



## BHARAT COKING COAL LIMITED

A Subsidiary of Coal India Limited

भारत कोकिंग कोल लिमिटेड

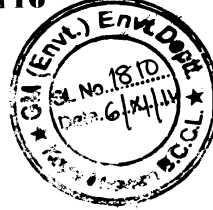
(कोल इण्डिया लिमिटेड का एक अंग)

Office of the Addl. General Manager

P.B. Area, Post - Kusunda, Dist- Dhanbad (Jharkhand)

828116

Ref. No. BCCL: PBA/A.G.M/2014/239



Date:- 04.11.2014

To,  
The Director (S)  
Ministry of Environment & Forest, Govt. of India  
Eastern region Officer  
A/3, Chandrashekharapur,  
Bhubaneswar - 751023

**Subject :- Six monthly Compliance report for the period from 1<sup>st</sup> 1<sup>st</sup> April '14 to 30<sup>th</sup> Sept '2014 in respect of Cluster VII group of mines .**

Dear Sir,

Kindly find enclosed herewith six monthly Compliance report for the period from 1<sup>st</sup> April '14 to 30<sup>th</sup> Sept '2014 in the respect of Cluster VII group of mines .

Hope you will find the same in order.

Yours faithfully

*[Signature]*  
6/11/14

Sri J.K. Singh  
*[Signature]*  
7/11/14

*[Signature]*  
4/11/14  
Addl. General Manager  
P.B. Area  
POOTKEE BALHARI AREA  
B.C.C.L. DHANBAD

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## **COMPLIANCE OF EC CONDITIONS of CLUSTER-VII**

<b>Sr. No.</b>	<b>A. Specific Conditions by MOEF:</b>	<b>Compliance</b>
i.	The maximum production shall not exceed beyond that for which environmental clearance has been granted.	The approved normative production and peak production for Dhansar UG, Dhansar OC, Kusunda OC, Industry UG(closed), Alkusa UG, Ena OC and VOCP under Kusunda Area are 4.157MTPA & 5.405MTPA respectively. The total production of the mines under Kusunda Area (part of Cluster VIII Only) is 2.03 MT in the year of 2014-15 (April'14 to Sept'14) which is well within the limit and <b>1.5 MT in '13-'14 (upto Sept.'14) which is well within the limit and Simlabahal Colliery, Hurriladih Colliery and Burragarh Colliery are within the limit as given in E. Clearance Condition.</b>
ii	The measure identified in the environmental plan for cluster VII groups of mine and the conditions given in this environmental clearance letter shall be dovetailed to the implementation of the Jharia Action Plan.	Master Plan activities are dovetailed with compliance of environmental clearance conditions. The master plan deals with fire control and rehabilitation activities of fire affected areas in the leasehold of BCCL.  By implementing the fire control measures air pollution and emission of Green House Gases (GHGs) from the fire affected areas are being prevented. Further rehabilitation of the families from the fire endangered area to the safe places is being taken-up with the help of State Govt. of Jharkhand.  The Master plan is being implemented for BCCL as per the prioritization of fire and rehabilitation activities in approved Master Plan. The brief status of Rehabilitation and Fire control measures are as enclosed annexure- E
iii	The proponent shall prepare time - series maps of the Jharia Coalfields through NRSA to monitor and prevent fire problems in the Jharia Coalfields by Isothermal mapping /imaging and monitoring temperatures of the coal seams (whether they are close to spontaneous ignition temperatures) and based on which, areas with potential fire problems shall be identified. Measures to prevent ingress of air (Ventilation) in such areas, to prevent restart fresh/spread fires in other areas including in mines of cluster VII shall	NRSC has conducted survey of fires of Jharia coalfield by remote sensing method using thermal infrared data and land subsidence mapping of Jharia coalfield using interferometric SAR data. As compared 2006, when the total fire affected extent was about 3.01 Km <sup>2</sup> in 2012 total fire affected extent is about 2.18 km <sup>2</sup> .  Action is being taken as specified in EC and as per Jharia Master Plan. Further at Kusunda OC, fire patch is being dug out for the purpose of dealing with fire and combustible materials are extracted out to save the coal from burning and to stop further spread of the fire. Once the fiery coal is dug-out/excavated there will be no more chance of re-starting of fresh/

	be undertaken.	spreading of fire into other areas. At Alkusa Colliery, after taken adequate measures in UG as per (3pit) have been filled and (6 & 7 pit) sealed to stop ingress of air/spread of UG fire.
iv	Underground mining should be taken up after completion of reclamation of Opencast mine area after 13 years.	It shall be complied.
V	No mining shall be undertaken where underground fires continue. Measure shall be taken to prevent/ check such fire including in old OB dump areas where the fire could start due to presence of coal /shale with sufficient carbon content.	It shall be complied. Action is being taken to control, mine fires as specified in Jharia Master Plan and the mining is being done as per the guidelines and permissions of Directorate General of Mines Safety (DGMS).
vi	The rejects of washeries in Cluster –VII should be send to FBC based plant.	Coal washery does not exist in this cluster at present.
Vii	There shall be no external OB dumps. OB produce from the whole cluster will be 378.86 Mm3. OB from 5 OCP mine shall be backfilled. At the end of the mining there shall be no void and the entire mined out area shall be re-vegetated. Areas where opencast mining was carried out and completed shall be reclaimed immediately thereafter.	In Kusunda Area It Will be Complied as specified in Environmental Clearance condition . In P.B.Area Working has not approached Combined seams hence there is no Possibility of back filling .
Viii	A detailed calendar plan of production with plan for OB dumping and backfilling (for OC mines) and reclamation and final mine closure plan for each mine of cluster-VII shall be drawn up and implemented.	In Kusunda Area Calendar Plant has been Prepared and enclosed . Mine closure plan as per guidelines of Ministry of coal is prepared by Regional institute –II , Central Mine Planning and design institute , Dhanbad and Submitted for approval . The financial provisions required for the implementation of mines closure plan are being kept in account. In P.B.Area , working has not approached combined seam hence back filling and reclamation is not Possible .
ix	The void shall be converted into a water reservoir of a maximum depth of 15-20 m and shall be gently sloped and the upper benches of the reservoir shall be stabilized with plantation and the periphery of the reservoir fenced. The abandoned pits and voids should be backfilled with OB and biologically reclaimed with plantation and or may be used for pisciculture .	It shall be complied. Continuous process of the backfilling has been adopted. A part of the void will be converted into the water body , if safety permit with permission from DGMS. In P.B.Area OCP has not approached combined seam hence this condition cannot fulfilled .
x	Mining shall be carried out as per statuette from the streams/nalas flowing	It is being followed. Embankments have been constructed as specified in EC.

	within the lease and maintaining a safe distance from the Nalas flowing along the lease boundary. A safety barrier of a minimum 60m width shall be maintained along the nalas/water bodies. The small water bodies in OC shall be protected to the extent feasible and the embankment proposed along water body shall be strengthened with stone pitching.	In Kusunda Area of Cluster VII as well as P.B.Area.
Xi	Active OB dumps near water bodies and rivers should be rehandled for backfilling abandoned mine voids. However, those which have been biologically reclaimed need not be disturbed.	No OB is being dumped near water bodies. In P.B.Area There is no water body near OB dump.
Xii	Thick green belt shall be developed along undisturbed areas, mine boundary and in mine reclamation. During post mining stage, a total of 794.09 ha area would be reclaimed. The total additional area under plantation would be 1165.67 ha (90.78 ha abandoned quarry area, 516 ha active quarry area, 27.31 OB dump outside quarry area, 38.55 ha service building /mine infrastructure area /coal dump etc, 395 ha green belt around OCP, 98.5 ha barren area), by planting 2914150 plants at a total cost of Rs 642.20 lakhs.	It shall be complied. Yearly plantation is being done for development of green belts as per EC. Green belt development programme is enclosed as annexure-B.2 in respect of Kusunda Area Of Cluster VII.  In P.B. Area there is no Space for Plantation as all land of P.B.Area of Cluster VII falls under Coal bearing Area.
Xiii	The road should be provided with avenue plantation on both side as trees act as sink of carbon and other pollutant	It shall be complied. In Kusunda Area as well as in P.B.Area of Cluster VII.
Xiv	Specific mitigative measures identified for the Jharia Coalfields in the Environmental Action Plan prepared for Dhanbad as a critically polluted area and relevant for Cluster VII shall be implemented.	Dhanbad Action Plan has been prepared for entire BCCL and not cluster wise. It is being implemented comprehensively for all the mines of BCCL. Some of the salient actions is enclosed.

Xv	<p>The locations of monitoring stations in the Jharia Coalfields should be finalized in consultation with the Jharkhand State Pollution Control Board. The Committee stated that smoke/dust emission vary from source to source (fuel wood, coal, flyash from TPPs, silica from natural dust, etc) and a Source Apportionment Study should be got carried out for the entire Jharia Coalfields. Mineralogical composition study should be undertaken on the composition of the suspended particulate matter (PM<sub>10</sub> and PM<sub>2.5</sub>) in Jharia Coalfields and also quantified. These studies would help ascertain source and extent of the air pollution, based on which appropriate mitigative measures could be taken.</p>	<p>Establishment of ambient environment quality monitoring stations is done. The work of monitoring of ambient environment has already been awarded to Central Institute of Mining &amp; Fuel Research (CIMFR), Dhanbad having CSIR laboratory recognized under the EP Rules and they have started work. Final report yet to be submitted.</p> <p>Presently ambient air is being monitored through BCCL own Laboratory at HQ level. The result of analysis report is enclosed as Annexure-D.2.</p> <p>For the source apportionment study the action has been taken to conduct with help of CMPDIL, RI-II.</p>
Xvi	<p>No groundwater shall be used for the mining activities. Additional water required, if any, shall be met from mine water or by recycling/reuse of the water from the existing activities and from rainwater harvesting measures. The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry to dewatering of mine</p>	<p>No ground water is being utilized for the purpose of industrial use of the water. Mine water has been channelized through pipelines and through delivery in to the old quarry for its is for the community and irrigation purposes. Drinking water is being purchased from the Mineral Area Development Authority (MADA).</p> <p>Further for the utilization of mine water following actions has been taken by the company</p> <ol style="list-style-type: none"> <li>1. <b>Installation of Pressure filters:</b> In Kusunda Area, one Pressure Filter, two Slow Sand Filter and one Rapid Gravity Filter Plant are in operation. At East Bassuriya New Colony, proposal for installation of two nos. Pressure Filters of each 15000 GPH capacity is under process.</li> <li>2. <b>Rain water Harvesting:</b> to catch run-off water in colonies Rain water Harvesting is being done. BCCL has constructed rain water harvesting at Koyla nagar Township. In Kusunda Area, proposal for rain water harvesting at two colonies is under process from Civil Department.</li> <li>3. <b>In P.B.Area</b> one integrated filter plant of Capacity of 15000 GPH has been installed and above to function.</li> </ol>
xvii	<p>Regular monitoring of groundwater level and quality of the study area shall be carried out by establishing a network of existing wells and construction of new peizometers. The monitoring for quantity shall be done four times a year in pre-monsoon (May), monsoon (August), post-monsoon (November) and winter (January) seasons and for quality including Arsenic</p>	<p>The work of monitoring of ambient environment including ground water monitoring has already been awarded to Central Institute of Mining &amp; Fuel Research (CIMFR), Dhanbad having CSIR laboratory recognized under the EP Rules for Kusunda Area and P.B.Area of Cluster VII.</p>

	and Fluoride during the month of May. Data thus collected shall be submitted to the Ministry of Environment & Forest and to the Central Pollution Control Board/SPCB quarterly within one month of monitoring. Rainwater harvesting measures shall be undertaken in case monitoring of water table indicates a declining trend.	
Xviii	Mine discharge water shall be treated to meet standards prescribed standards before discharge into natural water courses/agriculture. The quality of the water discharged shall be monitored at the outlet points and proper records maintained thereof and uploaded regularly on the company website.	It shall be complied. The work of monitoring of ambient environment monitoring has already been awarded to Central Institute of Mining & Fuel research (CIMFR), Dhanbad having CSIR laboratory recognized under the EP Rules and they have started work in Kusunda Area and P.B.Area of Cluster VII. The result of analysis report of monitoring thorough BCCL own Laboratory at HQ level is enclosed. The quality of water is within prescribed standards.
Xix	ETP shall also be provided for workshop, and CHP, if any. Effluents shall be treated to confirm to prescribed standards in case discharge into the natural water course	Construction ETP/Oil grease Trap is under process in Kusunda Area as well as P.B.Area of Cluster VII .
Xx	Regular monitoring of subsidence movement on the surface over and around the working area and impact on natural drainage pattern, water bodies, vegetation, structure, roads, and surroundings shall be continued till movement ceases completely. In case of observation of any high rate of subsidence movement, appropriate effective corrective measures shall be taken to avoid loss of life and material. Cracks shall be effectively plugged with ballast and clayey soil/suitable material.	At present only development districts are operational in Kusunda Area of Cluster VII and In P.B.Area of Cluster VII and no depillaring opration has been taken up in UG mines. However regular monitoring of subsidence will be undertaken on operating depillaring districts.
Xxi	Sufficient coal pillars shall be left unextracted around the air shaft (within the subsidence influence area) to protect from any damage from subsidence, if any.	Sufficient coal pillars have been left around air shafts as per the statutes and DGMS guidelines in Kusunda Area As well as P.B.Area of Cluster VII. \
Xxii	High root density tree species shall be selected and planted over areas likely to be affected by subsidence	It will be complied, if required in Kusunda Area As well as P.B.Area of Cluster VII.
Xxiii	Depression due to subsidence resulting in water accumulating within the low lying areas shall be filled up or drained out by cutting drains.	It will be complied, if required. in Kusunda Area of Cluster VII. In P.B.Area of Cluster VII.depilarity is being done by stowing method . There is no chance of subsidence , although regular monitoring is being done.

Xxiv	Solid barriers shall be left below the roads falling within the blocks to avoid any damage to the roads.	It is being followed. Sufficient barriers are left for saving the surface installation and infra structures as per the statute and DGMS guidelines in Kusunda Area as well as P.B.Area of Cluster VII.
Xxv	No depillaring operation shall be carried out below the township/colony.	At present no ug depillaring operation is there at Kusunda Area. And in P.B.Area EC condition is followed.
Xxvi	The Transportation Plan for conveyor-cum-rail for Cluster-VII should be dovetailed with Jharia Action Plan.. The Plan for conveyor-cum-rail for Cluster-VII should be dovetailed with Jharia Action Plan. The road transpiration of coal during phase-I should be by mechanically covered trucks.	CMPDIL, RI-II has been requested to conduct study and prepare the plan in this regard. Conversion of existing truck in to mechanically covered trucks is under proposal. By that time transportation is being done by covering vehicle with tarpaulin cover in Kusunda Area as well as P.B.Area of Cluster VII.
Xxvii	A study should be initiated to analyze extent of reduction in pollution load every year by reducing road transport	CMPDI RI-2 has been requested for Source Apportionment Study for Kusunda Area as well as P.B.Area of Cluster VII.
Xxviii	R&R of 13605 nos of PAF's involved. They should be rehabilitated at cost of Rs 529.47Crores as per the approved Jharia Action Plan.	Rehabilitation of PAF is being taken up as per the approved Master Plan in Kusunda Area as well as P.B.Area of Cluster VII.
xxix	A detailed CSR Action Plan shall be prepared for Cluster VII group of mines. Specific activities shall be identified for CSR the budget of Rs. 311.35 Lakhs per year@ Rs 5/T of coal as recurring expenditure. The 143 ha of area within Cluster VII ML existing as waste land and not being acquired shall be put to productive use under CSR and developed with fruit bearing and other useful species for the local communities. In addition to afforesting 794.09 ha of are at the post-mining stage, 135.5 ha waste land /barren land within Cluster VII ML shall be rehabilitated/reclaimed as forest/agricultural land under CSR Plan in consultation with local communities. Third party evaluation shall be got carried out regularly for the proper implementation of activities undertaken in the project area under CSR. Issue raised in the Public Hearing shall also be integrated with activities being taken up under CSR. The details of CSR undertaken along with budgetary	CSR activities are being taken up on priority basis. The details of activities as enclosed annexure – F. Kusunda Area as well as P.B.Area of Cluster VII Further a detailed project specific CSR Action Plan shall be formulated and for this purpose, BCCL has approached TATA INSTITUTE OF SOCIAL SCIENCES, MUMBAI. Which is also the focal agency of the National CSR Hub and their programme Manager has reported for field duty.

	provisions for the village-wise various activities and expenditure thereon shall be uploaded on the company website every year. The company must give priority to capacity building both within the company and to the local youth, who are motivated to carry out the work in future.	
Xxx	For monitoring land use pattern and for post mining land use, a time series of landuse maps, based on satellite imagery (on a scale of 1: 5000) of the core zone and buffer zone, from the start of the project until end of mine life shall be prepared once in 3 years (for any one particular season which is consistent in the time series), and the report submitted to MOEF and its Regional office at Bhubaneswar.	Presently a time series map of vegetation cover in the Jharia Coal Field is being carried out through CMPDI Ranchi using satellite imagery for every 3 years. CMPDI has been requested to prepare "Time series of land use maps based on satellite imagery of the core zone and buffer zone for Kusunda Area and P.B.Area of Cluster VII.
Xxxi	A Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment & Forests five year before mine closure for approval. Habitat Restoration Plan of the mine area shall be carried out using a mix of native species found in the original ecosystem, which were conserved in-situ and ex-situ in an identified area within the lease for reintroduction in the mine during mine reclamation and at the post mining stage for habitat restoration.	It will be complied for Kusunda Area as well as P.B.Area of Cluster VII.
xxxii	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 for implementing environment policy and socio-economic issues and the capacity building required in this regard.	A full-fledged Environment Department, headed by a HoD (Environment) along with a suitable qualified multidisciplinary team of executives which includes Environment, Mining, Excavation, Civil, Survey, Electrical & mechanical, Forestry disciplines executives and technicians has been established in Headquarters. They are also trained in ecological restoration, sustainable development, rainwater harvesting methods etc. At the Area level, one Executive in each area has also been nominated as Nodal Officer (Environment) under General Manager of Area and at Project level, concerned Safety Officer under Project Officer is looking after the environment



		<p>related jobs and also entrusted with the responsibility of compliance and observance of the environmental Acts/ Laws including environment protection measures .The activities are monitored on regular basis at Area and at Head quarters levels. GM (Environment) at head quarter level, co-ordinates with all the Areas and reports to the Director (Technical) and in turn he reports to the CMD of the company. The team is multidisciplinary and very much motivated under the guidance of company's Director (Technical) and CMD. Further capacity building at both corporate and operating level is being done for Kusunda Area and P.B.Area of Cluster VII.</p>
Xxxiii	<b>Implementation of final mine closure plan for Cluster VII, subject to obtaining prior approval of the DGMS in regard to mine safety issues</b>	<p>Final Mine Closure Plan, as per the guideline will be submitted 5 years before the closure of the Mine. For the purpose of safety issues related to the closure prior approval of DGMS will be taken in this regard Kusunda Area and P.B.Area of Cluster VII.</p>
Xxxiv	<p><b>Corporate Environment Responsibility:</b></p> <p>a) The Company shall have a well laid down Environment Policy approved by the Board of Directors.</p> <p>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.</p> <p>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.</p> <p>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>	<p>A well defined Corporate Environment Policy has already been laid down and approved by the Board of Directors. This is also posted on BCCL website.</p> <p>Complied for Kusunda Area as well as P.B.Area of Cluster VII.</p> <p>A hierarchical system of the company to deal with environmental issues from corporate level to mine level already exists for Kusunda Area as well as P.B.Area of Cluster VII.</p> <p>Being complied in Kusunda Area as well as P.B.Area of Cluster VII.</p>

B	General Conditions by MOEF:	
i	No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment and Forests.	Being followed Kusunda Area as well as P.B.Area of Cluster VII.
ii	No change in the calendar plan of production for quantum of mineral coal shall be made.	Being followed. Production is being done well within the peak production capacity as per EC in Kusunda Area as well as P.B.Area of Cluster VII.
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>2.5</sub> , SO <sub>2</sub> and NO <sub>x</sub> 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.	The work of monitoring of ambient environment has already been awarded to Central Institute of Mining & Fuel Research (CIMFR), Dhanbad having CSIR laboratory recognized under the EP Rules and they have Start work in Kusunda Area as well as P.B.Area of Cluster VII.
iv	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 Regional Office at Bhubaneswar 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.	The work of monitoring of ambient environment has already been awarded to Central Institute of Mining & Fuel Research (CIMFR), Dhanbad having CSIR laboratory recognized under the EP Rules they have Start work in Kusunda Area as well as P.B.Area of Cluster VII.
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.	Being Complied for Kusunda Area as well as P.B.Area of Cluster VII.
Vi	Industrial wastewater (workshop and wastewater from the mine) shall be	Proposal for Construction of Oil & grease Trap


	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.	arrangement at W/shop in under process for in Kusunda Area as well as P.B.Area of Cluster VII.
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.	Being Complied for Kusunda Area as well as P.B.Area of Cluster VII.
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.	The work of monitoring of ambient environment has already been awarded to Central Institute of Mining & Fuel Research (CIMFR), Dhanbad having CSIR laboratory recognized under the EP Rules they have Start work in Kusunda Area as well as P.B.Area of Cluster VII.
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.	Being Complied. A separate full fledged Human Resource Development Deptt. Is conducting regular training programme on these issues. Apart from this Vocational Training Centers are existing in the Area which provides periodical training on the safety and occupational health issue to each of the workers working in the mines for Kusunda Area as well as P.B.Area of Cluster VII.
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 environment due to outsourcing and the health and safety issues of the outsourced manpower should be addressed by the company while outsourcing.	Initial Medical Examination (IME) and Periodical Medical Examination (PME) of all the personnel of the Area is carried out at Bhuli PME Centre, Bhuli, Dhanbad as per the Statutes and Director General of Mines Safety (DGMS) guideline for Kusunda Area as well as P.B.Area of Cluster VII.
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 full-fledged Environment Department, headed by a HoD (Environment) along with a suitable qualified multidisciplinary team of executives which includes Environment, Mining, Excavation, Civil, Survey, Electrical & mechanical, Forestry disciplines executives and technicians has been established in

		<p>Headquarters. They are also trained in ecological restoration, sustainable development, rainwater harvesting methods etc. At the Area level, one Executive in each area has also been nominated as Nodal Officer (Environment) under General Manager of Area and at Project level, concerned Safety Officer under Project Officer is looking after the environment related jobs and also entrusted with the responsibility of compliance and observance of the environmental Acts/ Laws including environment protection measures. The activities are monitored on regular basis at Area and at Head quarters levels. GM (Environment) at head quarter level, co-ordinates with all the Areas and reports to the Director (Technical) and in turn he reports to the CMD of the company. The team is multidisciplinary and very much motivated under the guidance of company's Director (Technical) and CMD. Further capacity building at both corporate and operating level is being done in Kusunda Area as well as P.B.Area of Cluster VII.</p>
Xii	<p>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 Regional Office at Bhubaneswar.</p>	<p>It has been complied for Kusunda Area as well as P.B.Area of Cluster VII.</p>
Xiii	<p>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 &amp; Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a>.</p>	<p>It has been complied for Kusunda Area as well as P.B.Area of Cluster VII.</p>
Xiv	<p>A copy of the environmental clearance letter shall be marked to concern Panchayat/ZilaParishad, Municipal corporation or Urban local body and local NGO, if any, from whom any</p>	<p>Complied for Kusunda Area as well as P.B.Area of Cluster VII.</p>

	suggestion /representation has been received while processing the proposal. A copy of the clearance letter shall also be displayed on company's website.	
XV	A copy of the environmental clearance letter shall be 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 for Kusunda Area as well as P.B.Area of Cluster VII.
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. The monitoring data of environmental quality parameter (air, water, noise and soil) and critical pollutant such as PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> and NO <sub>x</sub> (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 Kusunda Area as well as P.B.Area of Cluster VII.
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 in Kusunda Area as well as P.B.Area of Cluster VII.
Xviii	The Regional Office of this Ministry located at Bhubaneswar 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.	Shall be complied in Kusunda Area as well as P.B.Area of Cluster VII.
Xix	The Environmental statement for each financial year ending 31 March in For -V is mandated to be submitted by the project	Being complied in Kusunda Area as well as P.B.Area of Cluster VII.

	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 by E-mail	
<b>C</b>	<b>Other Conditions by MOEF:</b>	
<b>I</b>	<b>The Ministry or any other Competent Authority may stipulate any further condition(s) for environmental protection.</b>	Agree for Kusunda Area as well as P.B.Area of Cluster VII.
<b>ii</b>	<b>Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract the provisions of the Environment (Protection) Act, 1986.</b>	Agree for Kusunda Area as well as P.B.Area of Cluster VII.
<b>iii</b>	<b>The above conditions will be enforced <i>inter-alia</i>, under the provisions of the Water (Prevention &amp; Control of Pollution) Act, 1974, the Air (Prevention &amp; Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and Rules. The proponent shall ensure to undertake and provide for the costs incurred for taking up remedial measures in case of soil contamination, contamination of groundwater and surface water, and occupational and other diseases due to the mining operations.</b>	It is being complied for Kusunda Area as well as P.B.Area of Cluster VII.

ly	The Environmental Clearance is subject to the outcome of the Writ Petition filed by M/S Bharat Coking Coal Limited (BCCL) in response to the closure orders issued by the Jharkhand State Pollution Control Board which is pending in the Jharkhand High Court.	Agree for Kusunda Area as well as P.B.Area of Cluster VII.
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 Addl. General Manager  
 P.B. Area  
 Additional General Manager  
 POOTKEE BALIHARI AREA  
 B.C.C.L. DHANBAD

**Copy to:-**

1. Secretary, Ministry of Coal, Shastri Bhawan, New Delhi 110001.
2. Secretary, Department of Environment & Forests, Government of Jharkhand, Secretariat, Ranchi. 834004
3. Chairman, Jharkhand State Pollution Control Board, T.A. Division Building (Ground Floor), H.E.C. Dhurwa, Ranchi – 834004.
4. Chairman, Central Pollution Control Board, CBD-cum-Office Complex, East Arjun Nagar, New Delhi -110032.
5. Regional Officer Jharkhand State Pollution Control Board, HIG, Housing Colony. Bartand Dhanbad 826001.
6. HOD Environment BCCL Koyla Bhawan.
7. General Manager Kusunda Area – for kind information.
8. General Manager P.B.Area – for kind information.
9. Office copy.