

# भारत कोकिंग कोल लिमिटेड

(कोल इंडिया लिमिटेड का एक अंग)

## वाशरी निर्माण विभाग

पंजीकृत कार्यालय : कोयला भवन, कोयला नगर

धनबाद - 826005

CIN : U101JH1972GOI000918

दूरभाष/ फेक्स: 0326-2230201



# BHARAT COKING COAL LIMITED

(A subsidiary of Coal India Limited)

## WASHERIES CONSTRUCTION DIVISION

Regd. Off. : Koyla Bhawan (Level - VI),

Koyla Nagar,

DHANBAD - 826005

CIN : U101JH1972GOI000918

Telephone no. / Fax: 0326-2230201

Email ID : cgmwccp@bccl.gov.in

सन्दर्भ सं : BCC/WCD/30(1) /19/1466

दिनांक : 13.05.2019.

To

The Director,  
Ministry of Environment, Forest & Climate Change,  
Regional office (ECZ) , Bungalow No - 2,  
Shyamali Colony  
Ranchi 834002

Sub - Six monthly Report on compliance to Environmental clearance of 2.5 Mtpa NLW Patherdih coal washery for the period ending March- 2019.

Ref no - Environmental clearance letter no- J - 11015/177/2014 - IA - II(M)  
Dated— 06-07-2015.

Dear Sir,

Enclosed please find herewith Six monthly Report on compliance to Environmental clearance of Patherdih 2.5 Mtpa NLW coal washery for the period ending March-2019 with reference to the above mentioned letter for your kind perusal & needful action please.

Enc- As above.

Your's faithfully

*[Signature]*  
13/5/19

General Manager (WCD)

Washeries construction Division, BCCL.

Copt to-

- 1) Director, IA Monitoring Cell,  
Paryavaran Bhawan, New Delhi
- 2) Regional Officer, JSPCB, Dhanbad,
- 3) Dy. GM, Env. Dept., BCCL

o/c



**Six Monthly Report on Compliance to Environment Clearance from MOEF, Gov. of India  
for 2.5 Mtpa Patherdih NLW Coal Washery for the period ending March' 2019.**

Present Status of Patherdih NLW Washery - CONSTRUCTION OF THE WASHERY HAS BEEN STARTED.

Ref.: 1. E-c vide J-11015/240/2010-IA.II (M) dated 25.01.2012 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 and	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.	Would be complied at the time of construction as per the proposed Green belt plan attached as Annexure - 1.
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.	Would be complied during operation.
xii	The assurances given during the Public Hearing and as per the Action Plan developed by the proponent should be implemented	It 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.	Would be complied at the time of construction of the concerned section of the washery.
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.	Would be complied at the time of construction of the concerned section of the washery.

*S. K. Singh*



xv	All approach roads shall be black topped and internal roads shall be concreted. The roads shall be regularly cleaned with mechanical sweepers.	Would be complied at the time of construction of the concerned section of the washery.
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.	Would be complied during operation.
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.	Would be complied during operation.
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.	Would be complied.
xix	Heavy metal content in raw coal, and washed coal shall be analysed once in a year and records maintained thereof.	Would be complied during operation.
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.	Would be complied.
xxi	The commitment made by the Proponent to the issue raised during Public Hearing shall be implemented by the Proponent.	Would be complied
xxii	Corporate Environment Responsibility:	
Xxiii	a) The Company shall have a well laid down Environment Policy approved by the Board of Directors.	Complied.
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.	Complied.
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.	Complied.
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.	Complied.
<b>B</b>	<b>General Conditions</b>	
(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.	Will be complied as 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 <sub>10</sub> , PM <sub>5</sub> , SO <sub>2</sub> and NO <sub>x</sub> monitoring. Location of the stations shall be decided based on the meteorological data,	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 <sub>10</sub> ,



	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.	PM <sub>2.5</sub> , SO <sub>2</sub> , and NO <sub>x</sub> and will follow the guidelines of state pollution control board.
(iii)	Data on ambient air quality (PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> ) and NO <sub>x</sub> 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.	Would be complied during operation.
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.
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 <sup>th</sup> May 1993 and 31 <sup>st</sup> 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 has yet not started. 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.	Would be complied during 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 analysed through a laboratory recognised under EPA Rules, 1986.	Would be complied during operation.
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.	Would be complied during operation.
ix	Occupational health surveillance programme of the workers shall be undertaken periodically to observe any contraindications 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	Would 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.	Would be complied during operation.
xii	The Project authorities shall advertise at least in two local newspapers widely circulated around the project, one of	Complied.

8/000.  
13/5/19.

	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 <a href="http://envfor.nic.in">http://envfor.nic.in</a> .	
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 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 <sub>10</sub> , PW <sub>5</sub> , SO <sub>2</sub> 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
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.

*S. Poon.*  
13/5/19.  
Project Officer/EIC.

2.5 Mtpa Patherdih NLW Washery.