



Serving coking coal to the nation



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

पत्र संख्या: बी. सी. सी. एल./वा. नि. वि./म. प्र./2025/२६०(H)

दिनांक: 11.06.2025

सेवा में,

The Director

Ministry of Environment, Forests & Climate Change.

Govt. of India,

Eastern-Central Regional Office (ECZ),

Bungalow No. A-2, Shymali Colony

Ranchi - 834002

Sub: Six monthly compliance report of EC conditions for the period from October 2024 to March 2025 in respect of Patherdih 2.5 Mtpa NLW Coal Washery of Bharat Coking Coal Limited.

Ref: EC order No.J-11015/177/2014 1A-11(M) dated 06.07.2015

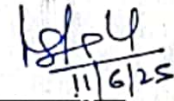
महोदय,

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 Patherdih 2.5 MTPA NLW Coal Washery of Bharat Coking Coal Limited.

Thanking you

Encl: As above.

भवदीय,



महाप्रबंधक
वाशरी निर्माण विभाग

प्रतिलिपि:

1. Director, 1A Monitoring Cell, Paryavaran Bhawan, CGO complex, New Delhi-110003.
2. Scientist and Incharge, Zonal Office, Central Pollution Control Board, Kolkata
3. Member Secretary, Jharkhand State Pollution Control Board, T. A. Division Building (Ground Floor), HEC Dhurba, Ranchi-834004
4. GM (Env.), BCCL, HQ. K.B., Dhanbad

पंजीकृत कार्यालय: कोयला भवन, कोयला नगर, बीसीसीएल टाउनशिप, धनबाद, झारखंड -826005, भारत

Registered Office: Koyla Bhawan, Koyla Nagar, BCCL Township, Dhanbad, Jharkhand-826005, India

फोन, Phone: 0326-2236000. वेबसाइट Website: www.bccfweb.in, CIN-U10101JH1972GOI000918

**Six Monthly Report on Compliance to Environment Clearance from MoEF, Govt. of
India for 2.5 Mtpa Patherdih NLW Coal Washery.**

October 2024 to March 2025

Present Status of 2.5 Mtpa Patherdih NLW Washery—WASHERY CONSTRUCTION WORK IS CONTINUED.

Ref. no.: 1. E-C vide J-11015/177/2014-IA.II (M) dated 06.07.2015 of MoEF, New Delhi.

A. SPECIFIC CONDITIONS:

Clause No.	Description	Compliance Status
i	There shall be no transportation of coal by road. Coal transportation shall be only by rail.	At present this clause is Not Applicable since the Washery is under construction.
ii	Raw coal intake and product dispatch will be through conveyor at railway siding existing besides the proposed washery.	Would be complied at the time of construction of the concerned section of the Washery.
iii	Raw coal (-200 mm) from designated collieries, namely, Gondudih OCP and Godhur U/G (Dhansar / industry / Kusunda / KhasKusunda) shall be transported by rail from KDS-Siding and KDS-K Siding.	At present this clause is Not Applicable since the Washery is under construction.
iv	Raw coal shall be received at the proposed Patherdih Coal Washery (2.5 MTPA) by rakes of 13011R Wagons and shall be unloaded into a 4500 Ton capacity receiving track hopper.	At present this clause is Not Applicable since the Washery is under construction.
v	Washed coal, from each coal Washery unit, shall be transported by a belt conveyor and stored in Washed Coal storage bunker (4000 Tons capacity).	Would be complied at the time of construction of the concerned section of the Washery.
vi	A travelling Tripper on top of the storage bunker shall distribute the washed coal into the bunker.	Would be complied at the time of construction of the concerned section of the Washery.
vii	The mine water shall be used for Washery and other purposes after appropriate treatment.	The Washery is yet to be commissioned. It will be complied during operation.
viii	Catchment area / check dams be constructed for rain water harvesting and the water there from the utilized and after adequate treatment	The Washery is yet to be commissioned. It will be complied during operation.
ix	Green belt shall be developed using local species all along the periphery of the site along the areas such as the crushing units and stockyards, transfer and loading points. The development of green belt shall be monitored and six monthly report shall be submitted to regional office.	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. (200 saplings have been planted).
x	Detailed plan for reclamation of land after dismantling of old Washery shall be submitted within six months.	It would be complied.

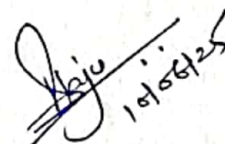
xi	Waste Water shall be effectively treated and recycled completely either for Washery or maintenance of green belt around the plant.	Washery will run on zero discharge concept. In the proposed washery, industrial effluent will be treated in a series of sedimentation pond and treated effluent will be recycled in the flow circuit of plant, leading to zero discharge from washery premises. It will be complied.
xii	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.
xiii	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
xiv	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.	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.
xv	All approach roads shall be black topped and internal roads shall be concreted. The roads shall be regularly cleaned with mechanical sweepers.	The washery is in construction phase. This condition will be complied at the time when washery operation starts.
xvi	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.	This condition will be complied at the time when washery operation starts.
xvii	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.	This condition will be complied at the time when washery operation starts.
xviii	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.
xix	Heavy metal content in raw coal, and washed coal shall be analysed once in a year and records maintained thereof.	This condition will be complied at the time when washery operation starts.

xx	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.	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.
xxi	The commitment made by the Proponent to the issue raised during Public Hearing shall be implemented by the Proponent.	It will be complied.
xxii	Corporate Environment Responsibility:	
Xxiii	a) The Company shall have a well laid down Environment Policy approved by the Board of Directors.	The company already have a well laid down environment policy duly approved by its Board of Directors.
Xiv	b) 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.	Agreed
Xxv	c) 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.	Hierarchical system or Administrative Order of the company to deal with environmental issues is attached (Annexure I)
xvi	d) 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.	An 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	
(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.	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 PM ₁₀ , PM _{2.5} , SO ₂ , and NO _x and will follow the guidelines of state pollution control board. It will be complied when the washery operation starts. 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.)
(iii)	Data on ambient air quality (PM ₁₀ , PM _{2.5} , SO ₂ and NO _x) and heavy metals such as Hg, As, Ni, Cd, Cr and other monitoring data shall be regularly submitted to the Ministry including its	It will be complied when the washery operation starts.

	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 recognized under the EPA rules, 1986 shall be furnished as part of compliance report.	
iv	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 as the Washery operation starts depending upon the operational requirement. Noise level quality monitoring is being regular done at 5.0 Mtpa Patherdih NLW Coal Washery. Ambient noise level report of 5.0 Mtpa Patherdih NLW Coal Washery is enclosed as ANNEXURE -III.
V	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	Washery construction is under process. It will be complied during operation.
Vi	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.
Vii	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
Viii	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.
Ix	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 environment due to outsourcing and the health and safety	It will be complied during operation.
X	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.
(xi)	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.

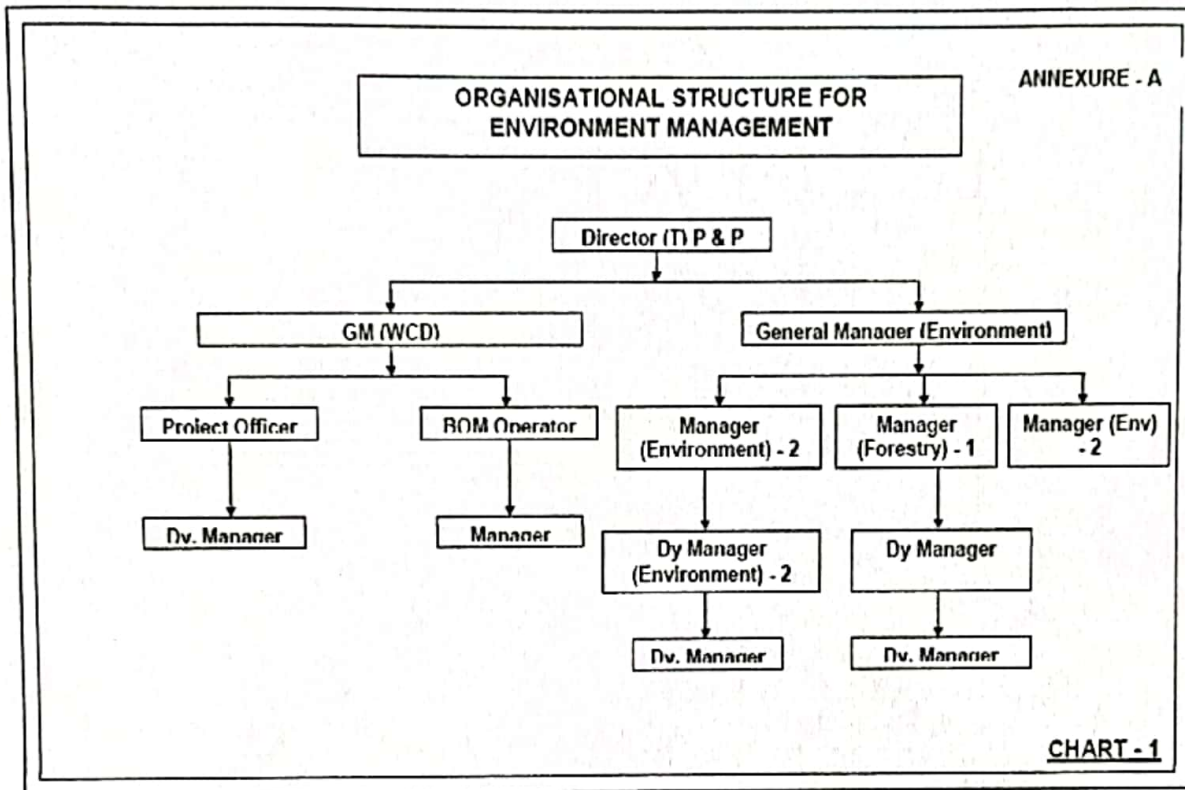
xii	The Project authorities shall advertise at least in two local newspapers widely circulated around the project, one of which shall be in the vernacular language of the locality concerned within seven days of the clearance letter informing that the project has been accorded environmental clearance 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> .
Xiii	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.
Xiv	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.
Xv	The clearance letter shall be uploaded on <i>the company's website</i> . <i>The compliance</i> 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. The monitoring, data of environmental quality parameter (air, water, noise and soil) and critical pollutant such as PM ₁₀ , PW5, SO ₂ and NO (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.	Complied. For Critical sectorial parameters it shall also be displayed at the entrance of the project premises once the Washery operations starts.
Xvi	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.	It is being complied

Xvii	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.
Xviii	The Environmental statement for each financial year ending 31 March is 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.	Agreed.

Handwritten signature and date: 14/06/25



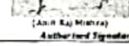
Project Officer/ EIC
2.5 MTPA Patherdih NLW Washery

ANNEXURE - I



ANNEXURE - II




12

 CENTRAL MINE PLANNING AND DESIGN INSTITUTE LIMITED Environment Laboratory, Regional Institute-II Ambient Air Quality Test Report										CENTRAL MINE PLANNING AND DESIGN INSTITUTE LIMITED Environment Laboratory, Regional Institute-II Phone: 0218-2218100 Email: rmlmp@vsnl.com		
Test Report for Ambient Air Samples										ULR No.	TCL012274002001378F	
Month & Year	12/2024	Cluster	Wst.	Customer						Environment Department, Ekam Cementing Coal Limited (ECL), Rayla Barwan, District (6- Machilipatnam) (6-100)	Date of Issue	17.01.2025
Project	Palivela Washery Industrial Area		Sample Ref. No.	SDM/BCCL/2024/118	Sampling Method		CMFDI/RI-II/LPM 11. (IS 5182)					
Date of Sampling	06.12.2024	Period of Analysis	27.12.2024	05.12.2024	25.01.2025	Name of Station		COSE ZONE				
Sl. No.	Parameter	Method of Analysis	Observed Values [in µg/m ³]		Range of Testing	LDL	MoEF Standards Notification dated 25th September, 2009 (GSR 742 E)	NAAQ, 2009				
			1st FN A3108	2nd FN A3218								
1	PM ₁₀	IS 5182(Part 2):2006, B.2017	127	118	10 µg/m ³ - 2000 µg/m ³	10 µg/m ³	300	100				
2	PM _{2.5}	IS 5182(Part 2):2006, B.2017	76	65	10 µg/m ³ - 600 µg/m ³	10 µg/m ³	Not Specified	60				
3	SO ₂	IS 5182(Part 2):2006, B.2017	<10	<10	10 µg/m ³ - 1050 µg/m ³	10 µg/m ³	12hour	80				
4	NO _x	IS 5182 (Part 6): 2008 B.2017	29	33	0.6 µg/m ³ - 420 µg/m ³	0.6 µg/m ³	120	80				
*All units are in µg/m ³ , unless otherwise specified. (In case of other units, conversion factor will be provided in the report)										ANALYSED BY:  (Gourav Kanti) REVIEWED BY:  (Anil Raj Mishra)		
Note: The results above refer to the samples tested & received. This report can not be reproduced in part or full without the written permission of the HOD(Env), CMFDI, RI-II.												
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JOB NO. 200316028



Miscellaneous, BCCL Environmental Monitoring Report

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


 CENTRAL MINE PLANNING AND DESIGN INSTITUTE LIMITED Environment Laboratory, Regional Institute-II Ambient Air Quality Test Report										CENTRAL MINE PLANNING AND DESIGN INSTITUTE LIMITED Environment Laboratory, Regional Institute-II Phone: 0218-2218100 Email: rmlmp@vsnl.com		
Test Report for Ambient Air Samples										ULR No.	TCL012274002001378F	
Month & Year	01/2025	Cluster	Wst.	Customer						Environment Department, Ekam Cementing Coal Limited (ECL), Rayla Barwan, District (6- Machilipatnam) (6-100)	Date of Issue	18.01.2025
Project	Palivela Washery Industrial Area		Sample Ref. No.	SDM/BCCL/2025/91	Sampling Method		CMFDI/RI-II/LPM 11. (IS 5182)					
Date of Sampling	15.01.2025	Period of Analysis	26.01.2025	15.01.2025	13.02.2025	Name of Station		COSE ZONE				
Sl. No.	Parameter	Method of Analysis	Observed Values [in µg/m ³]		Range of Testing	LDL	MoEF Standards Notification dated 25th September, 2009 (GSR 742 E)	NAAQ, 2009				
			1st FN A3302	2nd FN A3368								
1	PM ₁₀	IS 5182(Part 2):2006, B.2017	121	108	10 µg/m ³ - 2000 µg/m ³	10 µg/m ³	300	100				
2	PM _{2.5}	IS 5182(Part 2):2006, B.2017	73	63	10 µg/m ³ - 600 µg/m ³	10 µg/m ³	Not Specified	60				
3	SO ₂	IS 5182(Part 2):2006, B.2017	<10	<10	10 µg/m ³ - 1050 µg/m ³	10 µg/m ³	12hour	80				
4	NO _x	IS 5182 (Part 6): 2008 B.2017	33	31	0.6 µg/m ³ - 420 µg/m ³	0.6 µg/m ³	120	80				
*All units are in µg/m ³ , unless otherwise specified. (In case of other units, conversion factor will be provided in the report)										ANALYSED BY:  (Gourav Kanti) REVIEWED BY:  (Anil Raj Mishra)		
Note: The results above refer to the samples tested & received. This report can not be reproduced in part or full without the written permission of the HOD(Env), CMFDI, RI-II.												
End of Report Page 1 of 1												

JOB NO. 200516028

Miscellaneous, BCCL Environmental Monitoring Report

  CENTRAL MINE PLANNING AND DESIGN INSTITUTE LIMITED Environment Laboratory, Regional Institute-II Ambient Air Quality Test Report										CMPEL, B-8 KOTLA BHAIRAVI COMPLEX BHADRAJ, BHADRACHAL PIN-501004, TELANGANA email: rml2003@rediffmail.com		
Test Report for Ambient Air Samples										ULR No.	TC143212509060154BF	
Month & Year	01/2025	Quarter	Misc.	Customer						Environment Department, Bharat Coking Coal Limited (BCCL), Koyla Bhawan, Dhanbad (E-mail: gmw@bccl.co.in)	Date of Issue	04/03/2025
Project	Fatherdih Washery Industrial Area	Sample Ref. No.	MM/BCCL/2025/93	Sampling Method		CMPEL/R1-II/LPM 11, (185182)						
Date of Sampling	11.02.25	Period of Analysis	25.02.25	11.02.25	03.03.2025	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 25th September, 2008 (CSR 742 E)	NAAQS, 2009				
			1st FN A3435	2nd FN A3515								
1	PM ₁₀	IS 5182(Part 2) 2006, R 2017	127	111	10 µg/m ³ - 1000 µg/m ³	10 µg/m ³	100	100				
2	PM _{2.5}	IS 5182(Part 2) 2006, R 2017	64	61	10 µg/m ³ - 600 µg/m ³	10 µg/m ³	Not Specified	60				
3	SO ₂	IS 5182(Part 2) 2006, R 2017	<10	<10	10 µg/m ³ - 1050 µg/m ³	10 µg/m ³	120µ	80				
4	NO ₂	IS 5182 (Part-4) 2006, R 2017	30	29	0-2 µg/m ³ - 470 µg/m ³	04 µg/m ³	120	60				

**All units are in µg/m³, unless otherwise specified. *LDL refers to Lower Detection Limit.



 ANALYSED BY (Gaurav Kaur)	 REVIEWED BY (Gaurav Kaur)	 Authorised Signatory (Anil Raj Mishra)
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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 MOE(Env), CMPEL, B-8.




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JOB NO. 200316028

Miscellaneous, BCCL Environmental Monitoring Report

  CENTRAL MINE PLANNING AND DESIGN INSTITUTE LIMITED Environment Laboratory, Regional Institute-II Ambient Air Quality Test Report										CMPEL, B-8 KOTLA BHAIRAVI COMPLEX BHADRAJ, BHADRACHAL PIN-501004, TELANGANA email: rml2003@rediffmail.com		
Test Report for Ambient Air Samples										ULR No.	TC143212509060154BF	
Month & Year	03/2025	Quarter	Misc.	Customer						Environment Department, Bharat Coking Coal Limited (BCCL), Koyla Bhawan, Dhanbad (E-mail: gmw@bccl.co.in)	Date of Issue	30/04/2025
Project	Fatherdih Washery Industrial Area	Sample Ref. No.	MM/BCCL/2025/93	Sampling Method		CMPEL/R1-II/LPM 11, (185182)						
Date of Sampling	11.03.25	Period of Analysis	25.03.25	11.03.25	25.04.25	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 25th September, 2008 (CSR 742 E)	NAAQS, 2009				
			1st FN A3297	2nd FN A3665								
1	PM ₁₀	IS 5182(Part 2) 2006, R 2017	132	115	10 µg/m ³ - 1000 µg/m ³	10 µg/m ³	100	100				
2	PM _{2.5}	IS 5182(Part 2) 2006, R 2017	70	63	10 µg/m ³ - 600 µg/m ³	10 µg/m ³	Not Specified	60				
3	SO ₂	IS 5182(Part 2) 2006, R 2017	<10	<10	10 µg/m ³ - 1050 µg/m ³	10 µg/m ³	120µ	80				
4	NO ₂	IS 5182 (Part-4) 2006, R 2017	22	32	0-2 µg/m ³ - 470 µg/m ³	04 µg/m ³	120	60				

**All units are in µg/m³, unless otherwise specified. *LDL refers to Lower Detection Limit.

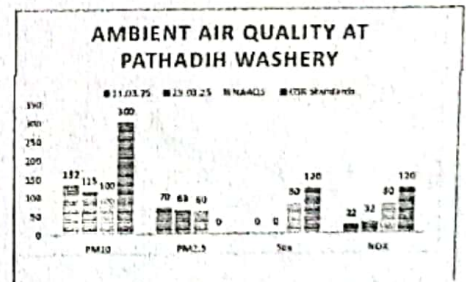
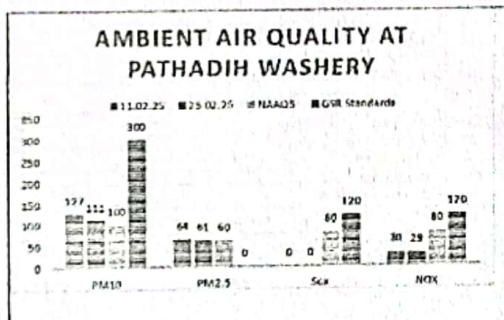
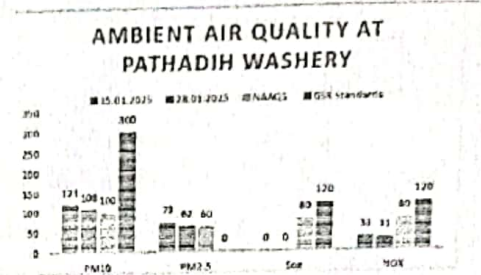
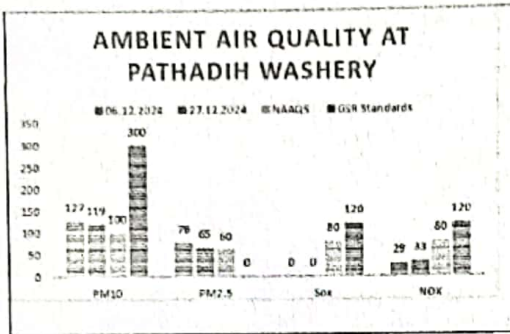
 ANALYSED BY (Gaurav Kaur)	 REVIEWED BY (Gaurav Kaur)	 Authorised Signatory (Anil Raj Mishra)
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Note: The results above relate to the samples tested as received. This report can not be reproduced in part or full without the written permission of the MOE(Env), CMPEL, B-8.

--- End of Report ---
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Miscellaneous, BCCL Environmental Monitoring Report



ANNEXURE - III

31

Month & Year		Client	Place	Order No.				
11/2024		Environment Department, Bharat Colliery Project	Coal Limited (MCL), Kapti Khosla, District (B) and gram (Bhadrachandrapur)	11/2024/0000014122				
Sampling Station		Parameter	Date of Sampling	Sampling Method	Time Category of Station	CRP 2018		
1		Patnabati Workshop	26.12.2024	27.12.2024	25.00-13.00	25	75	
Noise Level dB(A)eq Day	1	06:00-07:00	51.5	52.1	CPCB Protocol for Ambient Level Noise Monitoring 2015	dB	Industrial Commercial Residential Silence	75 65 55 50
	2	07:00-08:00	48	52.2				
	3	08:00-09:00	49.2	51.7				
	4	09:00-10:00	49.9	48.9				
	5	10:00-11:00	48.8	53.2				
	6	11:00-12:00	54.9	54.2				
	7	12:00-13:00	54.2	54.2				
	8	13:00-14:00	51.7	54.3				
	9	14:00-15:00	51.8	51.7				
	10	15:00-16:00	52.2	52				
	11	16:00-17:00	51.1	50.4				
	12	17:00-18:00	51	47.8				
	13	18:00-19:00	51.3	50.8				
	14	19:00-20:00	51.1	50.7				
	15	20:00-21:00	49.9	51.8				
	16	21:00-22:00	50	51.1				
Log Day		51.9	52.2					
Log Night		49.7	49.8					
Noise Level dB(A)eq Night	1	00:00-01:00	49.7	49.7	CPCB Protocol for Ambient Level Noise Monitoring 2015	dB	Industrial Commercial Residential Silence	70 55 45 50
	2	01:00-02:00	48.7	49.2				
	3	02:00-03:00	48.7	49.7				
	4	03:00-04:00	47.8	48				
	5	04:00-05:00	47.8	48				
	6	05:00-06:00	47.8	47.2				
	7	06:00-07:00	47.8	47.2				
	8	07:00-08:00	47.8	47.2				
Log Night		47.8	47.2					

JOB NO. 200316028 Miscellaneous, BCCL Environmental Monitoring Report

31

Month & Year		Client	Place	Order No.				
11/2024		Environment Department, Bharat Colliery Project	Coal Limited (MCL), Kapti Khosla, District (B) and gram (Bhadrachandrapur)	11/2024/0000014122				
Sampling Station		Parameter	Date of Sampling	Sampling Method	Time Category of Station	CRP 2018		
1		Patnabati Workshop	26.12.2024	27.12.2024	25.00-13.00	25	75	
Noise Level dB(A)eq Day	1	06:00-07:00	49.9	51.7	CPCB Protocol for Ambient Level Noise Monitoring 2015	dB	Industrial Commercial Residential Silence	75 65 55 50
	2	07:00-08:00	49.9	51.7				
	3	08:00-09:00	49.9	51.7				
	4	09:00-10:00	49.9	51.7				
	5	10:00-11:00	49.9	51.7				
	6	11:00-12:00	49.9	51.7				
	7	12:00-13:00	49.9	51.7				
	8	13:00-14:00	49.9	51.7				
	9	14:00-15:00	49.9	51.7				
	10	15:00-16:00	49.9	51.7				
	11	16:00-17:00	49.9	51.7				
	12	17:00-18:00	49.9	51.7				
	13	18:00-19:00	49.9	51.7				
	14	19:00-20:00	49.9	51.7				
	15	20:00-21:00	49.9	51.7				
	16	21:00-22:00	49.9	51.7				
Log Day		49.9	51.7					
Log Night		49.9	51.7					
Noise Level dB(A)eq Night	1	00:00-01:00	49.9	49.9	CPCB Protocol for Ambient Level Noise Monitoring 2015	dB	Industrial Commercial Residential Silence	70 55 45 50
	2	01:00-02:00	49.9	49.9				
	3	02:00-03:00	49.9	49.9				
	4	03:00-04:00	49.9	49.9				
	5	04:00-05:00	49.9	49.9				
	6	05:00-06:00	49.9	49.9				
	7	06:00-07:00	49.9	49.9				
	8	07:00-08:00	49.9	49.9				
Log Night		49.9	49.9					

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ANNEXURE – V

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: Shri Sujit Kumar
 Design. : Project Officer/EIC 2.5 MTPA Patherdih NLW Coal Washery
 Address: Post -Patherdih, Dhanbad - 828119
 Industry category Primary - Orange Category.
- (ii) Production capacity.
 2.5 MTPA (Peak production Capacity) as per EC granted to 2.5 MTPA Patherdih NLW Coal Washery by MoEF&CC.
- (iii) Year of establishment - 2024
- (iv) Date of the last environmental statement submitted – 16.04.2024.

PART B

Water and Raw Material Consumption

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

Name of Products	Process water consumption(m ³ /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 muffs, gumboots etc. will be provided to operators and others exposed to high level noise.

PART H

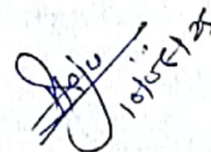
Additional measures/ investment proposal for environmental protection abatement of pollution, prevention of pollution.

- 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.

A handwritten signature in blue ink, followed by the date '10/15/18' written vertically.

Project Officer/ EIC
2.5 MTPA Patherdih NLW Washery