Laiyo Phase - I OCP (1 MTPA) of M/s Central Coalfields Limited (Eastern part of West Bokaro) at Village : Laiyo, Tehsil : Mandu, District : Ramgarh, Jharkhand (147.38 Ha)” submitted by you for seeking Terms of Reference (ToR).

This is expansion project which has been taken for appraisal on 23.05.2023.

The proposal was considered by the committee to determine the “Terms of Reference (TOR)” for undertaking detailed EIA study for the purpose of obtaining environmental clearance in accordance with the provisions of the EIA Notification, 2006 and amendments thereafter. For this purpose the Project Proponent has submitted the prescribed Form - I & PFR the proposed project falls under item 1 (a) Mining of minerals (Coal) as per EIA Notification, 2006.

Introduction: Jharkhand-Laiyo OCP is an existing mine administratively under Hazaribagh Area of Central Coalfields Limited. Mining Plan of Jharkhand-Laiyo (Phase-I) OCP in 147.38 Ha with rated capacity of 1 MTPA was approved by CCL board's 524th meeting on 17.01.2023.

Jharkhand Expansion OCP was granted EC from MOEF&CC vide letter no. J-11015/03/2015-IA-II(M) dated 08.02.2017 for the capacity of 2.7 MTPA for the area of 261.84 Ha. Life of mine was 6 years as per the granted EC. A fresh mine plan has been formulated by adding 25.55 ha. additional fresh land, which is of notified forest land in nature (the part of forest land stage-I obtained for 78.59 ha. for Laiyo UGP). The 140.01 Ha. land, which will be not utilized as per present mining plan has been truncated from the granted EC boundary of 261.84 ha. Therefore, only 121.83 ha. of previous EC area and 25.55 ha. additional fresh land has been included in new

mining plan naming Jharkhand-Laiyo Phase I OCP. The total area of mining plan of Jharkhand Laiyo OCP is 147.38 Ha.

Location: The proposed Jharkhand-Laiyo (Phase-I) OCP is in eastern part of West Bokaro Coalfield of Central Coalfields Limited in Jharkhand state. It is covered under the Survey of India Topo Sheet No- 73E/9 and is bounded between latitudes 23°46'53''N to 23°48'29''N and longitudes 85°36'23''E to 85°37'23''E.

Communication: By road, the project is about 95.00 Km North of Ranchi, the capital city of Jharkhand. The project is approachable through coal trunk route taking off NH-33 at Charhi More to Jharkhand Laiyo OCP by an all-weather metalled road. The block is well connected by road and railway. The nearest railway station is Dana on Barkakana Dehri-on-Sone-Gomohloop line of Eastern Railway about 8 km away. The nearest Railway Siding is N R Siding.

Drainage: The proposed Jharkhand-Laiyo (Phase-I) OCP in general is having flat topography with the general elevation ranging from 300m to 350m. The drainage of the block is controlled by easterly flowing Chutua Nala. Chutua nala flowing from west to east is the main tributary of the Bokaro River and is perennial in nature. The HFL of this nala is 314.74 m as per working plan supplied from Jharkhand OCP.

Mineable Reserve: The project area of present proposal is 147.38 Ha. Proposed capacity of Jharkhand Laiyo OCP is 1.0 MTPA. As per the Mining Plan, total mineable reserves have been estimated as 2.70 M.tonne corresponding to a volume of OBR of 12.76 Mm³ at an average stripping ratio of 4.73 M³ per tonne. Total estimated life of mine is 4 years.

Power Requirement:

Main Source of power: - Damodar Valley Corporation (DVC)

- Location of substation: - Near Jharkhand PO Office.
- Distance of main source to substation: - 4 km, Installed capacity: - 5 MVA.
- Annual energy consumption: - 5391262 KWH

Water Requirement: Industrial demand is 1332576 cum/year and domestic water demand is 95040 cum/year. Water demand is being fulfilled by mine discharge water.

Choice of mining method:

Considering the geo-mining conditions of proposed Jharkhand-Laiyo (Phase-I) OCP viz:

Moderate Gradient of seam floor,

Occurrence of multiple seams with variable thickness

The method of mining proposed to extract coal and OB in Jharkhand-Laiyo (Phase-I) OCP will be open cast mining using shovel-dumper combination with inclined slicing of mining system.

Employment Generation:

Jharkhand-Laiyo (Phase-I) OCP will be a major source of direct and indirect employment for nearby villagers in buffer zone. It is expected to generate employment for 568 people.

Land Requirement:

The total project area of Jharkhand-Laiyo (Phase-I) OCP is 147.38 Ha.

The proposed land use during mining is as given below:-



Sl. No	Land use During Mining		Post Mining Land use Plan	
	Particulars	Area (Ha.)	Particulars	Area (Ha.)
1	Quarry	30.80	Quarry left for future extension of the project	30.80
2	Old Internal Dump	67.58	Plantation over old dump area	15.24
			Old dump left for future extension of the project	52.34
3	Infrastructure including stockyard, road	9.98	Infrastructure left for future use in extension of the project	9.98
4	Safety Zone and Greenbelt	8.19	Plantation on Safety Zone & Greenbelt	8.19
5	Undisturbed Land	30.83	Undisturbed Land	30.83
Total Project Area		147.38	Total Project Area	147.38

LAND DETAILS :

Lease Area/Project Area: -147.38 Ha.

Anchal Name: Mandu, Thana: Mandu, Village: Laiyo, Thana No.: 162

Khata No.: -3, 4,15,101,129,130

PLOT No.: -

Laiyo:1873, 1874, 1875, 1876, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 2048, 2051, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2129, 2129, 2130, 2131, 2509

Sl. No	Village	Khata No	Plot No.	Total project in
1	Laiyo	15	1873	0.13
2	Laiyo	15	1874	0.13
3	Laiyo	5	1875	0.22
4	Laiyo	129	1876	9.03

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5	Laiyo	5	1899	0.16
6	Laiyo	5	1900	0.12
7	Laiyo	5	1901	0.38
8	Laiyo	129	1902	79.62
9	Laiyo	3	1903	0.13
10	Laiyo	5	1904	0.41
11	Laiyo	15	1905	0.04
12	Laiyo	15	1906	0.04
13	Laiyo	5	1907	0.1
14	Laiyo	15	1908	0.28
15	Laiyo	5	1909	0.59
16	Laiyo	129	1910	60.36
17	Laiyo	129	2048	52.03
18	Laiyo	101	2051	0.74
19	Laiyo	101	2057	0.01
20	Laiyo	101	2058	0.03
21	Laiyo	101	2059	2.53
22	Laiyo	101	2060	0.09
23	Laiyo	101	2061	1.17
24	Laiyo	101	2062	1.28
25	Laiyo	101	2063	0.32
26	Laiyo	101	2064	1.61
27	Laiyo	101	2065	1
28	Laiyo	101	2066	1.73
29	Laiyo	101	2067	1.6

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1.6

30	Laiyo	129	2068	15.15
31	Laiyo	101	2069	1.80
32	Laiyo	101	2070	0.22
33	Laiyo	101	2071	0.33
34	Laiyo	129	2072	2.60
35	Laiyo	129	2120	49.23
36	Laiyo	101	2121	2.64
37	Laiyo	101	2122	1.21
38	Laiyo	101	2123	0.3
39	Laiyo	101	2124	0.1
40	Laiyo	101	2125	3.84
41	Laiyo	101	2126	0.15
42	Laiyo	101	2127	0.08
43	Laiyo	101	2128	0.3
44	Laiyo	101	2129	2.08
45	Laiyo	101	2130	0.34
46	Laiyo	129	2131	53.89
47	Laiyo	130	2509	14.03
Total (Ha)				147.38

Break up of type of land:-

Type of Land	Area in Ha.
Forest Land and GMJJ	140.92
Non Forest Land	6.46

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The coal production from Jharkhand Expansion OCP was as given below: -

Year	Jharkhand Expansion OCP Coal Prod.(M.te)
2016-17	1.735
2017-18	1.305
2018-19	1.302
2019-20	0.914
2020-21	0.962
2021-22	0.501
2022-23 up to Dec-22	0.238

Jharkhand-Laiyo (Phase-I) OCP: Details of Mineable Reserves and OB Removal:

Year	Coal Production (MT)	OB Removal (Mcum)	Stripping Ratio (cum/te)
1	0.50	1.76	4.73
2	1.0	4.33	
3	1.00	5.55	
4	0.20	1.12	
TOTAL	2.70	12.76	

Capital Expenditure:

S. No.	Finance Head	Unit	Values
1.	Total Capital Investment (as on 31.03.2022)	Rs. crores	148.88
2.	Cost of Production at 100% production level (2021-22)	Rs. / tonne	3006.37
3.	Average selling price(21-22)	Rs. / tonne	3120
4.	Profit/Loss at 100% production level(21-22)	Rs. / tonne	113.63

Cost of environmental cost measures will be detailed in EIA EMP report as per requirement and detailed study.

STATUTORY CLEARANCES:

1	LOI/Lease docs	:	Land has been Acquired under Coal Bearing Areas (Acquisition and Development) Act, 1957.
2	CO Certificate	:	The CO, Mandu (Ramgarh) vide letter no. 1396, dated 18.08.2022 has mentioned the plot nos. of the project is recorded as "Jungle Jhari" in R.S. Khatyan & Register II.

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3	DFO Territorial Certificate	:	DFO, Ramgarh vide letter no. 2095, dated 22.10.2022 certified that the distance of demarcated forest is Zeor (0) m from project site.			
4	DFO Wild Life Certificate	:	DFO, Wildlife Hazaribagh vide letter no. 2318, dated 20.11.2022 certified that the proposed project site is outside of Eco Sensitive Zone of Hazaribagh Wildlife Sanctuary.			
5	Forest Clearance	:	FC granted Area (in Ha.)	Forest Land included in proposal	Ref. No.	Status
			96.28	70.29	8-52/2003-FCDt. 28.05.2004	Stage-II
			57.94	38.50	8-52/93-FC dated 27.03.1997	Stage-II
			6.59	6.59	8-52/2003-FC(Vol I)Dt.08.03.2013	Stage-II
			78.59	25.55	8-71/2003-FC 20.04.2004	Stage-I
				140.92		
6	Mine Plan Approval	:	Ref No.: - CS/BM/524/2023/19, Dated: - 07.02.2023.			
7	Previous EC	:	Previous EC granted by MoEF&CC, Govt. of India vide letter no. 11015/03/2015-IA.II(M) dated 08.02.2017			
8	Consent to Establish (CTE)	:	CTE issued by JSPCB vide Ref. no. JSPCB/HO/RNC/CTE-7399605/2020/374, dated 29.09.2020.			
8	Consent to Operate (CTO)	:	CTO issued by JSPCB vide Ref. no. JSPCB/HO/RNC/CTO-14052414/2023/296, dated 08.02.2023.			

SEAC, Jharkhand has suggested the ToRs in its 104th meeting held on 22nd, 23rd, 24th, 25th and 26th May, 2023 for undertaking detailed EIA / EMP study and SEIAA, Jharkhand has approved the ToRs in its 105th meeting held on 28th & 29th May, 2023. The SEAC has recommended following project specific conditions:-

The TORs prescribed for undertaking detailed EIA study are as follows:

1. Public Hearing is to be conducted as per EIA notification, 2006.

2. The Project Authorities must ensure Offset of conventional energy requirement of not less than 2% by installation of solar panel. Overall conservation of not less than 20% is to be ensured by use of efficient energy measures.
3. The EIA Report shall be prepared MTPA rated capacity in an ML / project area of ha based on the generic structure specified in Appendix III of the EIA Notification, 2006.
4. An EIA-EMP Report would be prepared for MTPA rated capacity to cover the impacts and management plan for the project specific activities on the environment of the region, and the environmental quality encompassing air, water, land, biotic community, etc. through collection of data and information, generation of data on impacts including prediction modeling for MTPA of coal production based on approved project/Mining Plan for MTPA. Baseline data collection can be for any season except monsoon.
5. A map specifying locations of the State, District and Project location should be provided.
6. A Study area map of the core zone and 10 km area of the buffer zone (1: 50,000 scale) clearly delineating the major topographical features such as the land use, surface drainage pattern including rivers/streams/nullahs/canals, locations of human habitations, major constructions including railways, roads, pipelines, major industries/mines and other polluting sources. In case of ecologically sensitive areas such as Biosphere Reserves/National Parks/WL Sanctuaries/ Elephant Reserves, forests (Reserved/Protected), migratory corridors of fauna, and areas where endangered fauna and plants of medicinal and economic importance found in the 15 km study area should be given.
7. Land use map (1: 50,000 scale) based on a recent satellite imagery of the study area may also be provided with explanatory note on the land use.
8. Map showing the core zone delineating the agricultural land (irrigated and un-irrigated, uncultivable land as defined in the revenue records, forest areas (as per records), along with other physical features such as water bodies, etc should be furnished.
9. A contour map showing the area drainage of the core zone and 25 km of the study area (where the water courses of the core zone ultimately join the major rivers/streams outside the lease/project area) should also be clearly indicated in the separate map.
10. A detailed Site plan of the mine showing the proposed break-up of the land for mining operations such as the quarry area, OB dumps, green belt, safety zone, buildings, infrastructure, CHP, ETP, Stockyard, township/colony (within and adjacent to the ML), undisturbed area -if any, and landscape features such as existing roads, drains/natural water bodies to be left undisturbed along with any natural drainage adjoining the lease /project areas, and modification thereof in terms of construction of embankments/bunds, proposed diversion/re-channelling of the water courses, etc., approach roads, major haul roads, etc should be indicated.



11. In case of any proposed diversion of nallah/canal/river, the proposed route of diversion /modification of drainage and their realignment, construction of embankment etc. should also be shown on the map as per the approval of Irrigation and Flood Control Department of the concerned state.
12. Similarly if the project involves diversion of any road/railway line passing through the ML/project area, the proposed route of diversion and its realignment should be shown in the map.
13. Break up of lease/project area as per different land uses and their stage of acquisition should be provided.

Land use details for opencast project should be given as per the following table :

S. N.	Land use	Within ML area	Outside ML area	Total
1.	Agricultural land			
2.	Forest land			
3.	Wasteland			
4.	Grazing land			
5.	Surface water bodies			
6.	Settlements			
7.	Others (specify)			

14. Break-up of lease/project area as per mining operations should be provided.
15. Impact of changes in the land use due to the project, if much of the land being acquired is predominantly agricultural land/forestland/grazing land.
16. One-season (non-monsoon) primary baseline data on environmental quality - air (PM10, PM2.5, SOx, NOx and heavy metals such as Hg, Pb, Cr, As, etc), noise, water (surface and groundwater), soil - along with one-season met data coinciding with the same season for AAQ collection period should be provided.
17. Map of the study area (1: 50, 000 scale) (core and buffer zone clearly delineating the location of various sampling stations superimposed with location of habitats, other industries/mines, polluting sources should be provided. The number and location of the stations in both core and buffer zones should be selected on the basis of size of lease/project area, the proposed impacts in the downwind (air)/downstream (surface water)/groundwater regime (based on flow). One station should be in the upwind/upstream/non-impact/non-polluting area as a control station. The monitoring should be as per CPCB guidelines and parameters for water testing for both ground water and surface water as per ISI standards and CPCB classification wherever applicable. Values should be provided based on desirable limits.
18. Study on the existing flora and fauna in the study area (10km) should be carried out by an institution of relevant discipline. The list of flora and fauna duly authenticated separately for the core and study area and a statement clearly specifying whether the study area forms a part of the migratory corridor of any endangered fauna should be given. If the







study area has endangered flora fauna and, or if the area is occasionally visited or used as a habitat by Schedule-I fauna, or if the project falls within 15 km of an ecologically sensitive area, or used as a migratory corridor then a Comprehensive Conservation Plan should be prepared and submitted with EIA-EMP Report; and comments from the CWLW of the State Govt. should also be obtained and furnished.

19. Details of mineral reserves, geological status of the study area and the seams to be worked, ultimate working depth and progressive stage-wise working scheme until the end of mine life should be provided on the basis of the approved rated capacity and calendar plans of production from the approved Mining Plan. Geological maps and sections should be included.
20. Details of mining methods, technology, equipment to be used, etc., rationale for selection of specified technology and equipment proposed to be used vis-à-vis the potential impacts should be provided.
21. Impact of mining on hydrology, modification of natural drainage, diversion and channeling of the existing rivers/water courses flowing through the ML and adjoining the lease/project and the impact on the existing users and impacts of mining operations thereon.
22. Detailed water balance along with flow chart should be provided. The break-up of water requirement for the various mine operations should be given separately.
23. Source of water for use in mine, sanction of the competent authority in the State Govt. and impacts vis-à-vis the competing users should be given.
24. Impact of mining and water abstraction use in mine on the hydrogeology and groundwater regime within the core zone and 10 km buffer zone including long-term monitoring measures should be provided. Details of rainwater harvesting and measures for recharge of groundwater should be reflected in case there is a declining trend of groundwater availability and/or if the area falls within dark/grey zone.
25. Impact of blasting, noise and vibrations should be given.
26. Impacts of mining on the AAQ and predictions based on modeling using the ISCST-3 (Revised) or latest model should be provided.
27. Impacts of mineral transportation within the mining area and outside the lease/project along with flow-chart indicating the specific areas generating fugitive emissions should be provided. Impacts of transportation, handling, transfer of mineral and waste on air quality, generation of effluents from workshop, management plan for maintenance of HEMM, machinery, equipment should be given. Details of various facilities such as rest areas and canteen for workers and effluents/pollution load emanating from these activities should also be provided.
28. Effort be made to reduce/eliminate road transport of coal inside and outside mine and for mechanized loading of coal through CHP / Silo entirely wagons and into trucks / tippers.

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29. Details of waste OB and topsoil generated as per the approved calendar programme, and their management shown in figures as well explanatory notes tables giving progressive development and mine closure plan, green belt development, backfilling programme and conceptual post mining land use should be given. OB dump heights and terracing based on slope stability studies with a max of 28o angle as the ultimate slope should be given. Sections of final dumps (both longitudinal and cross section) with relation to the adjacent area should be shown.
30. Efforts be made for maximizing progressive internal dumping of O.B., sequential mining , external dump on coal bearing area and later rehandling into the mine void.--to reduce land degradation.
31. Impact of change in land use from mining operations and wether the land can be restored to agriculture use post mining.
32. Progressive Green belt and Ecological restoration /afforestation plan (both in text, figures and in the tabular form as per the format of MOEF&CC given below) and selection of species (native) based on original survey/land use should be given.
33. Conceptual Final Mine Closure Plan and post mining land use and restoration of land/habitat to the status of pre- mining should be provided. A Plan for the ecological restoration of the mined out area and post mining land use should be prepared with detailed cost provisions. Impact and management of wastes and issues of rehandling (wherever applicable) and backfilling and progressive mine closure and reclamation should be detailed.

Table 3 : Post-Mining land use pattern of ML / Project area (ha)

Land use during mining	Land use (ha)				
External OB dump	Plantation	Water body	Public use	Undisturbed	Total
Top soil dump					
Excavation					
Roads					
Built up area					
Green belt					
Undisturbed area					
	Total				

34. Flow chart of water balance should be provided. Treatment of effluents from workshop, township, domestic wastewater, mine water discharge, etc. should be provided. Details of STP in colony and ETP in mine should be given. Recycling of water to the max. possible extent should be accorded ?.
35. Occupational health issues. Baseline data on the health of the population in the impact zone and measures for occupational health and safety of the personnel and manpower in the mine should be given.

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36. Risk Assessment and Disaster Preparedness and Management Plan should be provided.
37. Integration of the Environmental Management Plan with measures for minimizing use of natural resources - water, land, energy, etc. should be carried out.
38. Cost of EMP (capital and recurring) should be included in the project cost and for progressive and final mine closure plan.
39. Details of R&R. Detailed project specific R&R Plan with data on the existing socio-economic status of the population (including tribals, SC/ST, BPL families) found in the study area and broad plan for resettlement of the displaced population, site for the resettlement colony, alternate livelihood concerns/employment for the displaced people, civic and housing amenities being offered, etc and costs along with the schedule of the implementation of the R&R Plan should be given.
40. CSR Plan along with details of villages and specific budgetary provisions (capital and recurring) for specific activities over the life of the project should be given.
41. Corporate Environment Responsibility:
 - a) The Company must have a well laid down Environment Policy approved by the Board of Directors.
 - b) The Environment Policy must prescribe for standard operating process/procedures to bring into focus any infringements/deviation/violation of the environmental or forest norms/conditions.
 - c) The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions must be furnished.
 - d) To have proper checks and balances, the company should have a well laid down system of reporting of non-compliances/violations of environmental norms to the Board of Directors of the company and/or shareholders or stakeholders at large.
42. Details on Public Hearing should cover the information relating to notices issued in the newspaper, proceedings/minutes of public hearing, the points raised by the general public and commitments made by the proponent and the action proposed with budgets in suitable time frame. These details should be presented in a tabular form. If the Public Hearing is in the regional language, an authenticated English Translation of the same should be provided.
43. In built mechanism of self-monitoring of compliance of environmental regulations should be indicated.
44. Status of any litigations/ court cases filed/pending on the project should be provided.



45. Submission of sample test analysis of Characteristics of coal: This should include details on grade of coal and other characteristics such as ash content, S and heavy metals including levels of Hg, As, Pb, Cr etc.
46. Copy of clearances/approvals such as Forestry clearances, Mining Plan Approval, mine closer plan approval, NOC from Flood and Irrigation Dept. (if req.), etc. wherever applicable.

Details on the Forest Clearance should be given as per the format given :

Total ML / Project area (ha)	Total forest land (ha)	Date of FC	Extent of forest land	Balance area for which FC is yet to be obtained	Status of application for diversion of forest land

47. Besides the above, the below mentioned general points should also be followed:-
 - a) A note confirming compliance of the TOR, with cross referencing of the relevant sections / pages of the EIA report should be provided.
 - b) All documents may be properly referenced with index and continuous page numbering.
 - c) Where data are presented in the report especially in tables, the period in which the data were collected and the sources should be indicated.
 - d) Where the documents provided are in a language other than English, an English translation should be provided.
 - e) The Questionnaire for environmental appraisal of mining projects as prescribed by the Ministry shall also be filled and submitted.
 - f) Approved mine plan along with copy of the approval letter for the proposed capacity should also be submitted.
 - g) While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MoEF vide O.M. No. J-11013 /41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry should also be followed.
 - h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the F.R for securing the TOR) should be brought to the





attention of SEIAA, Jharkhand with reasons for such changes and permission should be sought, as the TOR may also have to be altered.

The EIA report should also include

1. Surface plan of the area indicating Contours of main topographic features, drainage and mining area.
 2. Geological maps and sections and
 3. Sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.
48. After preparing the draft EIA (as per the generic structure prescribed in Appendix- III of the EIA Notification, 2006) covering the above mentioned issues, the proponent will get the public hearing conducted and take further necessary action for obtaining environmental clearance in accordance with the procedure prescribed under the EIA Notification, 2006.
49. The Prescribed ToRs is valid as per O.M. F. No. IA3-22/10/2022-IA.III[E177258], dated 08.06.2022 of MoEF & CC, Govt. of India.

Sd/-


Member Secretary
State Level Environment Impact
Assessment Authority, Jharkhand.

Memo No : **EC/SEIAA/2022-23/2760/2023/ 119**

Ranchi, Date : **08/06/2023**

Copy to:

1. Member Secretary, Jharkhand State Pollution Control Board, Ranchi for information and necessary action.
2. Secretary, SEAC, Jharkhand, Ranchi for information and necessary action.


Member Secretary
State Level Environment Impact
Assessment Authority, Jharkhand.
