



**CENTRAL COALFIELDS LIMITED  
AMRAPALI & CHANDRAGUPTAREA  
AKASHDEEP BUILDING  
P.O – DAKRA, RANCHI, JHARKHAND**



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**Undertaking for Environmental Clearance**

CCL undertakes that, Environmental Clearance will be submitted once it received by MoEFCC, New Delhi, Govt. of India. The TOR (Terms of Reference) for Environmental Clearance with Respect to Chandragupt OCP, Amrapali-Chandragupt Area, CCL has granted vide letter no IA-J-11015/43/2021-IA-II(M) dated 13.09.2021. Environmental Clearance shall be submitted before the grant of Forest Clearance Stage II.

**Manger/Nodal officer  
(Chandragupt OCP)  
Amrapali-Chandragupt Area, CCL**

**IA-J-11015/43/2021-IA- II(M)]**  
Government of India  
Ministry of Environment, Forest and Climate Change  
(Impact Assessment Division)

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Indira Paryavaran Bhawan,  
Jorbagh Road, N Delhi – 3  
Email: lk.bokolia@nic.in Tel: 01124695363

**Dated: 13<sup>th</sup> September, 2021**

**To,**

The Head of Department (Environment & Forest),  
M/s Central Coalfields Limited,  
Darbhanga House,  
**Ranchi** - 834029 (Jharkhand)  
Email: [envccl@yahoo.com](mailto:envccl@yahoo.com)

**Sub: Chandragupta Opencast Coal mine for production capacity of 15 / 20 MTPA (Normative/Peak) in mine lease area of 1495 Ha by M/s Central Coalfield Ltd located at Village Badhaikhap, Bukru, Chatti-Bariyatu, Jordag, Nawakhap, Pachra/Pachanda, Peto, Sijhua in District Hazaribagh and in Village Ursu, District Chatra (Jharkhand) - For Terms of Reference – reg.**

Sir,

This has reference to your Online Proposal No. IA/JH/CMIN/208302/2021 dated 27<sup>th</sup> July, 2021 on the above-mentioned subject.

2. The Ministry of Environment, Forest and Climate Change has considered the proposal for grant of Terms of Reference to Chandragupta Opencast Coal mine for production capacity of 15 / 20 MTPA (Normative/Peak) in mine lease area of 1495 Ha by M/s Central Coalfield Ltd located at Village Badhaikhap, Bukru, Chatti-Bariyatu, Jordag, Nawakhap, Pachra/Pachanda, Peto, Sijhua in District Hazaribagh and in Village Ursu, District Chatra (Jharkhand).

3. The proposal was considered by the sectoral Expert Appraisal Committee (EAC) in the Ministry in its 17<sup>th</sup> EAC meeting held on 9-10 August, 2021 through Video Conferencing. The details of the project, as per the documents submitted by the project proponent, and also as informed during the meeting, are reported to be as under: -

- (i) The block is covered in Survey of India Topo-sheet no. 73A/13 & 73E/1 and is bounded by the geographical coordinates ranging from 23° 51' 30" N to 23° 54' 45" N latitude and 85° 01' 15" E to 85° 03' 15" E longitude.
- (ii) Coal linkage of the project is proposed for generation of Energy Sector for various customers through Basket linkage.
- (iii) Project does not fall in the Critically Polluted Area (CPA), where the MoEF&CC vide its OM dated 13th January 2010 has imposed moratorium on grant of environment clearance.
- (iv) Employment generation: The project has given a boost to the economy of the area by providing primary and secondary employment to local people. Total number of direct employment is approximately 1,247.

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- (v) The project is reported to be beneficial in terms of improvements in Physical Infrastructure; Improvements in Social Infrastructure; Increase in Employment Potential; Contribution to the Exchequer; Meet energy and steel sector requirement; Productive utilization of existing manpower of project.
- (vi) Total project area as per block allotment is 1495 Ha. Project Report has been approved by the 408<sup>th</sup> Board meeting of CIL held on 04.08.2020.
- (vii) The land usage pattern of the project is as follows:

Pre-mining land use details:

S.No	Particular	Forest Land	Non-Forest Land	Total Area (in Ha.)
1	Quarry	629.29	703.86	1333.15
2	CHP	9.3	5.52	14.82
3	Infrastructure (W/S,S/S etc.)	13.94	2.3	16.24
4	Road	4.38	14.2	18.58
5	Stream Diversion	0.14	1.52	1.66
6	Embankment & Greenbelt	2.61	13.82	16.43
7	Green Belt	36.82	44.08	80.9
8	Water body	0	10.32	10.32
9	Safety Zone	2.9	0	2.9
<b>Total Area</b>		<b>699.38</b>	<b>795.62</b>	<b>1495</b>

Post-mining land use details:

S.No.	Particular	Plantation	Water Body	Public Use	Total
1	Quarry	1299.56	33.59	0	1333.15
2	CHP	14.82	0	0	14.82
3	Infrastructure	0	0	16.24	16.24
4	Road	0	0	18.58	18.58
5	Stream Diversion	0	1.66	0	1.66
6	Embankment & Greenbelt	16.43	0	0	16.43
7	Green Belt	80.90	0	0	80.90
8	Water body	0	10.32	0	10.32
9	Safety Zone	2.90	0	0	2.90
<b>Total Area</b>		<b>1414.61</b>	<b>45.57</b>	<b>34.82</b>	<b>1495</b>

- (viii) Total geological reserve reported in the block area is 709.26 Million Tes with 527.30 Million Tes mineable reserve. Out of the total 527.30 Million Tes mineable reserve, 527.30 Million Tes is available for extraction. Percent of extraction is 100 %.
- (ix) 10 seams with thickness ranging from 0.16 m – 14.69 m are workable. Grade of coal is G-11, stripping ratio 1.89, while seam gradient is 4° to 6°.

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- (x) The method of mining would be opencast method of mining with Surface miner and shovel-dumper combination.
- (xi) Life of mine is proposed 41 years.
- (xii) The project has 01 external OB dump planned in nearby Amrapali OCP for initial 4 years in an area of 89.16 Ha with 60 m height and 48.38 Mm<sup>3</sup> of OB. One internal OB in an area of 1299.56 Ha with 946.56 Mm<sup>3</sup> of OB is envisaged in the project.
- (xiii) Total Quarry area is 1333.15 Ha. The final mine void would be in 33.59 Ha with depth an average up to 90 m below GL. Backfilled quarry area is of 1299.56 Ha, out of which 1299.56 Ha shall be reclaimed with plantation. Final mine void will be converted into water body.
- (xiv) Transportation of coal has been proposed by dumper from mine pithead, from surface to siding by conveyor belt.
- (xv) Reclamation Plan in an area of 1414.61 Ha, comprising of 1299.56 Ha of internal dump, 14.82 Ha of Infrastructure and 100.23 Ha of green belt & safety zone.
- (xvi) 699.38 ha of forestland have been reported to be involved in the project. Application for diversion of forestland has been submitted electronically on 09.04.2021 vide Proposal No: FP/JH/MIN/140599/2021
- (xvii) No National Parks, Wildlife Sanctuaries and Eco-Sensitive Zones have been reported with 10 km boundary of the project.
- (xviii) The ground water level has been reported to be varying between 1.95 m to 10.88 m during pre-monsoon and between 1.50 m to 6.20 m during post-monsoon. Total water requirement for the project is 2782 KLD.
- (xix) Application for obtaining the approval of the Central Ground Water Authority shall be submitted after issuance of ToR.
- (xx) Barki River flows in the Western side and Chotki River within the mine boundary. It is proposed to divert Chotki River & straighten a notch of Barki River.
- (xxi) No court cases, violation cases are pending against the project of the PP.
- (xxii) The project does not involve violation of the EIA Notification, 2006 and amendment issued there under.
- (xxiii) The project involves 500 project-affected families. R&R of the PAPs will be done as per R&R Policy of CIL.
- (xxiv) Total capital cost of the project, as per approved Project Report is Rs. 973.50 Crores. Cost of Production is approximately Rs. 602.91/- per Tonne. CSR expenditure is to be 2% of avg. net profit of last 3 years or Rs 2 per tonne of Coal production in last FY. The R&R cost is 55.04 Crores. Environment Management Cost is approximately Rs. 29.74 Crores.

4. The Expert Appraisal Committee in its 17<sup>th</sup> EAC meeting held on 9-10 August, 2021 through Video Conferencing has recommended the proposal for grant of Terms of References (ToR). Based on the recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby grants approval to the Terms of References for **Chandragupta Opencast Coal mine for production capacity of 15 / 20 MTPA (Normative/Peak) in mine lease area of 1495 Ha by M/s Central Coalfield Ltd located at Village Badhaikhap, Bukru, Chatti-Bariyatu, Jordag, Nawakhap, Pachra/Pachanda, Peto, Sijhua in District Hazaribagh and in Village Ursu, District Chatra (Jharkhand)**, for preparation of EIA/EMP reports with public consultations, under the provisions of the Environment Impact Assessment Notification, 2006 and subsequent amendments/circulars thereto, subject to the compliance of the following terms and conditions as specified/notified in the standard ToR applicable for opencast coal mines, along with the additional conditions as under:-

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- (i) PP shall prepare Mine Plan and sequence of mining such that no diversion of river or stream will be carried out for initial 10 years from the grant of EC.
- (ii) All non-essential infrastructure proposed on forest land shall be shifted to non-forest area.
- (iii) PP shall submit Stage –I Forest Clearance for diversion of forest land for non-forestry activity.
- (iv) PP should submit the real time aerial footage and video of the Mining lease area made through drone with a special focus on the area adjacent to the Barki River
- (v) PP shall prepare a Damage assessment i.e. augmentation report on Natural resources including the carrying capacity of river and stream passing by with its catchment area, its mitigation measures.
- (vi) Public Consultation, including public hearing, shall be conducted through concerned SPCB as per the provisions/procedure contained in the EIA Notification, 2006 for information of the stakeholders about the present coal mining operations inviting comments and their redressal.
- (vii) Cumulative Impact Assessment Study of the area shall be carried over by project proponent
- (viii) Clarification from PCCF that mine does not fall under corridors of any National Park and Wildlife Sanctuary and does not involve any violation of forest area and wild sanctuary.
- (ix) PP shall explore the possibilities of utilization of OB material for different purposes (in construction of roads, manufacture of artificial sand, aggregates, use for farmers etc.) and accordingly Plan shall be included in EIA/EMP Report.
- (x) PP shall submit design details of all Air Pollution control equipment (APCEs) to be implemented as part of Environment Management Plan vis-à-vis reduction in concentration of emission for each APCEs.
- (xi) Inpit conveyor belt with silo loading should be proposed and installed for transportation of coal till railway siding. No transportation of coal by trucks/dumpers shall be proposed in EIA/EMP.
- (xii) Wind rose pattern in the area should be reviewed and accordingly location of AAQMS shall be planned by the collection of air quality data. Monitoring location for collecting baseline data should cover overall the 10 km buffer zone i.e. dispersed in 10 km buffer area.
- (xiii) Project proponent to prepare Environmental Cost Benefit Analysis for the project in EIA/EMP Report.
- (xiv) PP shall provide the details of mining technology/methodology proposed to be adopted for coal mining operations and its associated environmental benefits of using from Climate Change perspective.
- (xv) Detailed Social Impact Assessment shall be prepared in villages for Rehabilitation and Re-settlement. R &R Activity as approved by State Government shall be submitted and action plan shall be proposed with timeline and allotted fund.
- (xvi) Heavy metals, pH, color including other parameters in surface water quality in upstream and downstream of konar river shall be analyzed and provided in EIA Report. Further, detailed mineralogical and chemical composition of the mineral and percentage of free silica from a NABL/MoEF&CC accredited laboratory

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- (xvii) PP shall be submitting R & R in respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programs prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government.
- (xviii) PP should clearly bring out that what is the specific diesel consumption ~ (Liters/Tonne of total excavation & mineral) and steps to be taken for reduction of the same. Year-wise target for reduction in the specific diesel consumption needs to be submitted.
- (xix) PP shall provide provision of integrated mine plan and mine reclamation cum land form / land scape plan for open cast coal mining projects. The plan must show the predicted post mining reclaimed and reformed surface by regarding and reshaping to reduce its height as close to the original surface level and proper sloping benching and terracing of external dump should be clearly brought out in the post mine closure plan. This would also include water management strategies such as surface water catchment and drainage paths etc. of post mining land surface.
- (xx) PP shall propose to use LNG/CNG based mining machineries and trucks for mining operation and transportation of coal
- (xxi) Description of water conservation measures proposed to be adopted in the Project should be given.
- (xxii) Details of toe wall and garland drain to be constructed along the OB dump.
- (xxiii) Reclamation to be done using geo-texturing technique of the dumps close to habitation and a cause of visual intrusion.
- (xxiv) Details of water spraying (static water sprinklers) at coal stock yard and along the permanent haul road.
- (xxv) Details of black topping of permanent haul roads.
- (xxvi) The PP should submit the photograph of monitoring stations & sampling locations. The photograph should bear the date, time, latitude & longitude of the monitoring station/sampling location. In addition to this PP should submit the original test reports and certificates of the labs which will analyse the samples
- (xxvii) PP should bring out the awareness campaign to be carried out on various Environmental issues, practical training facility to be provided to the environmental engineer/diploma holders, mining engineer/diploma holders, geologists, and other trades related to mining operations. Target for the same needs to be submitted.
- (xxviii) PP shall submit the details of input parameters indicating the sources of fugitive dust emissions, and a flowchart showing the various mining activities considered for modelling of air quality

**4.1.** This grant of Terms of References (ToR) for the said project is further subject to the general conditions as under

- (i) All documents should be properly indexed, page numbered.
- (ii) Period/date of data collection should be clearly indicated.
- (iii) Authenticated English translation of all material provided in Regional languages.
- (iv) After the preparation of the draft EIA-EMP Report as per the aforesaid TOR, the proponent shall get the Public Hearing conducted as prescribed in the EIA Notification 2006 and take necessary action for obtaining environmental clearance under the provisions of the EIA Notification 2006.

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- (v) The letter/application for EC should quote the Ministry's file No. and also attach a copy of the letter prescribing the ToR.
- (vi) The copy of the letter received from the Ministry on the ToR prescribed for the project should be attached as an annexure to the final EIA-EMP Report.
- (vii) General Instructions for the preparation and presentation before the EAC of ToR/EC projects of Coal Sector should be incorporated/followed.
- (viii) The aforesaid ToR has a validity of **Four** years only.
- (ix) Grant of ToR does not necessarily mean grant of EC.
- (x) Grant of ToR to the present project does not necessarily mean grant of TOR/EC to the captive/linked project.
- (xi) Grant of ToR to the present project does not necessarily mean grant of approvals under the Forest (Conservation) Act, 1980 or the Wildlife (Protection) Act, 1972.
- (xii) Grant of EC is also subject to circulars issued under the EIA Notification 2006, which are available on the Ministry's website: [www.envfor.nic.in](http://www.envfor.nic.in)

**5. Standard ToR:** The EIA/EMP report should contain the information in accordance with provisions & stipulations as given in the standard ToR for Underground coal mine projects (please visit the following link to download the Standard ToR:

<http://environmentclearance.nic.in/writereaddata/standardtorreference.pdf>

**6.** You are required to submit the final EIA/EMP prepared as per TORs to the Ministry within 4 years as per this Ministry's Notification vide S.O 751 (E) dated 17<sup>th</sup> February, 2020 for considering the proposal for environmental clearance.

**7.** The consultants involved in the preparation of EIA/EMP report after accreditation with Quality Council of India/National Accreditation Board of Education and Training (QCI/NABET) would need to include a certificate in this regard in the EIA/EMP reports prepared by them and data provided by other organization(s)/laboratories including their status of approvals etc. vide Notification of the MoEF dated 19<sup>th</sup> July, 2013.

  
(Lalit Bokolia)  
Director

**Copy to:**

1. The Secretary, Ministry of Coal, Shastri Bhawan, New Delhi
2. The Secretary, Department of Environment & Forests, Government of Jharkhand, Secretariat, Ranchi
3. The Additional Principal Chief Conservator of Forests, Regional office (ECZ), Ministry of Environment & Forests, Bungalow No. A-2, Shyamali Colony, Ranchi - 834002
4. The Member Secretary, Jharkhand State Pollution Control Board, TA Building, HEC Complex, PO Dhurwa, Ranchi
5. The Member Secretary, Central Pollution Control Board, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32
6. The District Collector, Ramgarh and Ranchi, Government of Jharkhand
7. Monitoring File/Guard File/Record File.

  
(Lalit Bokolia)  
Director



**A. Generic TOR for an opencast / UG coalmine project**

- (i) An EIA-EMP Report should be prepared for a peak capacity of ..... MTPA over an area of ..... ha addressing the impacts of the underground coalmine project including the aspects of mineral transportation and issues of impacts on hydrogeology, plan for conservation of flora/fauna and afforestation/plantation programme based on the generic structure specified in Appendix III of the EIA Notification 2006. Baseline data collection can be for any season except monsoon.
- (ii) The EIA-EMP report should also cover the impacts and management plan for the project specific activities on the environment of the region, and the environmental quality – air, water, land, biotic community, etc. through collection of baseline data and information, generation of baseline data on impacts for ..... MTPA of coal production based on approval of project/Mining Plan.
- (iii) A Study area map of the core zone and 10km area of the buffer zone (15 km of the buffer zone in case of ecologically sensitive areas) delineating the major topographical features such as the land use, drainage, locations of habitats, major construction including railways, roads, pipelines, major industries/mines and other polluting sources, which shall also indicate the migratory corridors of fauna, if any and the areas where endangered fauna and plants of medicinal and economic importance are found in the area.
- (iv) Map showing the core zone along with 3-5 km of the buffer zone) delineating the agricultural land (irrigated and unirrigated, uncultivable land (as defined in the revenue records), forest areas (as per records) and grazing land and wasteland and water bodies.
- (v) Contour map at 3m interval along with Site plan of the mine (lease/project area with about 3-5 km of the buffer zone) showing the various surface structures such as buildings, infrastructure, CHP, ETP, Stockyard, township/colony (within/adjacent to the ML), green belt and undisturbed area and if any existing roads, drains/natural water bodies are to be left undisturbed along with details of natural drainage adjoining the lease/project and modification of thereof in terms of construction of embankments/bunds, proposed diversion/rechannelling of the water courses, etc., highways, passing through the lease/project area.
- (vi) Original land use (agricultural land/forestland/grazing land/wasteland/water bodies) of the area. Impacts of project, if any on the landuse, in particular, agricultural land/forestland/grazing land/water bodies falling within the lease/project and acquired for mining operations. Extent of area under surface rights and under mining rights.

S.N.	ML/Project Land use	Area under Surface Rights (ha)	Area Under Mining Rights (ha)	Area under Both (ha)
1.	Agricultural land			
2.	Forest Land			
3.	Grazing Land			
4.	Settlements			
5.	Others (specify)			

Area Under Surface Rights





S.N.	Details	Area (ha)	Forest Land	Agr. land	Wasteland	Settlements	Others
1.	Buildings						
2.	Infrastructure						
3.	Roads						
4.	Others (specify)						
	TOTAL						

- (vii) Study on the existing flora and fauna in the study area carried out by an institution of relevant discipline and the list of flora and fauna duly authenticated separately for the core and buffer zone and a statement clearly specifying whether the study area forms a part of the migratory corridor of any endangered fauna. The flora and fauna details should be furnished separately for the core zone and buffer zone. The report and the list should be authenticated by the concerned institution carrying out the study and the names of the species scientific and common names) along with the classification under the Wild Life Protection Act, 1972 should be furnished.
- (viii) Details of mineral reserves, geological status of the study area and the seams to be worked, ultimate working depth and progressive stage-wise working plan/scheme until end of mine life should be reflected on the basis of the approved rated capacity and calendar plans of production from the approved Mining Plan. Geological maps should also be included.
- (ix) Impact of mining on hydrology, modification of natural drainage, diversion and channelling 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.
- (x) Collection of one-season (non-monsoon) primary baseline data on environmental quality – air (PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>x</sub>, NO<sub>x</sub> and heavy metals such as Hg, Pb, Cr, AS, etc), noise, water (surface and groundwater), soil along with one-season met data.
- (xi) Map of the study area (core and buffer zone) clearly delineating the location of various monitoring stations (air/water/soil and noise – each shown separately) superimposed with location of habitats, wind roses, other industries/mines, polluting sources. The number and location of the stations should be selected on the basis of the proposed impacts in the downwind/downstream/groundwater regime. One station should be in the upwind/upstream/non-impact non-polluting area as a control station. Wind roses to determine air pollutant dispersion and impacts thereof shall be determined. Monitoring should be as per CPCB guidelines and standards for air, water, noise notified under Environment Protection Rules. Parameters for water testing for both ground and surface water should be as per ISI standards and CPCB classification of surface water wherever applicable.
- (xii) Impact of mining and water abstraction and mine water discharge in mine on the hydrogeology and groundwater regime within the core zone and 10km buffer zone including long-term modelling studies on the impact of mining on the groundwater regime. Details of rainwater harvesting and measures for recharge of groundwater should be reflected wherever the areas are declared dark/grey from groundwater development.
- (xiii) Study on subsidence, measures for mitigation/prevention of subsidence, modelling subsidence prediction and its use during mine operation, safety issues.

*RM*

- (xiv) Detailed water balance should be provided. The breakup of water requirement as per different activities in the mining operations, including use of water for sand stowing should be given separately. 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 provided.
- (xv) Impact of choice of mining method, technology, selected use of machinery - and impact on air quality, mineral transportation, coal handling & storage/stockyard, etc, Impact of blasting, noise and vibrations.
- (xvi) Impacts of mineral transportation – within and outside the lease/project. The entire sequence of mineral production, transportation, handling, transfer and storage of mineral and waste, and their impacts on air quality should be shown in a flow chart with the specific points where fugitive emissions can arise and the specific pollution control/mitigative measures proposed to be put in place. Examine the adequacy of roads existing in the area and if new roads are proposed, the impact of their construction and use particularly if forestland is used.
- (xvii) Details of various facilities to be provided in terms of parking, rest areas, canteen, and effluents/pollution load from these activities. Examine whether existing roads are adequate to take care of the additional load of mineral and their impacts.
- (xviii) Examine the number and efficiency of mobile/static water sprinkling system along the main mineral transportation road within the mine, approach roads to the mine/stockyard/siding, and also the frequency of their use in impacting air quality.
- (xix) Impacts of CHP, if any on air and water quality. A flow chart of water use and whether the unit can be made a zero-discharge unit.
- (xx) Conceptual Final Mine Closure Plan along with the fund requirement for the detailed activities proposed there under. Impacts of change in land use for mining operations and whether the land can be restored for agricultural use post mining.

**Table 1 Stage-wise Cumulative Plantation**

S.N	YEAR*	Green Belt		External Dump		Backfilled Area		Others (Undisturbed Area / etc)		TOTAL	
		Area (ha)	No. of trees	Area (ha)	No. of Trees	Area (ha)	No. of Trees	Area (ha)	No. of Trees	Area (ha)	No. of Trees
1.	1 <sup>st</sup> year										
2.	3 <sup>rd</sup> year										
3.	5 <sup>th</sup> year										
4.	10 <sup>th</sup> yr										
5.	15 <sup>th</sup> yr										
6.	20 <sup>th</sup> yr										
7.	25 <sup>th</sup> yr										
8.	30 <sup>th</sup> yr										
9.	34 <sup>th</sup> year (end of mine life)										
10	34-37 <sup>th</sup> Year										

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(Post-mining)											
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\*As a representative example

- (xxi) 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 for the mine should be furnished.
- (xxii) Details of cost of EMP (capital and recurring) in the project cost and for final mine closure plan. The specific costs (capital and recurring) of each pollution control/mitigative measures proposed in the project until end of mine life and a statement that this is included in the project cost.
- (xxiii) Integrating in the Env. Management Plan with measures for minimising use of natural resources – water, land, energy, raw materials/mineral, etc.
- (xxiv) R&R: Detailed project specific R&R Plan with data on the existing socio-economic status (including tribals, SC/ST) of the population 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.
- (xxv) CSR Plan along with details of villages and specific budgetary provisions (capital and recurring) for specific activities over the life of the project.
- (xxvi) **Public Hearing should cover the details as specified in the EIA Notification 2006**, and include notices issued in the newspaper, proceedings/minutes of public hearing, the points raised by the general public and commitments by the proponent made 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.
- (xxvii) Status of any litigations/ court cases filed/pending in any Court/Tribunal on the project should be furnished.
- (xxxvi) Submission of sample test analysis of: Characteristics of coal - this includes grade of coal and other characteristics – ash, S and heavy metals including levels of Hg, As, Pb, Cr etc.
- (xxxviii) Copy of clearances/approvals – such as Forestry clearances, Mining Plan Approval, NOC from Flood and Irrigation Dept. (if req.), etc.

(A) Forestry Clearance

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 appl. for diversion of forestland
		If more than one, provide details of each FC			

(B)

Mining Plan / Project Approval: Date of Approval of Mining Plan/Project Approval: Copy of Letter of Approval of Mining Plan/Project Approval

(xxxviii) Corporate Environment Responsibility:

- a) The Company must have a well laid down Environment Policy approved by the Board of Directors.

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- 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.

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