

भारत कोकिंग कोल लिमिटेड
(कोल इण्डिया लिमिटेड की एक अनुषंगी 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./24/136(H)

दिनांक: 16.04.2024

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 2023 to March 2024 in respect of Patherdih 2.5Mtpa NLW Coal Washery of Bharat Coking Coal Limited.

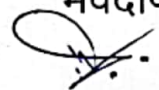
Ref: EC order No.J-11015/177/2014 1A-11(M) dated 06.07.2015

महोदय,

Enclosed herewith please find the half yearly Compliance Report of EC conditions for the period from October 2023 to March 2024 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

Six Monthly Report on Compliance to Environment Clearance from MOEF, Gov. of India for 2.5 Mtpa Patherdih NLW Coal Washery for the period October 2023 to March 2024

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.

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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.

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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 A)
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 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 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. However, the ambient air quality test presently being carried out at one station is enclosed as ANNEXURE – I. 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.)

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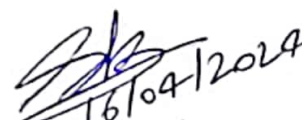
(iii)	Data on ambient air quality (PM ₁₀ , PM _{2.5} , SO ₂) and NO _x and heavy metals such as Hg, As, Ni, Cd, Cr and other monitoring data shall be regularly submitted to the Ministry including its concerned Regional Office and to the State Pollution Control Board and the Central Pollution Control 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.	It will be complied when the washery operation starts.
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 <u>ANNEXURE -II</u> .
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.

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(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 -III.</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 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. 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

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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.


16/04/2024

Project Officer/ EIC

2.5 Mtpa Patherdih NLW Washery