



Serving coking coal to the nation



भारत कोकिंग कोल लिमिटेड
(कोल इण्डिया लिमिटेड की एक अनुसंगी कंपनी)
Bharat Coking Coal Limited
(A Subsidiary of Coal India Limited)
(एक मिनीरत्न कंपनी / A Miniratna Company)
(भारत सरकार का उपक्रम / A Government of India Undertaking)

पत्र संख्या: बी. सी. सी. एल./वा. नि. वि./म. प्र./2025/255 (H)

दिनांक: 06.06.2025

The Director
Ministry of Environment, Forests & Climate Change.
Govt. of India,
Integrated Regional Office, Kolkata
IB-198, Sector- III, Salt Lake City, Kolkata - 700106.

Sub: Six monthly compliance report of EC conditions for the period from April 2024 to September 2024 in respect of Bhojudih NLW Coal Washery 2.0 MTPA in an Area of 15 ha. of Bharat Coking Coal Limited.

Ref: EC order No. 1-11015/432/2013-IA-11(M) dated 10.08.2016

महोदय,

Vide reference above, please find enclosed herewith the half yearly Compliance Report of EC conditions for the period from October 2024 to March 2025 in respect of 2.0 MTPA Bhojudih NLW Coal Washery of Bharat Coking Coal Limited.

Thanking you.

Encl: As above

भवदीय,

Handwritten signature
6/6/25

महाप्रबंधक
वाशरी निर्माण विभाग

प्रतिलिपि :

1. Director, IA Monitoring Cell, Paryabaran Bhawan, CGO complex, New Delhi-110003
2. Scientist and Incharge, Zonal Office, Central Pollution Control Board, Kolkata.
3. Member Secretary, West Bengal Pollution Control Board
4. GM (Environment), BCCL

**SIX MONTHLY REPORT ON COMPLIANCE TO ENVIRONMENTAL CLEARANCE OF 2.0 MTPA BHOJUDIH NLW
WASHERY FOR THE PERIOD FROM
October 2024 - March 2025**

Present Status of 2.0 MTPA Bhojudih NLW Washery –WASHERY CONSTRUCTION WORK IS CONTINUED.

(Ref no - J-11015/432/2013-IA-II (M) Dated 10.08.2016)

A- SPECIFIC CONDITIONS:

Sl. No.	Description of items	Compliance Status
(i)	The technology so chosen should conform to "Zero Liquid Discharge".	The washery construction is in process. The washery will be constructed on Zero Discharge concept. All the process water will be recycled and will be re-utilized in the process circuit.
(ii)	Thick green belt of 30-45 meter width to be provided around the washery to mitigate/check the dust pollution. A three-tier avenue plantation should also be developed along vacant areas, near washery, storage yards, loading points and transfer points and along internal roads and main approach roads.	Thick green belt around the washery and three tier avenue plantation along vacant areas near washery, storage yards, loading points and transfer points will be developed, during construction of washery (500 saplings have been planted).
(iii)	Washery shall be as per Project Report submitted and presented to the EAC.	The Washery is being constructed as per presentation made to EAC and Project Report.
(iv)	Transport of Raw coal, clean coal, middling and reject by rail with wagon loading through silo.	The washery installation is in process. This condition will be complied at the time of washery operation.
(v)	Reject will be used in Power Generation for which JV Co. has been formed between CIL & NTPC.	The washery installation is in process. This condition will be complied per updated Reject Policy 2021.
(vi)	Old Washery at Bhojudih shall be shut down on commissioning of this new Washery.	The condition shall be complied after operationalization of Washery. If any amendment in the said condition is required for operation same shall be made within timeline.
(vii)	Urgent action is required to reduce Pollution from present Washery.	No. of steps already been taken to minimize air as well as water pollution. <ul style="list-style-type: none"> I. Current washery is running in a close circuit and no waste water is discharged in the natural water bodies, water is pumped back in the flow circuit from the sedimentation ponds. II. Fixed type sprinklers installed and mobile water tankers are also used in the current washery. III. Conveyors are provided with enclosures. IV. Fixed water sprinkling arrangement is

		<p>present at the coal receiving point.</p> <p>V. Extensive plantation has been done inside and around the current washery premises.</p>
(viii)	Waste Water shall be effectively treated and recycled completely either for washery or maintenance of green belt around the plant.	Washery will run on zero discharge concept. In the proposed washery, industrial effluent will be treated in a series of sedimentation pond and treated effluent will be recycled in the flow circuit of plant, leading to zero discharge from washery premises. It will be complied.
(ix)	The assurances given during the Public Hearing and as per the Action Plan developed by the proponent should be implemented.	Public hearing assurances will be complied.
(x)	Three-tier green belt should be developed along the washery boundary and along transfer and loading points and railway siding to mitigate/check dust pollution. A 3-tier avenue plantation should also be developed along vacant areas, near washery, storage yards, loading points and transfer points and along internal roads and main approach roads.	Three tier green belt along the washery boundary and along transfer and loading points and railway siding will be developed. A three tier avenue plantation along vacant areas near washery, storage yards, loading points and transfer points will also be developed.
(xi)	Hoppers of the coal crushing unit and washery unit shall be fitted with high efficiency bag filters and mist spray water sprinkling system shall be installed and operated effectively at all times of operation to check fugitive emissions from crushing operations, transfer points of closed belt conveyor systems and from transportation roads.	The washery installation is in process. This condition will be complied when washery operation starts. To check fugitive emissions at transfer points, crushing operations & transportation roads, High efficiency bag filters and mist spray water sprinkling systems will be installed.
(xii)	All approach roads shall be black topped and internal roads shall be concreted. The roads shall be regularly cleaned with mechanical sweepers.	The washery installation is in process. This condition will be complied at the time when washery operation starts.
(xiii)	Records of quantum and ash content of raw coal being washed, and clean coal and coal rejects produced from every batch of washing shall be maintained and details thereof uploaded on the company website.	The washery installation is in process. This condition will be complied at the time when washery operation starts.

(xiv)	No groundwater shall be used for the Plant Operations. Any additional water requirement envisaged shall be obtained by recycle/reuse to the maximum extent and from rainwater harvesting measures.	The washery installation is in process. This condition will be complied at the time when washery operation starts.															
(xv)	Socio-economic and welfare measures for the local communities for the adjoining villages shall be implemented under CSR. Activities under CSR activities to be undertaken for the adjoining villages shall be identified in consultation with the local authorities, the details of status of implementation of CSR and expenditure thereon which should be annually updated on the company website.	This condition will be complied at the time when washery operation starts.															
(xvi)	Heavy metal content in raw coal, and washed coal shall be analyzed once in a year and records maintained thereof.	This condition will be complied at the time when washery operation starts.															
(xvii)	The project authorities shall in consultation with the Panchayats of the local villages and administration identify socio-economic and welfare measures under CSR to be carried out over the balance life of the mine.	<p>This condition will be complied at the time when washery operation starts. BCCL will access/ identify CSR activity in consultation with local people for needful action.</p> <p>Expenditure in the head of welfare at existing Bhojudih coal washery are as follows:</p> <table border="1" data-bbox="829 1254 1420 1747"> <thead> <tr> <th>S.NO</th> <th>Details</th> <th>Rs. (Lakhs)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Repair of community hall at Bhojudih Coal Washery.</td> <td>4.88</td> </tr> <tr> <td>2</td> <td>Repair of Dispensary building at Bhojudih Coal Washery.</td> <td>5.22</td> </tr> <tr> <td>3</td> <td>Overhauling of Water Treatment plant.</td> <td>3.43</td> </tr> <tr> <td>4</td> <td>Rest Shelter.</td> <td>0.84</td> </tr> </tbody> </table>	S.NO	Details	Rs. (Lakhs)	1	Repair of community hall at Bhojudih Coal Washery.	4.88	2	Repair of Dispensary building at Bhojudih Coal Washery.	5.22	3	Overhauling of Water Treatment plant.	3.43	4	Rest Shelter.	0.84
S.NO	Details	Rs. (Lakhs)															
1	Repair of community hall at Bhojudih Coal Washery.	4.88															
2	Repair of Dispensary building at Bhojudih Coal Washery.	5.22															
3	Overhauling of Water Treatment plant.	3.43															
4	Rest Shelter.	0.84															
(xviii)	The commitment made by the Proponent to the issue raised during Public Hearing shall be implemented by the Proponent.	It will be complied.															
(xix)	<p>Corporate Environment Responsibility:</p> <p>i. The Company shall have a well laid down Environment Policy approved by the Board of Directors.</p>	<p>The company already have a well laid down environment policy duly approved by its Board of Directors.</p>															

	<p>ii. The Environment Policy shall prescribe for standard operating process/procedures to bring into focus any infringements / deviation/violation of the environmental or forest norms/conditions.</p> <p>iii. The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions shall be furnished.</p> <p>iv. To have proper checks and balances, the company shall 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.</p>	<ul style="list-style-type: none"> • Agreed • Hierarchical system or Administrative Order of the company to deal with environmental issues is attached (Annexure I) • Environment dept. at BCCL HQ looks after the infringements, deviations, violations of Environment and Forest Norms, environmental issues, compliances etc. for all the units running in BCCL.
--	--	---

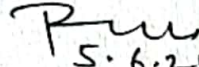
B. GENERAL CONDITIONS

S. No.	Description of items	Compliance Status
i	No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment, Forests & Climate Change.	This washery will not change its technology without prior approval from MoEF&CC.
ii	No change in the calendar plan of production for quantum of mineral coal shall be made.	It will be complied when the washery operation starts.
iii	Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for PM ₁₀ , PM _{2.5} , SO ₂ and NO _x monitoring. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc carried out at least once in six months.	<p>Once the washery comes in operation, four ambient air quality stations shall be established on the core zone as well as buffer zone for the monitoring of PM₁₀, PM_{2.5}, SO₂, and NO_x and will follow the guidelines of state pollution control board. It will be complied when the washery operation starts.</p> <p>However, the ambient air quality test presently being carried out at one station is enclosed as ANNEXURE – II. The work of monitoring of ambient environment (air quality monitoring and water quality monitoring including monitoring of heavy metals is being carried out by CMPDIL.)</p>

iv	Data on ambient air quality (PM ₁₀ , PM 25, SO) and NO,) and heavy metals such as Hg, As, Ni. Cd. Cr and other monitoring data shall be regularly submitted to the Ministry including its concerned Regional Office and to the State Pollution Control Board and the Central Pollution Control Board once in six months. Random verification of samples through analysis from independent laboratories recognised under the EPA rules, 1986 shall be furnished as part of compliance report.	It will be complied when the washery operation starts.
v	Adequate measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with ear plugs/muffs.	Adequate measures will be taken when the washery operation starts depending upon the operational requirement. Noise level quality monitoring is being regular done at old Bhojudih Washery. Ambient noise level report of old Bhojudih washery is enclosed as ANNEXURE -III .
vi	Industrial wastewater (workshop and wastewater from the mine) shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May 1993 and 31 st December 1993 or as amended from time to time before discharge. Oil and grease trap shall be installed before discharge of workshop effluents.	It will be complied once the washery operation starts.
vii	Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transporting the mineral shall be covered with tarpaulins and optimally loaded.	It will be complied during washery operation.
viii	Monitoring of environmental quality parameters shall be carried out through establishment of adequate number and type of pollution monitoring and analysis equipment in consultation with the State Pollution Control Board and data got analyzed through a laboratory recognized under EPA Rules. 1986.	Agreed & Noted
ix	Personnel working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects.	It will be complied during operation.
x	Occupational health surveillance programme of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and to take corrective measures, if needed and records maintained thereof. The quality of	It will be complied during operation.

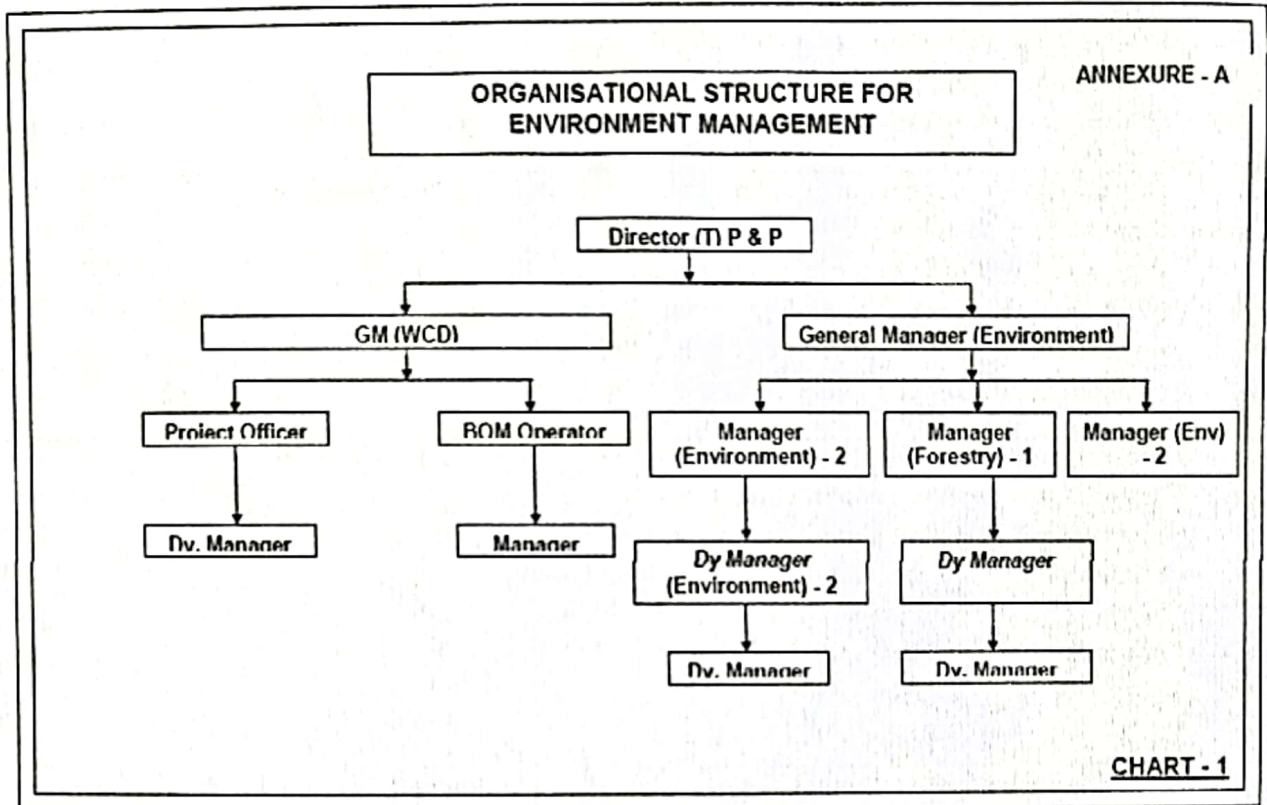
	environment due to outsourcing and the health and safety issues of the outsourced manpower should be addressed by the company while outsourcing.	
xi	A separate environmental management cell with suitable qualified personnel shall be set up under the control of a Senior Executive, who will report directly to the Head of the company.	A separate Environment Management cell dedicated towards the implementation of well framed environmental policy of the company, will be formed at Project before the start of operation.
xii	The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its concerned Regional Office.	It will be complied during operation.
xiii	The Project authorities shall advertise at least in two local newspapers widely circulated around the project, one of which shall be in the vernacular language of the locality concerned within seven days of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution control Board and may also be seen at the website of the Ministry of Environment, Forests & Climate Change at http://envfor.nic.in .	Complied. Copy of advertisements is attached in <u>ANNEXURE -IV.</u>
xiv	A copy of the environmental clearance letter shall be marked to concern Panchayat/Zila Parishad. Municipal Corporation or Urban local body and local NGO, if any, from whom any suggestion/representation has been received while processing the proposal. A copy of the clearance letter shall also be displayed on company's website.	Complied. Copy of the letters is attached in <u>ANNEXURE-V</u>
xv	A copy of the environmental clearance letter shall he shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industry Sector and Collector's Office/Tehsildar's Office for 30 days.	Complied.
xvi	The clearance letter shall be uploaded on the company's website. The compliance status of the stipulated environmental clearance conditions shall also be uploaded by the project authorities on their website and updated at least once every six months so as to bring the same in public domain.	Complied.

	The monitoring, data of environmental quality parameter (air, water, noise and soil) and critical pollutant such as PM ₁₀ , PM _{2.5} , SO ₂ and NO _x (ambient) and critical sectoral parameters shall also be displayed at the entrance of the project premises and mine office and in corporate office and on company's website.	
xvii	The project proponent shall submit six monthly compliance reports on status of compliance of the stipulated environmental clearance conditions (both in hard copy and in e-mail) to the respective Regional Office of the Ministry, respective Zonal Office s of CPCB and the SPCB.	Being Complied.
xviii	The Regional Office of this Ministry located in the Region shall monitor compliance of the stipulated conditions. The Project authorities shall extend full cooperation to the office(s) of the Regional Office by furnishing the requisite data/information/monitoring reports.	Agreed & Noted.
xix	The Environmental statement for each financial year ending 31 March in Form – V is mandated to be submitted by the project proponent for the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be uploaded on the company's website along with the status of compliance of EC conditions and shall be sent to the respective Regional Offices of the MoEF&CC by e-mail.	Environmental Statement enclosed in <u>ANNEXURE -VI</u>


 5.6.23
 PO/EIC
 Project Officer / EIC
 2.0 Mtpa Bhojudih NLW Washery

2.0 MTPA Bhojudih NLW Coal Washery
 BCCCL


ANNEXURE - I




11.0.12/

ANNEXURE – II

AMBIENT AIR QUALITY DATA

		CENTRAL MINE PLANNING AND DESIGN INSTITUTE LIMITED Environment Laboratory, Regional Institute-II Ambient Air Quality Test Report			CMPDIL, RI-II KOYLA BHAWAN COMPLEX DHANBAD, -826005 Phone: 0326 223 850 email: rrl2cmpl@iccoalindia.in			
Test Report for Ambient Air Samples								
Month & Year	12/2024	Cluster	Misc.	URL No.	TC101224000001378F			
Customer	Environment Department, Bharat Coking Coal Limited (BCCL), Koyla Bhawan, Dhanbad (E-mail: gmenv.bclcl@coalindia.in)			Date of Issue	27.01.2025			
Project	Bhopadib Washery Industrial Area	Sample Ref. No.	REM/BCCL/2024/12	Sampling Method	CMPDI/RI-II/LPM 11, (IS 5182)			
Date of Sampling	02.12.2024	16.12.2024	Period of Analysis	02.12.2024	25.01.2025	Zone of Station	COM 2006	
Sl. No.	Parameter	Method Analysis of	Observed Values (in µg/m ³)		Range Of Testing	LDL	MoEF Standards Notification dated 25 th September, 2000 (GSR 742 E.)	NAAQS, 2009
			1 st FN A3073	2 nd FN A3151				
1	PM ₁₀	IS 5182 (Part 23):2006, R-2017	121	106	10 µg/m ³ - 1000 µg/m ³	10 µg/m ³	300	100
2	PM _{2.5}	IS 5182 (Part 24):2019	70	63	10 µg/m ³ - 400 µg/m ³	10 µg/m ³	Not Specified	60
3	SO ₂	IS 5182 (Part-2): 2001, R-2017	<10	<10	10 µg/m ³ - 1050 µg/m ³	10 µg/m ³	120	80
4	NO ₂	IS 5182 (Part-6): 2006, R-2017	28	31	06 µg/m ³ - 420 µg/m ³	06 µg/m ³	120	80
							* LDL indicates Lower Detection Limit.	
							** All units are in µg/m ³ , 24 hourly Average.	
ANALYSED BY		REVIEWED BY		Authorised Signatory				
Note: The results above relate to the samples tested as received. This report can not be reproduced in part or full without the written permission of the HOD(Env), CMPDI, RI-II.								
--- End of Report --- Page 1 of 1								

		CENTRAL MINE PLANNING AND DESIGN INSTITUTE LIMITED Environment Laboratory, Regional Institute-II Ambient Air Quality Test Report			CMPDIL, RI-II KOYLA BHAWAN COMPLEX DHANBAD, -826005 Phone: 0326 223 850 email: rrl2cmpl@coalindia.in			
Test Report for Ambient Air Samples								
Month & Year	12/2024	Cluster	Misc.	URL No.	TC101224000001378F			
Customer	Environment Department, Bharat Coking Coal Limited (BCCL), Koyla Bhawan, Dhanbad (E-mail: gmenv.bclcl@coalindia.in)			Date of Issue	27.01.2025			
Project	Santaldih Bhopadib washery buffer	Sample Ref. No.	REM/BCCL/2024/12	Sampling Method	CMPDI/RI-II/LPM 11, (IS 5182)			
Date of Sampling	02.12.2024	16.12.2024	Period of Analysis	02.12.2024	25.01.2025	Zone of Station	BUFFER ZONE	
Sl. No.	Parameter	Method Analysis of	Observed Values (in µg/m ³)		Range Of Testing	LDL	MoEF Standards Notification dated 25 th September, 2000 (GSR 742 E.)	NAAQS, 2009
			1 st FN A3074	2 nd FN A3152				
1	PM ₁₀	IS 5182 (Part 23):2006, R-2017	89	80	10 µg/m ³ - 1000 µg/m ³	10 µg/m ³	300	100
2	PM _{2.5}	IS 5182 (Part 24):2019	41	36	10 µg/m ³ - 400 µg/m ³	10 µg/m ³	Not Specified	60
3	SO ₂	IS 5182 (Part-2): 2001, R-2017	<10	<10	10 µg/m ³ - 1050 µg/m ³	10 µg/m ³	120	80
4	NO ₂	IS 5182 (Part-6): 2006, R-2017	25	26	06 µg/m ³ - 420 µg/m ³	06 µg/m ³	120	80
							* LDL indicates Lower Detection Limit.	
							** All units are in µg/m ³ , 24 hourly Average.	
ANALYSED BY		REVIEWED BY		Authorised Signatory				
Note: The results above relate to the samples tested as received. This report can not be reproduced in part or full without the written permission of the HOD(Env), CMPDI, RI-II.								
--- End of Report --- Page 1 of 1								

AMBIENT AIR QUALITY DATA

Month & Year		01/2025	Cluster	Misc.	ULR No.	TC101224000001432F		
Customer		Environment Department, Bharat Coking Coal Limited (BCCL), Koyla Bhawan, Dhanbad (E-mail: gmenv.bccl@coalindia.in)				Date of Issue		18.02.2025
Project		Bhokudih Washery Industrial Area	Sample Ref. No.	REM/BCCL/2025/01	Sampling Method	CMPDI/RI-II/LPM 11, (IS 5182)		
Date of Sampling		01.01.2025	16.01.2025	Period of Analysis	01.01.2025	15.02.2025	Zone of Station	CORF ZONE
Sl. No.	Parameter	Method Analysis of	Observed Values (in $\mu\text{g}/\text{m}^3$)		Range Of Testing	LDL	MoEF Standards Notification dated 25 th September, 2000 (GSR 742 E)	NAAQS, 2009
			1 st FN A3228	2 nd FN A3307				
1	PM ₁₀	IS-5182(Part 23) 2006, R-2017	115	124	10 $\mu\text{g}/\text{m}^3$ - 1000 $\mu\text{g}/\text{m}^3$	10 $\mu\text{g}/\text{m}^3$	300	100
2	PM _{2.5}	IS-5182(Part 24) 2019	64	69	10 $\mu\text{g}/\text{m}^3$ - 400 $\mu\text{g}/\text{m}^3$	10 $\mu\text{g}/\text{m}^3$	Not Specified	60
3	SO ₂	IS-5182(Part 2) 2001, R-2017	<10	<10	10 $\mu\text{g}/\text{m}^3$ - 1050 $\mu\text{g}/\text{m}^3$	10 $\mu\text{g}/\text{m}^3$	120	80
4	NO ₂	IS-5182 (Part-6) 2006, R-2017	28	31	06 $\mu\text{g}/\text{m}^3$ - 420 $\mu\text{g}/\text{m}^3$	06 $\mu\text{g}/\text{m}^3$	120	80

* LDL indicates Lower Detection Limit, ** All units are in $\mu\text{g}/\text{m}^3$, 24 hourly Average.

ANALYSED BY: *[Signature]* REVIEWED BY: *[Signature]* (Gaurav Kant) AUTHORIZED SIGNATORY: *[Signature]* (Anil Raj Mishra)

Note: The results above relate to the samples tested as received. This report can not be reproduced in part or full without the written permission of the HOD(Ew), CMPDI, RI-II.

--- End of Report ---
Page - 1 of 1

Month & Year		01/2025	Cluster	Misc.	ULR No.	TC101224000001432F		
Customer		Environment Department, Bharat Coking Coal Limited (BCCL), Koyla Bhawan, Dhanbad (E-mail: gmenv.bccl@coalindia.in)				Date of Issue		18.02.2025
Project		Saahidih Bhokudih washery buffer	Sample Ref. No.	REM/BCCL/2025/01	Sampling Method	CMPDI/RI-II/LPM 21, (IS 5182)		
Date of Sampling		01.01.2025	16.01.2025	Period of Analysis	01.01.2025	15.02.2025	Zone of Station	BUFFER ZONE
Sl. No.	Parameter	Method Analysis of	Observed Values (in $\mu\text{g}/\text{m}^3$)		Range Of Testing	LDL	MoEF Standards Notification dated 25 th September, 2000 (GSR 742 E)	NAAQS, 2009
			1 st FN A3229	2 nd FN A3307				
1	PM ₁₀	IS-5182(Part 23) 2006, R-2017	80	72	10 $\mu\text{g}/\text{m}^3$ - 1000 $\mu\text{g}/\text{m}^3$	10 $\mu\text{g}/\text{m}^3$	300	100
2	PM _{2.5}	IS-5182(Part 24) 2019	36	32	10 $\mu\text{g}/\text{m}^3$ - 400 $\mu\text{g}/\text{m}^3$	10 $\mu\text{g}/\text{m}^3$	Not Specified	60
3	SO ₂	IS-5182(Part 2) 2001, R-2017	<10	<10	10 $\mu\text{g}/\text{m}^3$ - 1050 $\mu\text{g}/\text{m}^3$	10 $\mu\text{g}/\text{m}^3$	120	80
4	NO ₂	IS-5182 (Part-6) 2006, R-2017	25	26	06 $\mu\text{g}/\text{m}^3$ - 420 $\mu\text{g}/\text{m}^3$	06 $\mu\text{g}/\text{m}^3$	120	80

* LDL indicates Lower Detection Limit, ** All units are in $\mu\text{g}/\text{m}^3$, 24 hourly Average.

ANALYSED BY: *[Signature]* REVIEWED BY: *[Signature]* (Gaurav Kant) AUTHORIZED SIGNATORY: *[Signature]* (Anil Raj Mishra)

Note: The results above relate to the samples tested as received. This report can not be reproduced in part or full without the written permission of the HOD(Ew), CMPDI, RI-II.

--- End of Report ---
Page - 1 of 1

JOB NO. 200316028

Miscellaneous, BCCL Environmental Monitoring Report

AMBIENT AIR QUALITY DATA

		CENTRAL MINE PLANNING AND DESIGN INSTITUTE LIMITED Environment Laboratory, Regional Institute-II Ambient Air Quality Test Report				CMPDL RI-II KOYLA BHAWAN COMPLEX DHANBAD - 826005 Phone: 0226-221464 email: rdi2cmpdl@coalindia.in		
Test Report for Ambient Air Samples								
Month & Year	02/2025	Cluster	Misc.			ULR No.	TC14312500001548P	
Customer	Environment Department, Bharat Coking Coal Limited (BCCL), Koyla Bhawan, Dhanbad (B-mash gmnv bcc@coalindia.in)					Date of Issue	04.03.2025	
Project	Bhojidi Washery Industrial Area	Sample Ref. No.	REM/BCCL/2025/02	Sampling Method		CMPDL/RI-II/LPM 11, (IS 5182)		
Date of Sampling	10.02.25	24.02.25	Period of Analysis	10.02.25	03.03.2025	Zone of Station:	CDR# 20ME	
Sl. No.	Parameter	Method of Analysis	Observed Values (In $\mu\text{g}/\text{m}^3$)		Range Of Testing	LDL	MoEF Standards Notification dated 25 th September, 2000 (GSR 742 E)	NAAQS, 2009
			1 st FN A3427	2 nd FN A3506				
1	PM ₁₀	IS-5182(Part-23):2006, R.2017	113	97	10 $\mu\text{g}/\text{m}^3$ - 1000 $\mu\text{g}/\text{m}^3$	10 $\mu\text{g}/\text{m}^3$	300	100
2	PM _{2.5}	IS-5182(Part-24):2019	64	49	10 $\mu\text{g}/\text{m}^3$ - 400 $\mu\text{g}/\text{m}^3$	10 $\mu\text{g}/\text{m}^3$	Not Specified	60
3	SO ₂	IS-5182(Part-2):2001, R.2017	<10	10	10 $\mu\text{g}/\text{m}^3$ - 1050 $\mu\text{g}/\text{m}^3$	10 $\mu\text{g}/\text{m}^3$	120	80
4	NO ₂	IS-5182 (Part-6):2006, R.2017	29	31	06 $\mu\text{g}/\text{m}^3$ - 420 $\mu\text{g}/\text{m}^3$	06 $\mu\text{g}/\text{m}^3$	120	80
* LDL indicates Lower Detection Limit.								
** All units are in $\mu\text{g}/\text{m}^3$, 24 hourly Average.								
ANALYSED BY		REVIEWED BY		(Anil Raj Mishra) Authorized Signatory				
Note: The results above relate to the samples tested as received. This report can not be reproduced in part or full without the written permission of the HOD(Env), CMPDL RI-II.								
--- End of Report ---								
Page - 1 of 1								

		CENTRAL MINE PLANNING AND DESIGN INSTITUTE LIMITED Environment Laboratory, Regional Institute-II Ambient Air Quality Test Report				CMPDL RI-II KOYLA BHAWAN COMPLEX DHANBAD - 826005 Phone: 0226-221464 email: rdi2cmpdl@coalindia.in		
Test Report for Ambient Air Samples								
Month & Year	02/2025	Cluster	Misc.			ULR No.	TC14312500001548P	
Customer	Environment Department, Bharat Coking Coal Limited (BCCL), Koyla Bhawan, Dhanbad (B-mash gmnv bcc@coalindia.in)					Date of Issue	04.03.2025	
Project	Santidih Bhojidi washery buffer	Sample Ref. No.	REM/BCCL/2025/03	Sampling Method		CMPDL/RI-II/LPM 11, (IS 5182)		
Date of Sampling	10.02.25	24.02.25	Period of Analysis	10.02.25	03.03.2025	Zone of Station:	BUFFER ZONE	
Sl. No.	Parameter	Method of Analysis	Observed Values (In $\mu\text{g}/\text{m}^3$)		Range Of Testing	LDL	MoEF Standards Notification dated 25 th September, 2000 (GSR 742 E)	NAAQS, 2009
			1 st FN A3428	2 nd FN A3507				
1	PM ₁₀	IS-5182(Part-23):2006, R.2017	85	88	10 $\mu\text{g}/\text{m}^3$ - 1000 $\mu\text{g}/\text{m}^3$	10 $\mu\text{g}/\text{m}^3$	300	100
2	PM _{2.5}	IS-5182(Part-24):2019	41	39	10 $\mu\text{g}/\text{m}^3$ - 400 $\mu\text{g}/\text{m}^3$	10 $\mu\text{g}/\text{m}^3$	Not Specified	60
3	SO ₂	IS-5182(Part-2):2001, R.2017	<10	<10	10 $\mu\text{g}/\text{m}^3$ - 1050 $\mu\text{g}/\text{m}^3$	10 $\mu\text{g}/\text{m}^3$	120	80
4	NO ₂	IS-5182 (Part-6):2006, R.2017	26	25	06 $\mu\text{g}/\text{m}^3$ - 420 $\mu\text{g}/\text{m}^3$	06 $\mu\text{g}/\text{m}^3$	120	80
**All units are in $\mu\text{g}/\text{m}^3$, 24 hourly Average, * LDL indicates Lower Detection Limit.								
ANALYSED BY		REVIEWED BY		(Anil Raj Mishra) Authorized Signatory				
Note: The results above relate to the samples tested as received. This report can not be reproduced in part or full without the written permission of the HOD(Env), CMPDL RI-II.								
--- End of Report ---								
Page - 1 of 1								

JOB NO. 200318028

Miscellaneous, BCCL Environmental Monitoring Report

AMBIENT AIR QUALITY DATA



CMPDI, # II
KOYLA BHAWAN COMPLEX
DHANBAD, #3005
Phone: 026-221 850
email: rd@cmpdi.coalindia.in

CENTRAL MINE PLANNING AND DESIGN INSTITUTE LIMITED
Environment Laboratory, Regional Institute-II
Ambient Air Quality Test Report

Test Report for Ambient Air Samples

Month & Year	03/2025	Cluster	Misc.	ULR No.	TC143212500001606F			
Customer	Environment Department, Bharat Coking Coal Limited (BCCL), Koyla Bhawan, Dhanbad (E-mail: gaurav.bcccl@coalindia.in)			Date of Issue	30.04.2025			
Project	Bhojudih Washery-Industrial Area	Sample Ref. No.	REM/BCCL/2025/03	Sampling Method	CMPDI/RJ-II/LPM 11, (IS 5182)			
Date of Sampling	10.03.25	Period of Analysis	10.03.25	25.04.2025	Zone of Station:	CORE ZONE		
Sl. No.	Parameter	Method of Analysis	Observed Values (in µg/m ³)		Range Of Testing	LDL	MoEF Standards Notification dated 25 th September, 2000 (GSR 742 E)	NAAQS, 2009
			1 st FN A3585	2 nd FN A3057				
1	PM ₁₀	IS 5182(Part 23) 2006, R 2017	119	108	10 µg/m ³ - 1000 µg/m ³	10 µg/m ³	300	100
2	PM _{2.5}	IS 5182(Part 24) 2019	66	62	10 µg/m ³ - 400 µg/m ³	10 µg/m ³	Not Specified	60
3	SO ₂	IS 5182(Part-2) 2001, R-2017	12	<10	10 µg/m ³ - 1050 µg/m ³	10 µg/m ³	120	80
4	NO ₂	IS 5182 (Part-6) 2006, R-2017	33	24	06 µg/m ³ - 420 µg/m ³	06 µg/m ³	120	80

* LDL indicates Lower Detection Limit.
** All units are in µg/m³, 24 hourly Average.

ANALYSED BY:  (Gaurav Kant)
REVIEWED BY:  (Amit Raj Mishra)
Authorized Signatory

Note: The results above relate to the samples tested as received. This report can not be reproduced in part or full without the written permission of the HOD(Bvn), CMPDI, RJ-II.

--- End of Report ---
Page 1 of 1


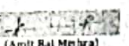
CMPDI, # II
KOYLA BHAWAN COMPLEX
DHANBAD, #3005
Phone: 026-221 850
email: rd@cmpdi.coalindia.in

CENTRAL MINE PLANNING AND DESIGN INSTITUTE LIMITED
Environment Laboratory, Regional Institute-II
Ambient Air Quality Test Report

Test Report for Ambient Air Samples

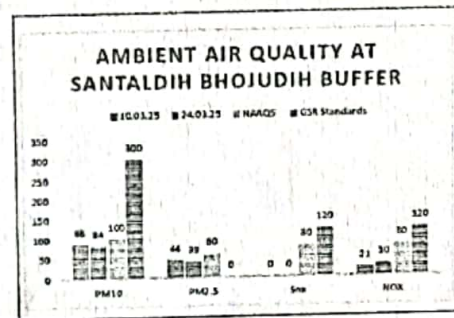
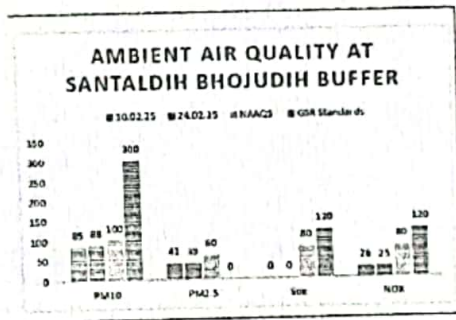
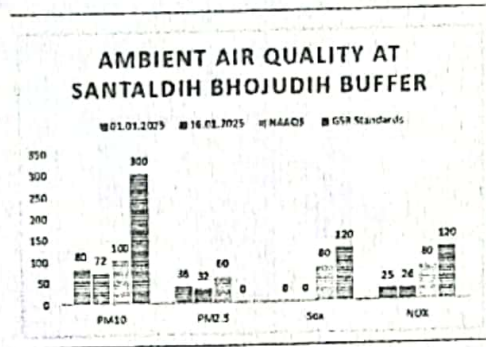
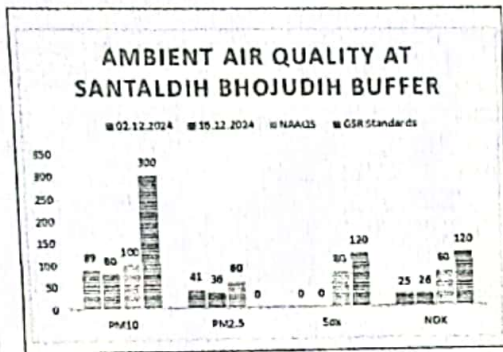
Month & Year	03/2025	Cluster	Misc.	ULR No.	TC143212500001606F			
Customer	Environment Department, Bharat Coking Coal Limited (BCCL), Koyla Bhawan, Dhanbad (E-mail: gaurav.bcccl@coalindia.in)			Date of Issue	30.04.2025			
Project	Saahajidh Bhojudih washery buffer	Sample Ref. No.	REM/BCCL/2025/03	Sampling Method	CMPDI/RJ-II/LPM 11, (IS 5182)			
Date of Sampling	10.03.25	Period of Analysis	10.03.25	24.04.25	Zone of Station:	BUFFER ZONE		
Sl. No.	Parameter	Method of Analysis	Observed Values (in µg/m ³)		Range Of Testing	LDL	MoEF Standards Notification dated 25 th September, 2000 (GSR 742 E)	NAAQS, 2009
			1 st FN A3589	2 nd FN A3058				
1	PM ₁₀	IS 5182(Part 23) 2006, R 2017	88	84	10 µg/m ³ - 1000 µg/m ³	10 µg/m ³	300	100
2	PM _{2.5}	IS 5182(Part 24) 2019	44	39	10 µg/m ³ - 400 µg/m ³	10 µg/m ³	Not Specified	60
3	SO ₂	IS 5182(Part 2) 2001, R 2017	<10	<10	10 µg/m ³ - 1050 µg/m ³	10 µg/m ³	120	80
4	NO ₂	IS 5182 (Part-6) 2006, R-2017	21	39	06 µg/m ³ - 420 µg/m ³	06 µg/m ³	120	80

* All units are in µg/m³, 24 hourly Average. * LDL indicates Lower Detection Limit.

ANALYSED BY:  (Gaurav Kant)
REVIEWED BY:  (Amit Raj Mishra)
Authorized Signatory

Note: The results above relate to the samples tested as received. This report can not be reproduced in part or full without the written permission of the HOD(Tw), CMPDI, RJ-II.

--- End of Report ---
Page 1 of 1



Annexure -III

CENTRAL MINE PLANNING AND DESIGN INSTITUTE LIMITED Environment Laboratory, Regional Institute-II Ambient Noise Level Test Report										ULR No.	TC191222468990019137		
Month & Year	12/2024	Cluster	Misc.	Customer	Environment Department, Bharat Coking Coal Limited (BCL), Kanya Bhawan, Dhanbad (Email: gopov.bcl@coalindia.in)			Sampling Method	16.12.2024		Date of Issue	27.01.2025	
Project	Bhujadik Washery	Sample Ref. No.	REM/RECL/2024/12	Date of Sampling	07.12.2024	Method of Analysis	CPCB Protocol for Ambient Level Noise Monitoring - 2015	Range Of Testing	35 dB-135 dB	Zone Category of Station	LDL	NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2002 Standards	CODE ZONE
Sl. No.	Parameter	Hour / Time of day	Observed Values (in Leq dB(A)) First Partnight	Observed Values (in Leq dB(A)) Second Partnight	Method of Analysis	Range Of Testing	Zone Category of Station	LDL	NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2002 Standards	CODE ZONE			
1	Noise Level dB(A)Leq - Day	0600 - 0700	45.6	44.7	CPCB Protocol for Ambient Level Noise Monitoring - 2015	35 dB-135 dB	35 dB (A)	Industrial Commercial Residential Silence	75 65 55 50				
2		0700 - 0800	45.6	46.7									
3		0800 - 0900	50	49.2									
4		0900 - 1000	53.9	52.8									
5		1000 - 1100	46.7	51.6									
6		1100 - 1200	51.6	51.5									
7		1200 - 1300	52.9	50.8									
8		1300 - 1400	54.5	48.8									
9		1400 - 1500	48.1	48									
10		1500 - 1600	47.2	46.1									
11		1600 - 1700	45.8	46.2									
12		1700 - 1800	45.2	45.3									
13		1800 - 1900	44.1	44.1									
14		1900 - 2000	39.4	43.8									
15		2000 - 2100	39.2	42.5									
16		2100 - 2200	39.7	50.7									
	Leq Day		44.6	36.9									
1	Noise Level dB(A)Leq - Night	2200 - 2300	33	31.4	CPCB Protocol for Ambient Level Noise Monitoring - 2015	35 dB-135 dB	35 dB (A)	Industrial Commercial Residential Silence	70 55 45 50				
2		2300 - 0000	33	31.1									
3		0000 - 0100	33.5	30.4									
4		0100 - 0200	31.1	30.5									
5		0200 - 0300	30.9	31.8									
6		0300 - 0400	31.2	35.2									
7		0400 - 0500	31.3	35.5									
8		0500 - 0600	32.4	33.4									
	Leq Night		32.4	33.4									

CENTRAL MINE PLANNING AND DESIGN INSTITUTE LIMITED Environment Laboratory, Regional Institute-II Ambient Noise Level Test Report										ULR No.	TC191222468990019137		
Month & Year	12/2024	Cluster	Misc.	Customer	Environment Department, Bharat Coking Coal Limited (BCL), Kanya Bhawan, Dhanbad (Email: gopov.bcl@coalindia.in)			Sampling Method	16.12.2024		Date of Issue	27.01.2025	
Project	Bhujadik Washery	Sample Ref. No.	REM/RECL/2024/12	Date of Sampling	02.12.2024	Method of Analysis	CPCB Protocol for Ambient Level Noise Monitoring - 2015	Range Of Testing	35 dB-135 dB	Zone Category of Station	LDL	NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2002 Standards	CODE ZONE
Sl. No.	Parameter	Hour / Time of day	Observed Values (in Leq dB(A)) First Partnight	Observed Values (in Leq dB(A)) Second Partnight	Method of Analysis	Range Of Testing	Zone Category of Station	LDL	NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2002 Standards	CODE ZONE			
1	Noise Level dB(A)Leq - Day	0600 - 0700	40.7	42.2	CPCB Protocol for Ambient Level Noise Monitoring - 2015	35 dB-135 dB	35 dB (A)	Industrial Commercial Residential Silence	75 65 55 50				
2		0700 - 0800	41.1	43.1									
3		0800 - 0900	41.6	43.8									
4		0900 - 1000	42.7	43.8									
5		1000 - 1100	43.7	48.5									
6		1100 - 1200	43.7	50.8									
7		1200 - 1300	43.9	51.8									
8		1300 - 1400	40.7	51.8									
9		1400 - 1500	43.9	51									
10		1500 - 1600	43.4	44.8									
11		1600 - 1700	43.3	45.2									
12		1700 - 1800	43.3	42.8									
13		1800 - 1900	40.7	40.8									
14		1900 - 2000	37.8	37.8									
15		2000 - 2100	37.2	47.4									
16		2100 - 2200	37.3	50.8									
	Leq Day		41.7	44.8									
1	Noise Level dB(A)Leq - Night	2200 - 2300	33.7	33.7	CPCB Protocol for Ambient Level Noise Monitoring - 2015	35 dB-135 dB	35 dB (A)	Industrial Commercial Residential Silence	70 55 45 50				
2		2300 - 0000	33.2	33.8									
3		0000 - 0100	30.4	30.8									
4		0100 - 0200	30	31.3									
5		0200 - 0300	31	31.3									
6		0300 - 0400	34.2	34.2									
7		0400 - 0500	34.2	34.2									
8		0500 - 0600	31.3	33.7									
	Leq Night		31.3	33.7									

CENTRAL MINE PLANNING AND DESIGN INSTITUTE LIMITED Environment Laboratory, Regional Institute-II Ambient Noise Level Test Report										
Month & Year	01/2025	Cluster	Misc.	ULR No.	TC1012246080016667	Date of Issue	18.02.2025			
Customer	Environment Department, Bharat Coking (and Limited) (BCL), Kanya Bhawan, Durgam Ch (8 main) gurgaon (Haryana) (India)	Project	Bharat Coking Washery	Sample Ref. No.	BIM/BCL/1825/01	Sampling Method				
Sl. No.	Parameter	Hour / Time of day	Observed Value (in Leq dB(A)) 1st or 2nd	Observed Value (in Leq dB(A)) Second or 1st	Date of Sampling	01.01.2025	16.01.2025	Zone Category of Station	NOISE POLLUTION (REGULATION AND CONTROL) BIRSE, 2000 Standards	COM Zone
1	Noise Level dB(A)Leq - Day	09:00 - 07:00	43.3	43.3	CPCB Protocol for Ambient Level Noise Monitoring - 2015	35 dB-135 dB	15	Industrial Commercial Residential Silence	75 65 55	
2		07:00 - 06:00	44.8	44.8						
3		06:00 - 05:00	48.9	48						
4		04:00 - 10:00	33.2	33.9						
5		10:00 - 11:00	48.9	48.9						
6		11:00 - 12:00	35.4	41.7						
7		12:00 - 11:00	49.9	51.2						
8		11:00 - 14:00	55.2	57.4						
9		14:00 - 15:00	47	48.7						
10		15:00 - 16:00	44	46.9						
11		16:00 - 17:00	44.1	45						
12		17:00 - 18:00	44	44						
13		18:00 - 19:00	41	43.1						
14		19:00 - 20:00	44	43						
15		20:00 - 21:00	38.3	41.9						
16		21:00 - 22:00	38.8	41.1						
17	Noise Level dB(A)Leq - Night	Long Day	42.4	43.4	CPCB Protocol for Ambient Level Noise Monitoring - 2015	35 dB-135 dB	15	Industrial Commercial Residential Silence	75 65 55	
1		22:00 - 2:00	36.8	38.2						
2		2:00 - 0:00	36.9	35						
3		0:00 - 01:00	34	33.1						
4		01:00 - 02:00	35.2	33.2						
5		02:00 - 03:00	33.8	33.2						
6		03:00 - 04:00	36.8	35.3						
7		04:00 - 05:00	37.1	38.4						
8	Long Night	34.4	34.1							

CENTRAL MINE PLANNING AND DESIGN INSTITUTE LIMITED Environment Laboratory, Regional Institute-II Ambient Noise Level Test Report										
Month & Year	01/2025	Cluster	Misc.	ULR No.	TC1012246080016667	Date of Issue	18.02.2025			
Customer	Environment Department, Bharat Coking (and Limited) (BCL), Kanya Bhawan, Durgam Ch (8 main) gurgaon (Haryana) (India)	Project	Bharat Coking Washery	Sample Ref. No.	BIM/BCL/1825/01	Sampling Method				
Sl. No.	Parameter	Hour / Time of day	Observed Value (in Leq dB(A)) 1st or 2nd	Observed Value (in Leq dB(A)) Second or 1st	Date of Sampling	01.01.2025	16.01.2025	Zone Category of Station	NOISE POLLUTION (REGULATION AND CONTROL) BIRSE, 2000 Standards	COM Zone
1	Noise Level dB(A)Leq - Day	06:00 - 07:00	39.7	39	CPCB Protocol for Ambient Level Noise Monitoring - 2015	35 dB-135 dB	15	Industrial Commercial Residential Silence	75 65 55	
2		07:00 - 08:00	41.3	40.3						
3		08:00 - 09:00	45.4	45.3						
4		09:00 - 10:00	42.9	42.9						
5		10:00 - 11:00	42.3	46.6						
6		11:00 - 12:00	45.2	48.9						
7		12:00 - 13:00	48.8	49.8						
8		13:00 - 14:00	49.8	49.8						
9		14:00 - 15:00	31.3	40.8						
10		15:00 - 16:00	48.8	48.7						
11		16:00 - 17:00	48.9	49.7						
12		17:00 - 18:00	49.3	46.8						
13		18:00 - 19:00	42.6	44.8						
14		19:00 - 20:00	41.3	41.8						
15		20:00 - 21:00	41.3	40.4						
16		21:00 - 22:00	40.2	38						
17	Noise Level dB(A)Leq - Night	Long Day	40.4	40.4	CPCB Protocol for Ambient Level Noise Monitoring - 2015	35 dB-135 dB	15	Industrial Commercial Residential Silence	75 65 55	
1		22:00 - 2:00	38.3	38.2						
2		2:00 - 0:00	38.3	38						
3		0:00 - 01:00	34.2	37.7						
4		01:00 - 02:00	34	35.9						
5		02:00 - 03:00	34.8	35.5						
6		03:00 - 04:00	34.8	35.9						
7		04:00 - 05:00	34.4	38						
8	Long Night	34.7	34.7							

CENTRAL MINE PLANNING AND DESIGN INSTITUTE LIMITED
Environment Laboratory, Regional Institute-II
Ambient Noise Level Test Report

CMPDL, B-18
ROYLA BHAVAN COMPLEX
DHANBAD - 815005
Phone: 0376-235450
Email: mpls@cmpdl.in

Month & Year	02/2025	Cluster	Mine	MR No.	TC1432125040013827			
Customer	Environment Department, Bharat Coking Coal Limited (BCL), Barwa Bharwa, District-II (Email: gmee@bcl.co.in)			Date of Issue	04.03.2025			
Project	Bharat Coking Coal	Sample Ref. No.	BCL/BCL/2025/02	Sampling Method	CMFDI/II-II/LPM 22			
Sl. No.	Parameter	Hour / Time of Day	Observed Values [in Leq dBA] (Fast Forward)	Observed Values [in Leq dBA] (Fast Forward)	Method of Analysis	Range of Testing	Zone Category of Station	NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2002 Standards (Leq in dB)
1	Noise Level dBA/Leq - Day	0800 - 0700	42.5	41.9	CPCB Protocol for Ambient Level Noise Monitoring - 2015	35 dB - 125 dB	35 dB (A)	Industrial Commercial Residential Silence
2		0700 - 0800	42.8	42.8				
3		0800 - 0900	46.8	45.3				
4		0900 - 1000	50.1	48.2				
5		1000 - 1100	46.6	47.7				
6		1100 - 1200	48.5	48.1				
7		1200 - 1300	47.9	50				
8		1300 - 1400	52.9	46.7				
9		1400 - 1500	45.2	45				
10		1500 - 1600	44.1	43.1				
11		1600 - 1700	42.6	42.3				
12		1700 - 1800	41.3	41.9				
13		1800 - 1900	41.2	40.1				
14		1900 - 2000	38.8	38.2				
15		2000 - 2100	37.8	37.7				
16		2100 - 2200	37.2	37.9				
17	Noise Level dBA/Leq - Night	Long Day	40.3	40	CPCB Protocol for Ambient Level Noise Monitoring - 2015	35 dB - 125 dB	35 dB (A)	Industrial Commercial Residential Silence
1		2300 - 2400	38.3	38				
2		2400 - 0100	38.6	37.6				
3		0100 - 0200	38.1	36.6				
4		0200 - 0300	37.8	36.7				
5		0300 - 0400	37.2	36.6				
6		0400 - 0500	38.3	38.2				
7		0500 - 0600	39.8	38.1				
18	Long Night	38.1	37.9					

Sampling Assurances ANALYSED BY: [Signature] [Name] [Address]

Note: The results shown relate to the samples tested as received. This report can not be reproduced in part or full without the written permission of the M&D, CMPDL B-18.

Page 1 of 1

CENTRAL MINE PLANNING AND DESIGN INSTITUTE LIMITED
Environment Laboratory, Regional Institute-II
Ambient Noise Level Test Report

CMPDL, B-18
ROYLA BHAVAN COMPLEX
DHANBAD - 815005
Phone: 0376-235450
Email: mpls@cmpdl.in

Month & Year	02/2025	Cluster	Mine	MR No.	TC1432125040013827			
Customer	Environment Department, Bharat Coking Coal Limited (BCL), Barwa Bharwa, District-II (Email: gmee@bcl.co.in)			Date of Issue	04.03.2025			
Project	Bharat Coking Coal	Sample Ref. No.	BCL/BCL/2025/02	Sampling Method	CMFDI/II-II/LPM 22			
Sl. No.	Parameter	Hour / Time of Day	Observed Values [in Leq dBA] (Fast Forward)	Observed Values [in Leq dBA] (Fast Forward)	Method of Analysis	Range of Testing	Zone Category of Station	NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2002 Standards (Leq in dB)
1	Noise Level dBA/Leq - Day	0800 - 0700	38	37.8	CPCB Protocol for Ambient Level Noise Monitoring - 2015	35 dB - 125 dB	35 dB (A)	Industrial Commercial Residential Silence
2		0700 - 0800	38.7	38.8				
3		0800 - 0900	38.8	38.5				
4		0900 - 1000	38.8	38.3				
5		1000 - 1100	39.9	40.2				
6		1100 - 1200	47.8	47.5				
7		1200 - 1300	48.8	47.6				
8		1300 - 1400	47.4	47.2				
9		1400 - 1500	43.2	41.7				
10		1500 - 1600	47.8	47.7				
11		1600 - 1700	48.5	47.2				
12		1700 - 1800	41.4	40.9				
13		1800 - 1900	40.8	41.7				
14		1900 - 2000	38.7	40.1				
15		2000 - 2100	38.8	38.8				
16		2100 - 2200	38.5	38.9				
17	Noise Level dBA/Leq - Night	Long Day	44.4	44.1	CPCB Protocol for Ambient Level Noise Monitoring - 2015	35 dB - 125 dB	35 dB (A)	Industrial Commercial Residential Silence
1		2300 - 2400	46	39.9				
2		2400 - 0100	40	39.9				
3		0100 - 0200	37	37.5				
4		0200 - 0300	35.3	37.1				
5		0300 - 0400	35.9	37.1				
6		0400 - 0500	36	37.1				
7		0500 - 0600	37.2	38.2				
18	Long Night	44.1	44.1					

Sampling Assurances ANALYSED BY: [Signature] [Name] [Address]

Note: The results shown relate to the samples tested as received. This report can not be reproduced in part or full without the written permission of the M&D, CMPDL B-18.

Page 1 of 1

JOB NO. 200316028

Miscellaneous, BCL Environmental Monitoring Report

CENTRAL MINE PLANNING AND DESIGN INSTITUTE LIMITED Environmental Laboratory, Regional Institute-II Ambient Noise Level Test Report										ULR No.	TC1432123000017207
Month & Year	03/2023	Cluster	Mine							Date of Issue	29.04.2023
Customer	Environment Department, Bharat Coking Coal Limited (BCL), Kanya Bhanwa, Dhanbad (1.5 m. B. ground level @ 100m level)							Sampling Method	CNC/11/LPM/22		
Project	Bharat Coking Coal Limited (BCL), Kanya Bhanwa, Dhanbad (1.5 m. B. ground level @ 100m level)							Sample Ref. No.	BCL/BCL/2023/03		
Sl. No.	Parameter	Hour / Time of Day	Observed Values (in Leq dBA) First Footcandle	Observed Values (in Leq dBA) Second Footcandle	Method of Analysis	10 03 25	24 03 25	Zone Category of Station	NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2002 Standards	CO-RE ZONE	
1	Noise Level dBA (Leq - Day)	0500 - 0700	44.5	41.7	CNC Protocol for Ambient Level Noise Monitoring - 2013	10 03 25	24 03 25	IS 9500 (A)	Industrial Commercial Residential Silence	75 65 55 50	
2		0700 - 0800	44.8	41.8							
3		0800 - 0900	48.8	46							
4		0900 - 1200	52.9	51.9							
5		1200 - 1300	48.6	49.8							
6		1300 - 1700	50.5	51.1							
7		1700 - 1900	49.6	45							
8		1900 - 2100	52.3	52.3							
9		2100 - 2200	47	48.7							
10		2200 - 1900	44	47							
11		1900 - 1700	44.5	45							
12		1700 - 1800	44.2	44.2							
13		1800 - 1600	43	45.1							
14		1900 - 2000	38.6	41.9							
15		2000 - 2100	38.2	41.4							
16		2100 - 2200	42.4	43.4							
1	Noise Level dBA (Leq - Night)	Leq Day	49.5	42.7	CNC Protocol for Ambient Level Noise Monitoring - 2013	10 03 25	24 03 25	IS 9500 (A)	Industrial Commercial Residential Silence	78 68 58 50	
2		2300 - 0400	40.8	40							
3		0400 - 0500	40.1	38.6							
4		0500 - 0600	39.8	38.7							
5		0600 - 0800	39.3	38.8							
6		0800 - 0900	38.3	40.2							
7		0900 - 1000	38.8	40.9							
8		1000 - 1100	40.1	40.6							

CENTRAL MINE PLANNING AND DESIGN INSTITUTE LIMITED Environmental Laboratory, Regional Institute-II Ambient Noise Level Test Report										ULR No.	TC1432123000027309
Month & Year	03/2023	Cluster	Mine							Date of Issue	29.04.2023
Customer	Environment Department, Bharat Coking Coal Limited (BCL), Kanya Bhanwa, Dhanbad (1.5 m. B. ground level @ 100m level)							Sampling Method	CNC/11/LPM/22		
Project	Bharat Coking Coal Limited (BCL), Kanya Bhanwa, Dhanbad (1.5 m. B. ground level @ 100m level)							Sample Ref. No.	BCL/BCL/2023/03		
Sl. No.	Parameter	Hour / Time of Day	Observed Values (in Leq dBA) First Footcandle	Observed Values (in Leq dBA) Second Footcandle	Method of Analysis	10 03 25	24 03 25	Zone Category of Station	NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2002 Standards	CO-RE ZONE	
1	Noise Level dBA (Leq - Day)	0600 - 0700	39.4	39.2	CNC Protocol for Ambient Level Noise Monitoring - 2013	10 03 25	24 03 25	IS 9500 (A)	Industrial Commercial Residential Silence	75 65 55 50	
2		0700 - 0800	41.1	40.8							
3		0800 - 0900	46.2	36							
4		0900 - 1200	41.3	40.7							
5		1200 - 1300	41.4	41.7							
6		1300 - 1700	40.6	40.2							
7		1700 - 1900	44.5	43.9							
8		1900 - 2100	49.1	47							
9		2100 - 2200	51	49.3							
10		2200 - 1900	48.3	49.4							
11		1900 - 1700	48.2	48							
12		1700 - 1800	43.8	43.9							
13		1800 - 1600	43.8	44.3							
14		1900 - 2000	41.1	41.6							
15		2000 - 2100	46.2	46							
16		2100 - 2200	49.4	49.9							
1	Noise Level dBA (Leq - Night)	Leq Day	44	41.2	CNC Protocol for Ambient Level Noise Monitoring - 2013	10 03 25	24 03 25	IS 9500 (A)	Industrial Commercial Residential Silence	78 68 58 50	
2		2300 - 0400	41.2	40.6							
3		0400 - 0500	41.3	40.4							
4		0500 - 0600	38.1	38.6							
5		0600 - 0800	37.9	38.8							
6		0800 - 0900	38.9	38.8							
7		0900 - 1000	37	38							
8		1000 - 1100	38.1	38.9							



भारत कोकिंग कोल लिमिटेड

(एक निजीरतल कम्पनी)

(कोल इण्डिया लिमिटेड का एक अंग)

सूचना

यह सभी सम्बंधितों की जानकारी के लिये है कि पर्यावरण वन और जलवायु परिवर्तन मंत्रालय ने भारत कोकिंग कोल लिमिटेड को भोजपूरी एन.एल. डब्ल्यू कोल घाशरी को निम्नानुसार पर्यावरण मंजूरी प्रदान की है।

क्रम सं.	प्रोजेक्ट नाम	वर्गीकरण पत्र नं. एवं दिनांक
1.	जिला पुरुलिया, पश्चिम बंगाल में स्थित 15 हे० के एरिया में 2 एमटीपीए क्षमता वाले भारत कोकिंग कोल लिमिटेड का भोजपूरी एन एल डब्ल्यू कोल घाशरी	जे-11015/432/2013/आई.ए. II (एम) दिनांक 10 अगस्त 2016

पर्यावरण मंजूरी प्रदान की गयी है जिसकी कानूनी पश्चिम बंगाल प्रदूषण नियंत्रण बोर्ड में उपलब्ध है और एम.ओ.ई.एफ.सी.सी के कार्यालय की वेबसाइट <http://envfor.nic.in> और भारत कोकिंग कोल लिमिटेड के कार्यालय की वेबसाइट <http://bcelweb.in> पर भी देखा जा सकता है।



भारत कोकिंग कोल लिमिटेड

ए निजीरतल कम्पनी

(कोल इण्डिया लिमिटेड का एक अंग)

कमलाडवन, कमलानगर, धानबाद-८२७००१६

पर्यावरण विभाग

विज्ञापित

सकल सम्बंधित व्यक्तिगत सूचित करना है कि पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय ने भारत कोकिंग कोल लिमिटेड को भोजपूरी एन.एल. डब्ल्यू कोल घाशरी पर पर्यावरण मंजूरी प्रदान की है।

क्रम संख्या	प्रोजेक्ट का नाम	श्रीकृतिपत्र संख्या और तारीख
१	पुरुलिया जिले में स्थित पश्चिम बंगाल में अवस्थित भारत कोकिंग कोल लिमिटेड का भोजपूरी एन.एल. डब्ल्यू कोल घाशरी पर पर्यावरण मंजूरी प्रदान की गयी है जिसकी कानूनी पश्चिम बंगाल प्रदूषण नियंत्रण बोर्ड में उपलब्ध है और एम.ओ.ई.एफ.सी.सी के कार्यालय की वेबसाइट http://envfor.nic.in और भारत कोकिंग कोल लिमिटेड के कार्यालय की वेबसाइट http://bcelweb.in पर भी देखा जा सकता है।	J-11015/432/2013-IA. II(M), 10 अगस्त 2016

पर्यावरण मंजूरी प्रदान की गयी है जिसकी कानूनी पश्चिम बंगाल प्रदूषण नियंत्रण बोर्ड में उपलब्ध है और एम.ओ.ई.एफ.सी.सी के कार्यालय की वेबसाइट <http://envfor.nic.in> और भारत कोकिंग कोल लिमिटेड के कार्यालय की वेबसाइट <http://bcelweb.in> पर भी देखा जा सकता है।

2nd Telegraphical on 8/7/10

TENDER



Bharat Coking Coal Limited

'A Mini Ratna Company'

(A Subsidiary of Coal India Limited)

NOTICE

This is for information of all concerned that Ministry of Environment, Forest & Climate change has granted Environment Clearance to Bhojudih NLW Coal Washery of Bharat Coking Coal Limited as following :

Sl. No.	Project Name	Clearance Letter No. & Date
1.	Bhojudih NLW Coal Washery of Bharat Coking Coal Limited with 2MTPA capacity in an area of 15 Ha located in district Purulla, West Bengal.	J-11015/432/2013/1A.II (M) dated 10 August 2016

The Environment Clearance is granted vide copy of which is available with West Bengal Pollution Control Board and can be seen at official website of MOEFCC at <http://envfor.nic.in> and at official website of Bharat Coking Coal Limited at <http://bcclweb.in>

ANNEXURE V

Office of the Project Officer
Bhojudih Coal Washery,
Santalalidh,
Dist: Purulia,
West Bengal
Pin: 723145



Bharat Coking Coal Limited
A Subsidiary of Coal India Limited
Regd. Off: Koyla Bhawan, Koyla Nagar,
Dhanbad - 826005
CIN : U10101JH11972601000911
Ph: 0326-2222644 FAX: 0326 2222611

DT: 10.09.2016

Ref. No. PO:BJ:PS:16-17-109

To,
The General Manager, D.I.C
Purulia, WB

Sub: Regarding Environmental Clearance for Bhojudih NLW Coal Washery Project of 2.0 MTPA of M/s Bharat Coking Coal Limited in an area of 15 ha located in District- Purulia (West Bengal).

Dear Sir,

Enclosed herewith please find a letter no. J-11015/432/2013-IA-II(M) dated:10.08.2016 of Environmental Clearance of Bhojudih NLW Coal Washery Project of 2.0 MTPA of M/s Bharat Coking Coal Limited in an area of 15 ha located in District- Purulia (West Bengal) issued by Sri S.K. Srivastava, Scientist F of Ministry of Environment, Forest & Climate Change, New Delhi for your kind information per guidelines of Mo.F.

Please acknowledge this.

Thanking you

Incl: A.S.

Yours faithfully

10.09.16
Project Officer
Bhojudih Coal Washery



o/c

Office of the Project Officer
Bhojudih Coal Washery,
Santalidih,
Dist: Purulia,
West Bengal
Pin: 723145



Bharat Coking Coal Limited
A Subsidiary of Coal India Limited
Regd.Off: KoylaBhawan, Koyla Nagar,
Dhanbad - 826005
CIN : U10101JH1972GO1000918
Ph: 0326-2222644 FAX: 0326-2222642

Dt: 10.09.2016

Ref. No.PO:BJ:PS:16-17/-

To,
The Sabhadhipati, Purulia Zilla Parishad
Purulia, West Bengal

Sub: Regarding Environmental Clearance for Bhojudih NLW Coal Washery Project of 2.0 MTPA of M/s Bharat Coking Coal Limited in an area of 15 ha located in District- Purulia (West Bengal).

Dear Sir,

Enclosed herewith please find a letter no. J-11015/432/2013-IA-II(M) dated:10.08.2016 of Environmental Clearance of Bhojudih NLW Coal Washery Project of 2.0 MTPA of M/s Bharat Coking Coal Limited in an area of 15 ha located in District- Purulia (West Bengal) issued by Sri S.K. Srivastava, Scientist E of Ministry of Environment, Forest & Climate Change, New Delhi for your kind information as per guidelines of MoEF.

Please acknowledge this.

Thanking you

Encl: A.S.

Yours faithfully


10.09.16
Project Officer

Bhojudih Coal Washery



Office of the Project Officer
Bhojudih Coal Washery,
Santalidih,
Dist: Purulia,
West Bengal
Pin: 723145



Bharat Coking Coal Limited
A Subsidiary of Coal India Limited
Regd.Off: KoylaBhawan, Koylu Nagar,
Dhanbad -- 826005
CIN : U10101JH1972GO100091H
Ph: 0326-2222644 FAX: 0326-2222642

Ref. No.PO:BJ:PS:16-17/- 109

Dt: 10.09.2016

To,
The District Magistrate,
Purulia District, West Bengal

Sub: Regarding Environmental Clearance for Bhojudih NLW Coal Washery Project of 2.0 MTPA
of M/s Bharat Coking Coal Limited in an area of 15 ha located in District- Purulia (West
Bengal).

Dear Sir,

Enclosed herewith please find a letter no. J-11015/432/2013-IA-II(M) dated:10.08.2016 of
Environmental Clearance of Bhojudih NLW Coal Washery Project of 2.0 MTPA of M/s Bharat Coking Coal
Limited in an area of 15 ha located in District- Purulia (West Bengal) issued by Sri S.K. Srivastava,
Scientist E of Ministry of Environment, Forest & Climate Change, New Delhi for your kind information as
per guidelines of MoEF.

Please acknowledge this.

Thanking you

Encl: A.S.

Yours faithfully,

10-09-16
Project Officer

Bhojudih Coal Washery-

ok



Office of the Project Officer
Bhojudih Coal Washery,
Santalidih,
Dist: Purulia,
West Bengal
Pin: 723145



Bharat Coking Coal Limited
A Subsidiary of Coal India Limited
Regd. Off: Koyla Bhawan, Koyla Nagar,
Dhanbad - 826003
CIN : U10101.JI11972G01000911
Ph: 0326-2222644 FAX: 0326-2222642

Ref. No. PO:BJ:PS:16-17/- 109

Dt: 10.09.2016

To,
The SDO, Raghunathpur Sub-Division
Purulia, West Bengal

Sub: Regarding Environmental Clearance for Bhojudih NLW Coal Washery Project of 2.0 MTPA of M/s Bharat Coking Coal Limited in an area of 15 ha located in District- Purulia (West Bengal).

Dear Sir,

Enclosed herewith please find a letter no. J-11015/432/2013-IA-II(M) dated: 10.08.2016 for Environmental Clearance of Bhojudih NLW Coal Washery Project of 2.0 MTPA of M/s Bharat Coking Coal Limited in an area of 15 ha located in District- Purulia (West Bengal) issued by Sri S.K. Srivastava, Scientist E of Ministry of Environment, Forest & Climate Change, New Delhi for your kind information per guidelines of MoEF.

Please acknowledge this.

Thanking you

Encl: A.S.

Your faithful

10.09.16

Project Officer

Bhojudih Coal Washery

O/c



Office of the Project Officer
Bhojudih Coal Washery,
Santalidih,
Dist: Purulia,
West Bengal
Pin: 723145



Bharat Coking Coal Limited
A Subsidiary of Coal India Limited
Regd.Off: KoylaBhawan, Koyla Nagar.
Dhanbad - 826005
CIN : U10101JH11972GOI00091H
Ph: 0326-2222644 FAX: 0326-2222642

Ref. No.PO:BJ:PS:16-17-109

Dt: 10.09.2016

To,
The Block Development Officer, Raghunathpur-II Block
Cheliyama, Purulia

Sub: Regarding Environmental Clearance for Bhojudih NLW Coal Washery Project of 2.0 MTPA of M/s Bharat Coking Coal Limited in an area of 15 ha located in District- Purulia (West Bengal).

Dear Sir,

Enclosed herewith please find a letter no. J-11015/432/2013-IA-II(M) dated:10.08.2016 of Environmental Clearance of Bhojudih NLW Coal Washery Project of 2.0 MTPA of M/s Bharat Coking Coal Limited in an area of 15 ha located in District- Purulia (West Bengal) issued by Sri S.K. Srivastava, Scientist E of Ministry of Environment, Forest & Climate Change, New Delhi for your kind information per guidelines of MoEF.

Please acknowledge this.

Thanking you

Encl: A.S.

Yours Faithfully,

10.09.16
Project Officer

Bhojudih Coal Washery



Office of the Project Officer
Bhojudih Coal Washery,
Santalidih,
Dist: Purulia,
West Bengal
Pin: 723145



Bharat Coking Coal Limited
A Subsidiary of Coal India Limited
Regd. Off: KoylaBhawan, Koyla Nagar,
Dhanbad - 826005
CIN : U10101JH1972CO1000918
Ph: 0326-2222644 FAX: 0326-2222642

Dt: 10.09.2016

Ref. No. PO:BJ:PS:16-17/- | 09

To,
The BLRO, Raghunathpur-II Block
Bhojiam, Purulia

Sub: Regarding Environmental Clearance for Bhojudih NLW Coal Washery Project of 2.0 MTPA of M/s Bharat Coking Coal Limited in an area of 15 ha located in District- Purulia (West Bengal).

Dear Sir,

Enclosed herewith please find a letter no. J-11015/432/2013-IA-II(M) dated: 10.08.2016 of Environmental Clearance of Bhojudih NLW Coal Washery Project of 2.0 MTPA of M/s Bharat Coking Coal Limited in an area of 15 ha located in District- Purulia (West Bengal) issued by Sri S.K. Srivastava, Scientist E of Ministry of Environment, Forest & Climate Change, New Delhi for your kind information in the guidelines of MoEF.

Please acknowledge this.

Thanking you

Encl: A.S.

Received
Date: 12/9/16
For BL & L.R.O.
R.N. Pur-II, Purulia

Yours faithfully,

10.09.16
Project Officer

Bhojudih Coal Washery

o/c

Office of the Project Officer
Bhjudih Coal Washery,
Santalidih,
Dist: Purulia,
West Bengal
Pin: 723145



Bharat Coking Coal Limited
A Subsidiary of Coal India Limited
Regd. Off: KoylaBhawan, Koyla Nagar,
Dhanbad - 826005
CIN : U10101JH11972G:0100091H
Ph: 0326-2222644 FAX: 0326-2222642

Dt: 10.09.2016

Ref. No. PO:BJ:PS:16-17/- 109

To,
The Block Sabhapati, Raghunathpur-II Block
Cheliyama, Purulia

Sub: Regarding Environmental Clearance for Bhjudih NLW Coal Washery Project of 2.0 MTPA of M/s Bharat Coking Coal Limited in an area of 15 ha located in District- Purulia (West Bengal).

Dear Sir,

Enclosed herewith please find a letter no. J-11015/432/2013-IA-II(M) dated:10.08.2016 of Environmental Clearance of Bhjudih NLW Coal Washery Project of 2.0 MTPA of M/s Bharat Coking Coal Limited in an area of 15 ha located in District- Purulia (West Bengal) issued by Sri S.K. Srivastava, Scientist E of Ministry of Environment, Forest & Climate Change, New Delhi for your kind information as per guidelines of MoEF.

Please acknowledge this.

Thanking you

Encl: A.S.



o/c

Yours Faithfully,

10.09.16
Project Officer

Bhjudih Coal Washery

Office of the Project Officer
Bhojudih Coal Washery,
Santaldih,
Dist: Purulia,
West Bengal
Pin: 723145



Bharat Coking Coal Limited
A Subsidiary of Coal India Limited
Regd.Off: KoylaBhawan, Koyla Nagar
Dhanbad - 826005
CIN : U10101JH11972GO1000918
Ph: 0326-2222644 FAX: 0326-2222642

Ref. No.PO:BJ:PS:16-17/- 109

Dt: 10.09.2016

To,
The Panchayet Pradhan
Chelivama G.P., Purulia

Sub: Regarding Environmental Clearance for Bhojudih NLW Coal Washery Project of 2.0 MTPA of M/s Bharat Coking Coal Limited in an area of 15 ha located in District- Purulia (West Bengal).

Dear Sir,

Enclosed herewith please find a letter no. J-11015/432/2013-IA-II(M) dated:10.08.2016 of Environmental Clearance of Bhojudih NLW Coal Washery Project of 2.0 MTPA of M/s Bharat Coking Coal Limited in an area of 15 ha located in District- Purulia (West Bengal) issued by Sri S.K. Srivastava, Scientist E of Ministry of Environment, Forest & Climate Change, New Delhi for your kind information as per guidelines of MoEF.

Please acknowledge this.

Thanking you

Encl: A.S.

Yours faithfully,

10.09.16
Project Officer

Bhojudih Coal Washery



ANNEXURE -VI

FORM V (See Rule 14)

Environmental Statement for the financial year ending on 31st March 2024

PART A

- (i) Name and address of the owner/ occupier of the industry operation or process.
Name: Sh. P C Jha
Design. : Project Officer/EIC 2.0 MTPA Bhojudih Washery
Address: Post -Neori Vikas, Ranchi- 835217
Industry category Primary-Orange Category.
- (ii) Production capacity-2.0 MTPA (Peak production Capacity) as per EC granted to 2.0 MTPA Bhojudih NLW Coal Washery by MoEF&CC.
- (iii) Year of establishment - 2024
- (iv) Date of the last Environmental Statement submitted – 15.04.2024

PART B

Water and Raw Material Consumption

I. Water consumption in m³/ d – 720 Cu. Meter/day (at Peak production)

Name of Products	Process water consumption(Cu.Mtr/Day)	
	During the previous financial year	During the Current financial year
1. Clean Coal	NIL	NIL
2. Washed Power Coal	NIL	NIL
3. Rejects	NIL	NIL

II. Raw material consumption

Name of Raw Material		Consumption of raw material	
		During the previous financial year	During the Current financial year
Raw Coal	1. Clean Coal, Washed Power Coal, Rejects	NIL	NIL
Magnetite	1. Clean Coal, Washed Power Coal, Rejects	NIL	NIL

PART C

Pollution discharged to environment/ unit of output.

Pollutants	Quantity of pollutants discharged(mass/day)	Concentration of pollutants discharged(mass/day)	Percentage of variation from prescribed standards
a) Water	Washery to be operated under zero liquid discharge		
b) Air		NIL	
c) Noise		NIL	

PART D

Hazardous Wastes

(as specified under Hazardous Wastes (Management and Handling) Rules, 1989)

Hazardous Wastes	Total Quantity (Kg)	
	During the previous financial year	During the Current financial year
1. From Process	NIL	NIL
2. From Pollution Controlled facilities	NIL	NIL
Burnt Oil	NIL	NIL

PART E

Solid Wastes

Solid Wastes	Total Quantity (Kg)	
	During the previous financial year	During the Current financial year
1. From Process	NIL	NIL
2. From Pollution Controlled facilities	NIL	NIL
Burnt Oil	NIL	NIL

PART F

Please specify the characterization (in terms of composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

As mentioned in Part D & Part E of this statement, no quantity of hazardous as well as solid wastes has been generated. After commissioning of the washery, Burnt oil (spent oil/used oil) will be disposed off to a disposal facility through E-auction on MSTC portal, a Govt. of India Undertaking.

PART G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

In order to carry out washery operations in eco-friendly manner the following pollution control measures will be adopted after commissioning of the washery.

- Water sprinkling will be done on coal transportation road by mobile water tanker.
- Regular sprinkling of water at coal transfer and loading points as well as other dusty areas will be done.
- Code of conduct for washeries will be followed.
- Safety equipment such as safety helmets, ear muffles, gumboots etc. will be provided to operators and others exposed to high level noise.

PART H

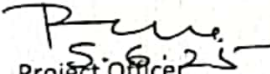
Additional measures/ investment proposal for environmental protection abatement of pollution, prevention of pollution.

- Ambient environment monitoring will be continued as per guidelines of MoEF&CC and West Bengal State Pollution Control Board.
- Continuous Monitoring online PM10 analyzer will be installed in the washery.
- The conveyor belt transfer points will be fitted with fixed water sprinkling arrangements for dust suppression.

PART I

Any other particulars for improving the quality of the environment.

- Water sprinkling: Regular water sprinkling will be done on coal transportation route.
- Road Maintenance: Regular maintenance of roads will be carried out.
- Plantation will be done on boundary of slime pond.


Project Officer
2.0 MTPA Bhojudih Washery EIC

2.0 MTPA Bhojudih Washery
BCL