



सत्यमेव जयते

File No.: J-11015/213/2010-IA.II(M)  
Government of India  
Ministry of Environment, Forest and  
Climate Change  
IA Division

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Dated 03/03/2025



To,

Sh. Ganesh Chandra Saha  
M/s Bharat Coking Coal Limited  
Koyla Bhawan, Koyla Nagar, Dhanbad, Jharkhand- 826005  
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**Subject:** Cluster – III Coal Mining Project (area 1420.61 Ha having capacity 3.6 MTPA) by M/s Bharat Coking Coal Limited, located in Jharia Coal fields, District: Dhanbad; State: Jharkhand – Grant of Amendment in EC dated 6/2/2013 by amalgamating seven mines in to single mine to enable mining with OC cum UG with Highwall Mining Method without no change in lease area and production capacity - Regarding

Sir/Madam,

This is with reference to your online application vide proposal No. IA/JH/CMIN/513800/2024 dated 26/12/2024 along with CAF (Part A, B and C) and submission of written information dated 08.02.2025 seeking for amendment in Environment Clearance accorded by the Ministry vide letter letter no. J-11015/213/2010-IA.II (M) dated 06.02.2013, under the provisions of the EIA Notification, 2006 for the project mentioned above

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC24A0605JH5149030A
(ii) File No.	J-11015/213/2010-IA.II(M)
(iii) Clearance Type	Amendment in EC
(iv) Category	A
(v) Schedule No./ Project Activity	1(a) Mining of minerals
(vi) Sector	Coal Mining
(vii) Name of Project	Cluster-III Coal Mining Project
(viii) Location of Project (District, State)	DHANBAD, JHARKHAND
(ix) Issuing Authority	MoEF&CC
(x) EC Date	06/02/2013
(xii) Applicability of General Conditions	NO
(xiii) Status of implementation of the project	

3. The proposal was considered by EAC (Coal) in its 20th meeting held during January 20-23rd, 2025. The project activity is listed at schedule no. 1(a) - Mining of minerals under Category "A" of the schedule of the EIA Notification, 2006. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed at <https://parivesh.nic.in>.

4. The instant proposal is for amendment in EC granted vide Letter no. J-11015/213/2010-IA.II (M) dated 06.02.2013, for Cluster – III Coal Mining Project (area 1420.61 ha having capacity 3.6 MTPA), located at District: Dhanbad; State: Jharkhand for amalgamating seven mines in to single mine to enable mining with OC cum UG with Highwall Mining Method without no change in lease area and production capacity.

5. Details of prior EC for which amendment is sought:

**A. Status of ECs obtained for Cluster III and its present status:**

S. No	Details of letter No	EC/Amendment EC/Validity Extension /Transfer EC	Capacity (MTPA) & Life of the mine	Area (Ha)	Date of Issuance	Status of implementation
<b>Cluster III – Public hearing held on 22/01/2012</b>						
1.	J-11015/213/2010-IA. II (M) EC in the name of Cluster III (7 mines of peak production of 3.6 MTPA in a combined ML area of 1420.61 ha) of M/s Bharat Coking Coal Ltd. Located in Jharia coalfields. 1. Jogidih Colliery 2. Maheshpur Colliery 3. South Govindpur (Closed for production) 4. Teturiya (Closed for production) 5. Govindpur Colliery 6. New Akashkinaree Mine 7. Block IV/Koordih Mixed Mine	Amendment	3.6 MTPA 30 years (UG) and 11 years (OC)	1420.61	06.02.2013	Implemented (CTO obtained under Air and water act for 3.6 MTPA capacity vide Ref no. JSPCB/HO/RNC/CTO-13958407/2022/1632 dated 23.11.2022 valid up to 30.06.2025)

**B. Details of the mines under the Cluster III EC dated 06/02/2013:**

S.No.	Name of the Mine	Type of Mine	Proposed Production Capacity (MTY)		Lease Area (Ha)	Mine Life (Years)	Status of implementation	Name of the Mine
			UG/OC	Normative				
1.	Jogidih Colliery	UG	0.2440	0.3170	167	30	Operational	CLUSTER –III
2.	Maheshpur Colliery	UG	0.0700	0.0910	292.68	30	Operational	
3.	South Govindpur Colliery	UG	Nil	Nil	182	-	Closed for Production	
4.	Teturiya Colliery	UG	Nil	Nil	123	-	Closed for Production	
5.	Govindpur Colliery	UG	0.1400	0.1820	159.55	30	Suspended for production	

6.	Block-IV/Kooridih Mixed Mine	OC	1.1000	1.4300	149	11	Operational	
		UG	0.0800	0.1040		30	Operational	
7.	New Akashkinaree Mixed mine	OC	1.0000	1.3000	347.38	11	Operational	
		UG	0.1350	0.1760		30	Suspended for Production	
TOTAL			2.769	3.600	1420.61			TOTAL

**C. Status of compliance to the existing EC conditions:** The Status of compliance of earlier EC of Cluster III was obtained from Regional Office, vide Letter No. 103-397/13/EPE/659 dated 18.10.2024 in the name of Cluster III of M/s Bharat Coking Coal Limited. The Action taken report regarding the partially/non-complied condition was submitted to Regional officer MoEF&CC by General Manager, Cluster III, Govindpur Area dated 18.11.2024.

**D. Summary of amendment sought in the EC dated 06/2/2013**

Existing Scenario					Proposed Scenario			
S. No.	Name of Project	Type	Peak Production (MTPA)	ML Area (Ha)	Name of Project	Type	Peak Production	ML Area (Ha)
1	Jogidih Colliery	UG	0.317	167.00	Cluster – III	Mixed with Highwall Mining	3.6	1420.61
2	Maheshpur Colliery	UG	0.091	292.68				
3	South Govindpur Colliery	UG	nil	182.00				
4	Teturiya Colliery	UG	nil	123.00				
5	Govindpur Colliery	UG	0.182	159.55				
6	New Akashkinaree Mixed Mine	UG	1.30	347.38				
		OC	0.176					
7	Block IV/Kooridih Mixed	OC	1.430	149.00				
		UG	<b>0.104</b>					
<b>Total</b>			<b>3.60</b> <b>(OC: 2.73 UG: 0.87)</b>	<b>1420.61</b>		<b>3.6</b> <b>(OC: 2.73 UG: 0.87)</b>	<b>1420.61</b>	

**6. Reasons for amalgamation of Cluster III (7 mines to 1 Mine):** It has been decided to combine 7 mines within Cluster III for conserving of about 60 million tonnes of Coal getting locked up in the common barrier of individual mines. To enable Opencast cum Underground with Highwall Mining Method (Blast free and Drill Free) in Cluster III without any change in EC Capacity and lease hold area. To better utilize the land and plan a more scientific quarry it is proposed to formulate a single mine by amalgamation of separate mines of Cluster III.

This amendment is sought for speedier operation at Cluster III, as it will facilitate extraction of Coal up to the Bottom Seam, will make available larger space for keeping OB, thereby reducing the requirement of re-handling of OB enabling better and speedier reclamation (technical and biological) works, the de-coaled areas will provide space for storage of OB extracted for fiery coal excavation within the cluster to implement the Master Plan approved by Govt. of India, will facilitate better utilisation of cluster EC capacity. Grant and Vesting order for Mining Lease for Cluster III has been issued by the MoC vide Mineral Concession Rules dated 01.10.2021 over an area of 1420.61 ha for the lease period up to 30.09.2071. Mining Plan and Mine Closure Plan Cluster III has been approved by BCCL Board on 15.08.2024.

**7. Salient features of proposed amalgamation**

S. No	Description	Jogidih	Maheshpur	South Govindpur Colliery	Teturiya Colliery	Govindpur Colliery	New Akashkinaree Mine	Block-IV/Koordih Mixed Mines	REMARKS (Cluster III)
A	Total Govt	117.00	203.44	182.00	123.00	133.55	322.38	149.00	

	Lease Area (Ha)	Land Private	50.00	89.24	0.00	0.00	26.00	25.00	0.00			
		Forest	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
		Total	167	292.68	182.00	123.00	159.55	347.38	149.00		Overall No Change (Merged) 1420.61 ha	
B	Production Capacity (MTPA)		0.251	0.072	Nil	Nil	0.144	1.3	0.139	1.143	0.082	Overall No change (Merged) 3.6
C.	Details of Mining											
1	Technology	UG (Board and Pillar)	UG (Board and Pillar)	Closed for production	Closed for production	UG (Board and Pillar)	Opencast Mining – Fully Mechanized with UG (Board and Pillar)	Opencast Mining – Fully Mechanized with UG (Board and Pillar)				OC plus UG
2	Reserves ( Million Tonnes )	10.50	18.82	-	-	5.95	17.00	17.396				174.43MT (+ increase by 104.76)
3	Life of Project (Yrs)	30	30	-	-	30	11	30	11	30		66 (+ increase by 36 years)
4	OB Generation (Mm3)	-	-	-	-	-	24	-	56	-		798.304 (+ increase by 718.304)
5	Ultimate working depth (m)	300	90	-	-	134	240	160				260 (+ increase by 20 m) Merged
6	Means of Transportation	Road/Rail	Road/Rail	Road/Rail	Road/Rail	Road/Rail	Road/Rail	Road/Rail				Road/Rail/ RLS
D.	Project requirements											
1	Water Requirement (KLD)	500	545	1215 (Combine)		1320	1353	812				17477 (+ increase 11732)
2	Man Power requirement	776	593	-		835	922	932				2607 (- decrease by 1451)
3	Power requirement (MW)	11.815										9.8 (- decrease by 2.015)
E.	Post mine land use											
1	Total excavated Area (in ha)	-	-	-	-	-	-	-				38.7 (+ addition of void)
2	Area under Waste dump (in-ha)	-	-	-	-	-	28.75	7.88				36.68 (+ by 0.05)
3	Area under	74.09	153.69	155.04	85.99	121.09	130.55	134.27				795.54 (-

	greenbelt and plantation (in ha)							59.18 ha)	
F	Cost								
1	Project Cost (Rs. In Crore)	9.47	0.076	-	-	0.732	0.8115	0.736	475.69 (+ increase in Capital cost)

8. **Environmental Site Settings:** The project area is covered under Survey of India Topo sheet No Toposheet no 73 I/1, I/2, I/5, I/6 and is bounded by the geographical coordinates ranging from N 23°46'46.67"N to 23°48'32.34"N and longitudes E 86°14'16.96"E to 86°17'36.91".. Project fall/does not fall in the Critically Polluted Area (CPA)/ Severely Polluted Area (SPA), as per CEPI Assessment 2018.

**Forest Area:** The project involves no forest land.

**Protected Area:** The project is not located within 10 KM of any ESZ/ ESA/ national park/ wildlife sanctuary/ biosphere reserve/ tiger reserve/ elephant reserve/tiger corridor/elephant corridor etc. There is no violation of WLP, Act.

9. **Mine Lease details:** PP submitted the following details of mine lease for Cluster III:

S. No.	Govt. Order/Notifications as the case maybe	Area (ha)
1	Lease allotment : Coking Coal Mines (Nationalisation) Act 1972 Coal India (Regulation of Transfers and Validation) Act 2000 Mineral Concession Rules Amendment dated 01.10.2021	1420.61

#### 10. Method of Mining and Mine Plan:

i. Mining Plan and Mine Closure Plan for for Cluster-III has been approved on 16.08.2024 in 412th BCCL Board. In this regard, PP informed that targeted capacity of coal production will be maintained at 3.6 MTPA.

ii. The total geographical reserves reported in the mine lease area of 1420.61 Ha is 577.63 MT, out of which mineable reserves are 174.43 MT and extractable reserves are 161.3 MT. Percentage of extraction is more than 90.

iii. There are total 21 seams, out of which working seams are 17.

iv. The method of mining to be adopted will be Opencast cum Underground with Highwall Mining Method as submitted by the proponent.

v. Stripping ratio is 1: 5.695.

vi. Life of mine is 66 years.

vii. Land use details:

#### A. Pre-Mining

S. No.	Land Use	Within ML Area (ha)	Outside ML Area (ha)	Total
1.	Agricultural Land	190.24	0	190.24
2.	Forest land	0	0	0
3.	Waste land	0	0	0
4.	Grazing land	0	0	0
5.	Surface Water Bodies	29.37	0	29.37
6.	Settlements	147.77	0	147.77
7.	Other (Plantation)	24.85	0	24.85

	Railway	26.84	0	26.84
	service building/mine infrastructure	45.47	0	45.47
	Road	19.37	0	19.37
	Barren land/abandoned quarry etc.	936.7	0	936.7
	<b>Total for Others (Sl no. 7)</b>			1053.23
	<b>Total Area (Ha)</b>			<b>1420.61</b>

### B. Post Mining

S. No	Type	Land Use (Ha)					Remarks
		Planta-tion	Water Body	Public Use	Undist-urbed	Total	
1	Excavation/Quarry Area:						
	Backfilled areas	690.17	0	0	0 -	<b>690.17</b>	Plantation to be developed on backfilled area
	Excavated Void	0	38.7	0	0	<b>38.7</b>	To be converted into water body
2	External Dump	36.68	0	0	0	<b>36.68</b>	Plantation to be developed on external OB dump
3	Safety Zone	25.57	0	3.8	26	<b>55.37</b>	
4	Road and infrastructure	0	0	81.36	3.8	<b>85.16</b>	
5	garland drains	0	0	0	1.9	<b>1.9</b>	
6	Embankment	0	0	0	3.7	<b>3.7</b>	
7	Others	43.12	25.8	26.84	413.17	<b>508.93</b>	
	<b>Total</b>					<b>1420.61</b>	

viii. **Details of transportation:** The coal produced from the Cluster III Coal Mining Project will be transported as given below:

- In pit: from face to surface coal dump 0- 3 km by dumpers
- Surface to siding: By tippers from coal dump to railway siding (2.4-5.2 km)
- Siding to loading: Pay loader loads the coal into the railway wagons for further transport to consumers.
- Transportation of Coal through RLS(SILO) at Maheshpur Colliery after linking of railway siding with rail tracks by M/s RITES (expected completion by 31.03.2025).

ix. Coal produced from Cluster-III will be used as raw material for various Thermal Power Plants. The distance of the power plant from Cluster III is 100 Kms.

x. Over burden: 796.75 Million Cum.

xi. Top soil: 1.55 million cum (will be utilized for plantation).

xii. **Reclamation:** Afforestation shall be done progressively covering an area of: 795.54 ha at the end of mining. This will include Reclaimed external OB dump (in ha): 36.68, internal dump (in ha): 690.17, Green belt (in ha): 68.69 (Safety Zone and existing) Density of tree plantation (in no of plants) will be: 2500/ha. A void of 38.7 is proposed to be converted into water body (depth 30m).

xiii. **Safety zone and other safety aspects:** The approved Mining Plan has delineated the quarry boundary by considering safety zone of 55.37 ha as per statutory provision stipulated in Mines Act-1952, CMR-2017, Mines Rule and boundary delineation keeping minimum safe distance as mentioned below:

<b>NORTH SECTION QUARRY</b>	45 m from diverted road
	100 m from DC railway line
	100 m from densely populated Chhatabad Basti/wherever applicable
	7.5 m from leasehold boundary of Cluster III
	60 m from Khudia Jore
<b>SOUTH SECTION QUARRY</b>	45 m from National Highway
	45 m from Tundu Road
	7.5 m from leasehold boundary of Cluster III

xiv. Further, for the proposed amalgamation of mines, the approved mining plan has envisaged the aspects of a) slope stability; b) adjacent working; c) geo-mining disturbances; d) proximity to ore; e) disaster management; f) existing underground fire and proposed maintenance of safety zone of 55.37 ha in which 25.57 ha is proposed to be converted in green belt at Post-Mining stage. Thus, the operations in accordance to approved Mining Plan ensure statutory provision stipulated in Mines Act-1952, CMR-2017, Mines Rule, and circulars /recommendation.

11. **Details of water requirement:** Total water requirement is estimated as 17477 KLD, same will be sourced from Mine Water. CGWB issued NOC for Cluster-III (Application no. 21-4/277/JH/MIN/2018) on 03.12.2021. First renewal has been applied and the application has been approved by chairman, CGWA and grant of NOC is under issuance stage.

Two seasonal streams are traversing the area:

- Bagdigi Jore - The Bagdigi jore enters from northern boundary of the Cluster-III and flows through the Cluster-III, it further joins to Khudia River in downstream of the southern boundary of the cluster-III.
- Khudia Jore: This jore flows from NW to SE and passes through the Cluster-III leasehold area.

12. **Details of power requirement and diversion of Hi-tension Line:** Total 9.8 MW/Month power requirement is there which is being/will be sourced from state grid.

13. **Compliance to the Public hearing:** Public hearing for the Cluster III was held on 2/01/2012. Major issues raised during public hearing were about water sprinkling/covered truck transportation, Drinking water and Domestic water availability, Plantation and Employment. Public hearing action plan was implemented. Further, PP has proposed an amount of Rs. 7.45 Crore to implement the issues raised during public hearing.

14. **Details of Solid and Hazardous Waste:** The details of solid and hazardous waste generation along with its mode of treatment/disposal is furnished as below:

S. No	Type of Waste	Source	Quantity (TPA)	Mode of Treatment	Disposal
1.	Solid Waste (Domestic waste)	From Offices and Few Quarters	10		Garbage Composting
2.	Plastic Waste (Packing material)	Plastic waste from packaging at stores	0.16	-	To authorized recyclers - By Road
4.	E-waste IT equipment, electronic parts, cartridges of printer)	Office equipments etc.	0.023	-	As per e-Waste Rules, 2016- By Road

S. No	Type of Waste	Source	Quantity (TPA)	Mode of Treatment	Disposal
5.	Batteries Waste	Batteries of Heavy Earth Moving Machinery, Light Vehicles	1.25	-	As per Battery (Management & handling) Rules.
6.	Hazardous Waste (Sludge and filter contaminated with oil, Used or Spent Oil, Empty Barrels/container, Waste / Residue containing oil)	Workshop	10.3	-	Sent to authorized recyclers

15. **Plantation:** Afforestation shall be done progressively covering an area of: 795.54 ha at the end of mining. This will include Reclaimed external OB dump (in ha): 36.68, internal dump (in ha): 690.17, Green belt (in ha): 68.69 (Safety Zone and existing). Local and fruit bearing species are being/ will be planted in consultation with local forest officer and density of 2500 trees per ha is proposed.

16. **R&R Issues:** R&R for 3756 PAF's is proposed. Compensation package is as per Jharia Master Plan and total outlay reported to be Rs. 270.12 crore. However, the rehabilitation of 3556 families is yet to be completed.

17. **Project Cost:** Total capital cost of the project is Rs. 475.69 Crores and the capital cost for EMP including R&R is Rs. 276.27 crores. Recurring cost for EMP is Rs. 3.44 crores.

#### 18. Environment Management plan

- The cluster of mines will be dovetailed with the approved Jharia Action Plan for dealing with fire, subsidence and rehabilitation of people.
- Water spraying by water Sprinkler will be done regularly on haul roads approach roads within the mining area to minimise the dust generation.
- Water sprinkling arrangement will be provided at the transfer point of coal.
- Intensive plantation of adequate width all along the haul road and other road will be raised to minimise transport-generated pollutants.
- Coal transportation to Railway siding will be done in covered trucks.
- Exposed overburden dumps will be covered through an appropriate plantation.
- Optimum blast hole geometry will be followed to reduce the dust during blasting.
- Regular monitoring of ambient air quality of project area.
- The mine discharge will be effectively utilize to meet the mine's domestic and industrial needs.
- Routine maintenance schedules for HEMM and other machineries to eliminate noise as far as possible.
- Balanced and properly aligned conditioning of machines to reduce vibration.
- Provision of ear muffs/ear plugs to workers subjected to noise level above recommended limits.
- Controlled blasting.

#### 19. EMP Cost

##### A: CAPITAL EXPENDITURE

S. No	Activity as per EMP	Item	Expenditure incurred (lakhs)
1	Pollution abatement cost including providing 02 additional water sprinklers	Procured 2 nos. Mobile water Sprinkler (28 KL Capacity)	289.51
		Procured 1 no. truck mounted fog cannon system	41.95
2	Development of green belt (100 Ha and the left-out area will be taken up during mine closure period) (Rs. 1 lakh per Ha)	Bamboo gabion plantation	57.78



3	Dust suppression & extraction in coal handling plant & feeder breaker	Procured 3 nos. trolley mounted fog cannon (100 mtr. range)	20.85
4	EMP Report	Preparation of EIA and EMP report	89.348
5	Industrial sewage treatment in workshop	Constructed Oil & Grease trap	22.40
6	Cost of Anti-pollution measures in mine & Industrial area	Constructed Coal transportation Road	64.32
7	Other provisions	Constructed toe wall	43.013
		Constructed Roof top Rain Water Harvesting Arrangement	8.40
		Development of Eco-Park	17.70
		<b>Total</b>	<b>655.27</b>

## B: REVENUE EXPENDITURE

S. No	Element as per as per EMP	Annually Recurring Cost (Rs. in Lakhs) as per EIA/EMP	Actual cost incurred (Lakhs) FY				
			19-20	20-21	21-22	22-23	23-24
1	Pollution control	20.00	29.05	25.22	24.19	24.13	24.69
2	Pollution monitoring	5.00	20.97	29.22	31.76	32.15	46.60
3	Occupational health	5.00	4.68	5.15	15.55	10.03	22.95
4	Green belt & biological reclamation	10.00	230.48	144.63	56.95	61.60	85.22
5	Corpus fund for mine-closure	130.00	275.07	288.83	303.26	318.43	334.35
6	Water cess and consent to operate	6.00	3.33	7.395	NIL	NIL	NIL
7	Others (Lump sum)	5.00	NIL	NIL	NIL	1.58	1.84
	<b>Total</b>	<b>344.45</b>	<b>563.58</b>	<b>500.45</b>	<b>431.71</b>	<b>447.92</b>	<b>515.65</b>
8	Corporate Social Responsibility *	138.45	CSR: 646	CSR: 621	CSR: 493	CSR: 1142	CSR: 777.33
9	Mine Reclamation*	25.00	391.36	210.44	190.7	215	938

21. **Legal Issues/ Violation:** PP submitted that there are no court cases pending on the project. However, the previous EC granted in 2013 was granted with following condition:

“The Environmental Clearance is subject to the outcome of the Writ Petition filed by M/S Bharat Coking Coal Limited (BCCL) in response to the closure orders issued by the Jharkhand State Pollution Control Board which is pending in the Jharkhand High Court”.

Jharkhand State Pollution Control Board, had issued directions of closure of collieries of M/S Bharat Coking Coal Limited under section 31A & 33A of Air (Prevention and Control of Pollution) Act.1981 & Water (Prevention and Control of Pollution) Act. 1974, respectively, for operating without obtaining environmental clearance.

M/S BCCL had filed a Writ Petition (No. 4944/11) challenging the Board’s directions of closure. The Jharkhand High Court has passed interim order on 25.08.2011 that “Till then, status quo, as on today, shall be maintained by the parties” and passed order on 18.01.2012 that “Until further orders, the interim order dated 25.08.2011 shall continue”. The said status is maintained till date.

22. **Written Submissions:** Written submission made by PP are summarized as below:

S. No.	Points	Written submissions made
1.	Diversion of water body	Signed Undertaking has been submitted by Project Proponent

S. No.	Points	Written submissions made
		that diversion of water body, if any in Cluster III Coal Mine Project of Bharat Coking Coal Limited shall be done with prior approval of State Government and prior amendment in EC will be sought from MoEFCC for the same
2.	CAAQMS	Signed Undertaking submitted for installation of 4 CAAQMS
3.	Safety Zone	Signed document submitted for maintenance of safety zone as per the approved Mining Plan

#### Observations and deliberation of the Committee:

#### 23. The Committee noted the following:

i. The instant proposal is for amendment of existing Environment Clearance (EC) of Cluster-III coal mining project of M/s BCCL (Leasehold area: 1420.61 ha with Granted production capacity of 3.60 MTPA) by amalgamating separate mines of Cluster-III into a single mine without change in leasehold area and peak production capacity; located at Village: Sinidih, Block: Baghmara, district: Dhanbad, State: Jharkhand.

ii. The project area is covered under Survey of India Topo sheet No Toposheet no 73 I/1, I/2, I/5, I/6 and is bounded by the geographical coordinates ranging from N 23°46'46.67"N to 23°48'32.34"N and longitudes E 86°14'16.96"E to 86°17'36.91".. Project fall/does not fall in the Critically Polluted Area (CPA)/ Severely Polluted Area (SPA), as per CEPI Assessment 2018.

iii. The project involves no forestland.

iv. The project is not located within 10 KM of any ESZ/ ESA/ national park/ wildlife sanctuary/ biosphere reserve/ tiger reserve/ elephant reserve/tiger corridor/elephant corridor etc. There is no violation of WLP, Act.

v. MoEF&CC accorded Environment Clearance to M/s. Bharat Coking Coal Limited (BCCL) under the provisions of EIA Notification, 2006 for their Cluster-III Coal Mining Project (3.6 Million TPA over 1420.61 Ha) vide letter no. J-11015/213/2010-IA.II (M) dated 06.02.2013.

vi. It has been decided to formulate a single mine by amalgamation of separate mines of Cluster III to better utilize the land and plan a more scientific quarry without any change in EC Capacity and lease hold area.

vii. Mining Plan and Mine Closure Plan Cluster III Group of Mines has been approved in the 412th BCCL Board meeting held on 16.08.2024.

viii. The total geographical reserves reported in the mine lease area of 1420.61 Ha is 577.63 MTe, out of which mineable reserves are 174.43 MTe and extractable reserves are 161.3 MTe. Percentage of extraction is more than 90%.

ix. 17 seams with thickness ranging from 0.93 m to 25.92 m are workable. Grade of coal is S-I to S-II, W-I to W-VI (Coking), G-2 to G-12, stripping ratio is 1: 5.695 while gradient is 5-10 degree. Life of mine as per the approved Mine Plan is 66 years.

x. The Committee deliberated on the Certified Compliance Report of Cluster III and deliberated on the partially – complied/ non- complied conditions of the same. The committee was satisfied with the action taken report of the proponent.

xi. Committee deliberated on the plantation activities been carried out by the PP till date. PP presented the photos of plantation carried out till date. Area proposed for plantation is 795.54 Ha. The Committee is of the opinion that plantation needs to be improved and the area of plantation should be increased. For which PP submitted that an area of 726.85 Ha of waste dump and 25.57 Ha of safety zone will also be covered with plantation, which will be developed as forest land. The budget allocated for the same is Rs. 90 Crores.

xii. The Committee deliberated on the post mining void area. PP submitted that the total void of 38.7 with depth of 30 meter shall be developed as water body during post mining stage.

xiii. Committee deliberated on the change in water scenario and thus was of the opinion to prepare watershed management plan through a reputed government agency and implement the same.

xiv. The committee deliberated on the written submission and found it satisfactory.

#### **Recommendations of the Committee:**

24. After deliberations, the Committee **recommended** the instant proposal for grant of amendment in the EC granted vide letter no. 11015/213/2010-IA.II (M) Dated 06.02.2013, under the provisions of EIA Notification, 2006 subject to the stipulation of following specific conditions and general conditions based on project specific requirements (**Annexure-I**). All other terms and conditions mentioned in the EC dated 06/2/2013 shall remain unchanged.

#### **Decision of MoEF&CC**

25. The undersigned is directed to inform that Ministry of Environment, Forest and Climate Change has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the Expert Appraisal Committee (Coal) hereby decided for grant of amendment in the EC dated 06.02.2013 subject to the compliance of the additional terms & conditions / specific conditions at **Annexure-I**.

26. All other terms and conditions prescribed in EC letter dated 06.02.2013 shall remain unchanged.

27. The project proponent shall obtain fresh Environment Clearance in case of change in scope of the project, if any.

28. This issues with the approval of the Competent Authority.

Yours faithfully,

(Sundar Ramanathan)  
Scientist 'F'  
Tel: 011- 20819378  
Email- r.sundar@nic.in

#### **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. Deputy Director General of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office, 2nd Floor, Headquarter- Jharkhand State Housing Board, Harmu Chowk, Ranchi, Jharkhand – 834 002.
4. The Chairman, 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 Chairman, Central Ground Water Authority, Ministry of Water Resources, Curzon Road Barracks, A-2, W-3 Kasturba Gandhi Marg, New Delhi
7. The Regional Director, Central Ground Water Board, Mid-Eastern Region, 6th& 7th Floor, Lok Nayak Jai Prakash Bhawan, Frazer Road, Dak Banglow, Patna- 800011, Bihar.
8. The District Collector, Dhanbad, Government of Jharkhand.
9. PARIVESH Portal.

**Annexure 1**

Specific EC Conditions for (Mining Of Minerals)

1. A. Specific Conditions:

S. No	EC Conditions
1.1	The project proponent shall abide by all orders and judicial pronouncements, made from time to time by the Hon'ble High Court of Jharkhand in Writ Petition No. 4944 of 2011.
1.2	Project proponent shall ensure that diversion of water body, if any, in Cluster III Coal Mine Project shall be done with prior approval of State Government and prior amendment in EC will be sought from MoEF&CC for the same.
1.3	3756 Project Affected Families (PAF) will be affected due to the proposed project. The affected families should be rehabilitated as per R & R plan to be approved by the State Government. Compliance status in this regard shall be submitted to the concerned Regional Office of MoEF&CC along with the six monthly compliance report.
1.4	Rapid Loading System with Silo arrangement (RLS) within the lease area shall become operational by 30/06/2025 as committed. Coal from mine to the RLS shall be transported by covered dumpers. Road transportation of coal outside the lease area is not permitted beyond 30/06/2025.
1.5	Four numbers of Continuous Ambient Air Quality monitoring system shall be set up to monitor common/criteria pollutants such as PM10, PM2.5, SO2, NOX within the lease area in consultation with concerned SPCB within six months from the date of EC amendment. The monitoring of other locations (at least three locations outside the lease area covering upwind and downwind directions at an angle of 120° each) shall be carried out manually.
1.6	The budget proposed to address the issues raised during PH is Rs. 7.45 crores. Compliance status in this regard shall be submitted to the concerned Regional Office along with the six monthly compliance report and also be uploaded on the web portal of the company.
1.7	PP shall implement the protective measures proposed in EMP in a time-bound manner. The budget earmarked is Rs 276.27 crores (Capital) (including R&R cost) and Rs 344.45 lakhs (recurring) and should be kept in separate accounts and audited annually. The implementation status along with the amount spent with documentary proof shall be submitted to the concerned Regional Office for the activities carried out during the previous year.
1.8	PP shall ensure that no OB dumping is done outside the mine lease area.
1.9	PP shall emphasize for using and developing Renewable Energy for its consumption in its utilities/machinery/equipment instead of using electricity from Grid/generated from Thermal Power Plants. PP shall install solar power generation units. Compliance status in this regard shall be submitted to the concerned Regional Office along with the six monthly compliance report and also be uploaded on the web portal of the company.
1.10	PP shall minimize mine voids in the post mining phase so that maximum area postmining is under green belt or agriculture/ grazing land.
1.11	Project proponent shall prepare Watershed management plan through a reputed government agency. Project proponent shall submit the same along with the matrix containing action plan to comply

S. No	EC Conditions
	with the recommendations of the study report with physical & financial outlay to the concerned Regional Office of the MoEF&CC within six months from the date of grant of EC amendment. Compliance to the action plan shall be monitored by the concerned Regional Office of the MoEF&CC.
1.12	Afforestation shall be done progressively covering an area of: 795.54 ha at the end of mining. This will include Reclaimed external OB dump (in ha): 36.68, internal dump (in ha): 690.17, Green belt (in ha): 68.69 (Safety Zone and existing). Local and fruit bearing species are being/ will be planted in consultation with state forest department. In addition to this, Agro forestry shall be encouraged in consultation with the land owners. Further, PP shall provide 50,000 plant saplings with 4 feet tall fruit bearing plants to farmers for plantation in barren and agriculture lands in the study area every year for 5 years with incentive to improve the green cover in and around the mine lease area.
1.13	PP shall conduct Carbon Sequestration Study including carbon emissions from coal mining. Compliance status in this regard shall be submitted along with the six monthly compliance to the concerned Regional Office and also kept on the web portal of the company.
1.14	The proposed project shall be operated on closed water circuit with a concept of 'Zero Liquid Discharge' (ZLD). 100% water will be recycled and no treated & untreated wastewater shall be discharged outside the boundaries of mine lease area.
1.15	PP shall carry out a survey of the impact of blasting in the nearby area/villages by involving a reputed institute and take remedial measures as proposed by the respective institute. Further, provide compensation if any for any damage caused. PP must give crop compensation to the farmers in case there is decrease in the production due to the mining activities. Compliance status in this regard shall be submitted along with the six monthly compliance to the concerned Regional Office.
1.16	To control the production of dust at the source, the crusher shall be equipped with mist-type sprinklers. PP shall install fixed fog cannon (mist spayer) and fixed sprinkler all along the haul road/ CHP, and OB dump till Railway siding is completed. The sufficient number of fog cannons with 40 mts jet length shall be installed within 6 months from the date of grant of EC amendment. It should be ensured that air pollution level confirm to the standards prescribed by the MOEFCC/CPCB. Also PP shall install Mist Cannon Dust Suppression Systems (80-100 mtrs.) at Coal Stock Yard to suppress the dust particles.
1.17	PP shall make use of advanced computer simulation techniques for design and execution of blasting operation in the mine. PP shall make use of Electronic Delay Detonators for optimal blasting in coal and OB rock to minimize the environmental impacts of blasting such as ground vibration, fly rocks and excessive dust generation.
1.18	PP shall create a "Public Grievance Redressal and Monitoring System" for resolving any issues related to the pollution of mines and complaint has to resolve as soon as possible not beyond 30 days. In this regard, adequate awareness to be spread among the public to address their grievance to company with simple and easy manner and for which company needs to devise the mechanism. The same shall be reported to IRO within 3 months. A logbook to be maintained by PP on "Public Grievance Redressal and Monitoring System.
1.19	Third-party audit (by NEERI/CIMFR/IIT/NITs) for air & water quality shall be carried out annually to keep a check on the same. PP shall implement the recommendations of the audit and submit the

S. No	EC Conditions
	outcome of the audit to the concerned RO of MoEF&CC.
1.20	The status of mine closure activities must be included in every six months compliance report submitted to the state pollution control board and RO of MoEF&CC.
1.21	Hon'ble Supreme Court in an Writ Petition(s) Civil No. 114/2014, Common Cause vs Union of India & Ors vide its judgement dated 8th January, 2020 has directed the Union of India to impose a condition in the mining lease and a similar condition in the environmental clearance and the mining plan to the effect that the mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. Compliance of this condition after the mining activity is over at the cost of the mining lease holders/Project Proponent". The implementation report of the above said condition shall be sent to the Regional Office of the MoEF&CC.
1.22	PP should establish in house (at project site) environment laboratory for measurement of environment parameter with respect to air quality and water (surface and ground). A dedicated team to oversee environment management shall be setup which should comprise of Environment Engineers, Laboratory chemist and staff for monitoring of air, water quality parameters on routine basis. Any non-compliance or infringement should be reported to the concerned authority.
1.23	PP shall ensure that all types of plastic waste generated from the plant shall be stored separately in isolated area and disposed of strictly adhering to the Plastic Waste Management Rules 2016 (as amended). In pursuant to the Ministry's OM dated 18/07/2022. PP shall also create awareness among the people working in the project area as well as in its surrounding area on the ban on Single Use Plastic (SUP) in order to ensure compliance of Ministry's Notification published by the Ministry on 12/08/2021. A report along with photograph on the measures taken shall also be included in the six monthly compliance report being submitted by PP.
1.24	Total water requirement for the project is 17477 KLD and the same shall be met from groundwater and mine water. PP shall obtain requisite NoC for withdrawal of Groundwater from CGWA prior to the commencement of mining operations.
1.25	Project proponent is advised to implement the 'Ek Ped Maa Ke Naam' Campaign which was launched on 5th June 2024 on the occasion of the World Environment Day to increase the forest cover across the Country. This plantation drive is other than Green belt development. The action in this regard shall be submitted concerned RO in six monthly report.

**Standard EC Conditions for (Mining of minerals)**

**1. Statutory Compliance**

S. No	EC Conditions
1.1	The Environmental clearance shall be subject to orders of Hon'ble Supreme Court of India, Hon'ble High Courts, NGT and any other Court of Law, from time to time, and as applicable to the project
1.2	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.

S. No	EC Conditions
1.3	Solid/hazardous waste generated in the mines needs to be addressed in accordance to the Solid Waste Management Rules, 2016/Hazardous & Other Waste Management Rules, 2016.
1.4	The maximum production or peak production at any given time shall not exceed the limit as prescribed in the EC.
1.5	Validity of EC would be governed by the existing EC dated 06/02/2013

## 2. Air Quality Monitoring And Mitigation Measure

S. No	EC Conditions
2.1	Project proponent shall obtain requisite consent from State Pollution Control Board for amalgamated mine with a production capacity of 3.6 MTPA.
2.2	Adequate ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely particulates, SO <sub>2</sub> and NO <sub>x</sub> . Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive receptors in consultation with the State Pollution Control Board.
2.3	The Ambient Air Quality monitoring in the core zone shall be carried out to ensure the Coal Industry Standards notified vide GSR 742 (E) dated 25th September, 2000 and as amended from time to time by the Central Pollution Control Board. Data on ambient air quality and heavy metals such as Hg, As, Ni, Cd, Cr and other monitoring data shall be regularly reported to the Ministry/Regional Office and to the CPCB/SPCB.
2.4	Effective control measures such as regular water sprinkling/rain gun/ Fog cannon /mist sprinkling etc., shall be carried out in critical areas prone to air pollution with higher level of particulate matter all through the coal transport roads, loading/unloading and transfer points. Fugitive dust emissions from all sources shall be controlled regularly. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central/State Pollution Control Board.
2.5	Major approach roads shall be black topped and properly maintained.
2.6	Vehicular emissions shall be kept under control and regularly monitored. All the vehicles engaged in mining and allied activities shall operate only after obtaining 'PUC' certificate from the authorized pollution testing centres.
2.7	PP should Install Wind breaker/shield arrangement along the railway siding for reducing the dust propagation in upwind direction.
2.8	The raw coal shall be stacked properly at earmarked site (s) within stockyards fitted with wind breakers/shields. Adequate measures shall be taken to ensure that the stored mineral does not catch fire.
2.9	PP shall submit an action plan for using and developing Renewable Energy for its consumption in its utilities/machinery/equipment instead of using electricity from Grid/generated from Thermal Power Plants. PP shall Install additional solar power generation units.

S. No	EC Conditions
2.10	PP shall install the weather monitoring system along with new CAAQMS shall be installed in which all the parameters like PM10, PM2.5, SO2, NOX should be there.

### 3. Water Quality Monitoring And Mitigation Measures

S. No	EC Conditions
3.1	The effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the Water Act, 1974 Coal Industry Standards vide GSR 742 (E) dated 25th September, 2000 and as amended from time to time by the Central Pollution Control Board.
3.2	The monitoring data shall be uploaded on the company's website and displayed at the project site at a suitable location. The circular No.J-20012/1/2006-1A.11 (M) dated 27th May, 2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.
3.3	The project proponent shall not alter major water channels around the site. Appropriate embankment shall be provided along the side of the river/nallah flowing near or adjacent to the mine. The embankment constructed along the river/nallah boundary shall be of suitable dimensions and critical patches shall be strengthened by stone pitching on the river front side, stabilized with plantation so as to withstand the peak water pressure preventing any chance of mine inundation.
3.4	Garland drains (of suitable size, gradient and length) around the critical areas i.e. mine shaft and low lying areas, shall be designed keeping at least 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine sites. The sump capacity shall also provide adequate retention period to allow proper settling of silt material of the surface runoff
3.5	The water pumped out from the mine, after siltation, shall be utilized for industrial purpose viz. watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly
3.6	Industrial waste water from coal handling plant and mine water shall be properly collected and treated so as to conform to the standards prescribed under the Environment (Protection) Act, 1986 and the Rules made thereunder, and as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluent. Sewage treatment plant of adequate capacity shall be installed for treatment of domestic waste water.
3.7	An integrated surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations shall be prepared, considering the presence of any river/rivulet/pond/lake etc., with impact of mining activities on it, and implemented by the project proponent. The surface drainage plan and/or any diversion of natural water courses shall be as per the provisions of the approved Mining Plan/ EIA-EMP submitted to this Ministry and the same should be done with due approval of the concerned State/GoI Authority. The construction of embankment to prevent any danger against inrush of surface water into the mine should be as per the approved mining plan and as per the permission of DGMS.
3.8	The project proponent shall take all precautionary measures to ensure reverian/ riparian ecosystem in and around the coal mine upto a distance of 5 km. A revarian /riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation /



S. No	EC Conditions
	water resource department in the state government.
3.9	Industrial effluent and domestic wastewater shall be treated in the Effluent treatment Plant (ETP) and Sewage Treatment Plant (STP). After treatment, treated water shall be reused for plantation.

#### 4. Noise And Vibration Monitoring And Prevention

S. No	EC Conditions
4.1	Adequate measures shall be taken for control of noise levels as per Noise Pollution Rules, 2016 in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with personal protective equipments (PPE) like ear plugs/muffs in conformity with the prescribed norms and guidelines in this regard. Adequate awareness programme for users to be conducted. Progress in usage of such accessories to be monitored.
4.2	The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises, and report in this regard shall be submitted to the Ministry/RO on six-monthly basis.

#### 5. Mining Plan

S. No	EC Conditions
5.1	Project proponent shall obtain star rating as per the guidelines of Ministry of Coal.
5.2	Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.
5.3	No change in mining method i.e. UG to OC, calendar programme and scope of work shall be made without obtaining prior approval of the Ministry of Environment, Forests and Climate Change (MoEFCC).
5.4	Mining shall be carried out as per the approved mining plan (including Mine Closure Plan) abiding by mining laws related to coal mining and the relevant circulars issued by Directorate General Mines Safety (DGMS).
5.5	Environmental conditions of mining place shall be rendered ergonomic and air breathable with adequate illumination in conformance with DGMS standards.
5.6	No mining shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980 and also adhering to The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 read with provisions of Indian Forest Act, 1927.

#### 6. Land Recalvation

S. No	EC Conditions
6.1	Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey shall be

S. No	EC Conditions
	carried out at least once in three years for monitoring land use pattern and report in 1:50,000 scale or as notified by Ministry of Environment, Forest and Climate Change(MOEFCC) from time to time shall be submitted to MOEFCC/Regional Office (RO).
6.2	Post-mining land be rendered usable for agricultural/forestry purposes and shall be handed over to the respective State Government, as specified in the Guidelines for Preparation of Mine Closure Plan, issued by the Ministry of Coal dated 27th August, 2009 and subsequent amendments.
6.3	Regular monitoring of subsidence movement on the surface over and around the working areas and its impact on natural drainage pattern, water bodies, vegetation, structure, roads and surroundings shall be continued till movement ceases completely. In case of observation of any high rate of subsidence beyond the limit prescribed, appropriate effective mitigation measures shall be taken to avoid loss of life and materials. Cracks should be effectively plugged in with ballast and clay soil/suitable material.
6.4	A separate team for subsidence monitoring and surface mitigation measures shall be constituted and continuous monitoring & implementation of mitigation measures be carried out.
6.5	Thorough inspection of the mine lease area for any cracks developed at the surface due to mining activities below ground shall be carried out to prevent inrush of water in the mine.
6.6	Quick action/mitigation plan shall be established and implemented in the area affected by subsidence caused due to mining activity.
6.7	The project proponent shall make necessary alternative arrangements, if grazing land is involved in core zone, in consultation with the State government to provide alternate areas for livestock grazing, if any. In this context, the project proponent shall implement the directions of Hon'ble Supreme Court with regard to acquiring grazing land.

## 7. Public Hearing And Human Health Issues

S. No	EC Conditions
7.1	Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored.
7.2	The project proponent shall undertake occupational health survey for initial and periodical medical examination of the personnel engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS circulars. Besides regular periodic health check-up, 20% of the personnel identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, as amended time to time.
7.3	Personnel (including outsourced employees) working in core zone shall wear protective respiratory devices and shall also be provided with adequate training and information on safety and health aspects.
7.4	Skill training as per safety norms specified by DGMS shall be provided to all workmen including the outsourcing employees to ensure high safety standards in mines.

S. No	EC Conditions
7.5	Effective arrangement shall be made to provide and maintain at suitable points conveniently situated, a sufficient supply of drinking water for all the persons employed.
7.6	The project proponent shall follow the mitigation measures provided in this Ministry's OM No.Z-11013/5712014-IA.II (M) dated 29th October, 2014, titled 'Impact of mining activities on habitations-issues related to the mining projects wherein habitations and villages are the part of mine lease areas or habitations and villages are surrounded by the mine lease area'.
7.7	PP should conduct epidemiology study to (analysis of the distribution, patterns and determinants of health and disease conditions in defined populations).

## 8. Corporate Environment Responsibility

S. No	EC Conditions
8.1	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and/or shareholders/stake holders.
8.2	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
8.3	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
8.4	Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

## 9. Miscellaneous

S. No	EC Conditions
9.1	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
9.2	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.

S. No	EC Conditions
9.3	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
9.4	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
9.5	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
9.6	The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.
9.7	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
9.8	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
9.9	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
9.10	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
9.11	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
9.12	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
9.13	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
9.14	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

**Additional EC Conditions**

N/A

**Amendment Logs**

<b>Description</b>	<b>Reference</b>	<b>Existing</b>	<b>Proposed / Amendment</b>	<b>Reason</b>
NA	NA	NA	NA	NA

