

SIX MONTHLY COMPLIANCE REPORT OF CONDITIONS STIPULATED IN ENVIRONMENTAL CLEARANCE

(OCTOBER'2022 – MARCH'2023)

KUMBHARKHANI UNDERGROUND COAL MINE

(Production Capacity 0.60 MTPA)
(EC Letter No.: J-11015/1235/07-IA.II(M) dated 26th July, 2010)



WESTERN COALFIELDS LIMITED

(A Mini Ratna-Cat.I, Govt. of India Undertaking, Subsidiary of Coal India Ltd.)

Office of the Sub Area Manager, Ghonsa Sub Area, Post- Rasa, Teh.-
Wani, Distt.- Yavatmal, Maharashtra -445304

**SIX MONTHLY COMPLIANCE STATUS
OF COMPLIANCE OF ENVIRONMENTAL CLEARANCE CONDITIONS**

(For the period October'2022 to March'2023)

Name of the Project: Kumbharkhani Underground Coal Mine (0.60 MTPA)
EC Letter No.: MoEF& CC vide EC Letter No.: J-11015/1235/07-IA.II(M)
dated 26th July, 2010

A. Special Conditions:-

Sr. No.	Conditions	Compliance
i)	No mining shall be undertaken below 33.43 ha of forestland until forestry clearance has been obtained for mining rights.	Agreed
ii)	No forest land shall be diverted for surface structures.	Agreed
iii)	Regular monitoring of subsidence movement on the surface over and around the working area and impact on natural drainage patten, water bodies, vegetation, structure, roads and surrounding 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.	Agreed All conditions laid down by DGMS were followed so as to prevent any adverse effect of subsidence.
iv)	Mining shall be carried out as per statuette at a safe distance from the river/nallah flowing adjacent to the lease boundary.	All the norms has been followed as per the environmental conditions given by EC
v)	High root density tree species shall be selected and planted over areas likely to be affected by subsidence.	Such types of plant are planted over the affected area.
vi)	Coal Extraction shall also be optimized in areas where agricultural production is continuing. Some pillars shall be left below the agricultural land. No coal depillaring shall be undertaken below areas of habitation.	This UG mine is being run following the statues like viz. coal mines regulations 1957 mines act 1952 and other related acts/rules As per the statutes all the specific safety requirement with special reference to the mine are taken during day to day operation. Coal Production from Kumbharkhani UG mine has been stopped from February, 2018 Coal depillaring is not done.

vii)	Subsidence shall be monitored closely and if subsidence is found exceeding the permitted limits, then the landowners shall be adequately compensated with mutual agreement with landowners.	Noted and agreed. It will be followed.
viii)	Garland drains (Size, gradient and length) around the safety areas such as mine shaft and low lying areas and sump capacity shall be designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoin the mine site. Sump capacity shall also provide adequate retention period to allow proper settling of silt material.	The work of drain surrounding coal dumps has been completed. Regarding drains to be constructed around subsidence area, it is mention here that subsidence takes place only after depillaring starts & continues for some time. This depillaring operation is started only after due permission is taken from DGMS. In the permission letter DGMS specifies all the precautions needed to be taken during depillaring and the actual operation is carried out accordingly. It may be worthwhile to mention here that depillaring is yet to be started in this mine & hence necessary construction of drain will be taken up before starting depillaring.
ix)	Water sprinkling system shall be provided to check fugitive emissions from loading operations, conveyor system, haulage roads, transfer points, etc. Major approach roads shall be black topped and properly maintained.	Fixed water sprinkler (Rain guns) had been provided for dust suppression at loading point, CHP, along coal transportation road, transfer point etc. Major approach road is black topped and concrete road has been provided for coal transportation. It is worth here to mention that the mine is not operating right now
x)	A progressive afforestation plan shall be prepared and implemented over the mine lease area acquired and shall include areas under green belt development, areas along roads, infrastructure, along ML boundary and township etc. by planting native species in consultation with the local DFO/Agriculture Department.	It is being developed regularly in the Mine lease area covering various infrastructure, along coal transport roads, township etc. The total plantation carried out so far is 13000 nos (Ashoka, Cassia, Karanj Ber Subabul, Cassia, Nea, Amala, Khair, Teak, Shivaneta etc.). and area covered is 5.2 Ha. There is no OB dump as it is a U/G mine. The density of trees is around 2500 plants/ha.
xi)	Regular monitoring of ground water level and quality 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 in May. Data thus collected shall be submitted to the	Regular monitoring of ground water level and quality is being carried out four times in a year in pre-monsoon (May), monsoon(August),post-monsoon (Nov.) and winter (January) and for quality in May. Data are being submitted regularly along with Six Monthly EC Compliance report

	Ministry of Environment, Forests & climate change and the Central Pollution Control Board quarterly within one month of monitoring.	
xii)	The Company shall put up artificial groundwater recharge measures for augmentation of groundwater resource in case monitoring indicates a decline in water table. The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.	<p>Rain water harvesting measures have already been taken with due consultation with the concerned village Panchayat through de-silting/ deepening of existing pond in the following villages:</p> <p>In July 2015, deepening of pond at Rasa and Kumbharkhani village has been done for ground water recharge.</p> <p>At Kumbharkhani Village pond: Deepening size: (65m x 40.m x 1.08m) Expenditure: 4.21 Lakh</p> <p>At. Rasa Village pond: Deepening size: a. (50m x 50m x 0.60) b.(40m x 20m x 0.94m) c.(40m x 15m x 0.94m) Expenditure: 4.47Lakh The quantum of water will be stored 2700KL at Rasa & 2800KL Kumbharkhani village. (approximately)</p>
xiii)	Besides carrying out regular periodic health checkup of their workers, 10% of the workers identified from workforce engaged in active mining operations shall be subjected to health checkup for occupational diseases and hearing impairment, if any through an agency such as NIOH, Ahmedabad within a period of one year and the results reported to this Ministry and to DGMS.	<p>Periodical medical examination/health check up of workers are regularly done in WCL hospital.</p> <p>Currently the mine is not in operation and entire man power had been shifted to other projects.</p>
xiv)	Activities under CSR undertaken for the neighbouring villages shall be for not less than Rs. 5 per tonne of coal and the progress made thereon shall be uploaded on the company annually on the company website.	As per CSR policy of Coal India Limited Rs. 2/tonne of coal produced or 2% of profit whichever is more is spent on CSR works.
xv)	A Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval.	<p>Progressive Mine closure plan has been prepared and duly approved by WCL Board.</p> <p>The corpus fund has been deposited in escrow account:</p>

B. General Conditions:-


Sr. No.	Conditions	Compliance								
i)	No change in technology and scope of working shall be made without prior approval of the Ministry of Environment, Forests & Climate Change.	Noted. No change in mining technology and slope has been made								
ii)	No change in the calendar plan including quantum of mineral coal and waste being produced shall be made.	Noted. <table><tr><th>Year</th><th>Coal Production (Tons)</th></tr><tr><td>2020-21</td><td>Nil</td></tr><tr><td>2021-22</td><td>Nil</td></tr><tr><td>2022-23</td><td>Nil</td></tr></table>	Year	Coal Production (Tons)	2020-21	Nil	2021-22	Nil	2022-23	Nil
Year	Coal Production (Tons)									
2020-21	Nil									
2021-22	Nil									
2022-23	Nil									
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.	Following four ambient air quality monitoring stations have been established in the core zone and buffer zone for PM ₁₀ , PM _{2.5} SO ₂ and NO _x monitoring: 1.Project Manager Office : W _N KUA-1 2.Ghonsa Village : W _N KUA-2 3.SAM Office/ Canteen : W _N KUA-3 4.Guest House/ Colony : W _N KUA-4 Monitoring of heavy metals such as As, Pb, Ni, Cr & Cd is carried out once in six months. Reports of Ambient Air Quality monitoring are enclosed.								
iv)	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 recognised under the EPA rules, 1986 shall be furnished as part of compliance report.	Data on ambient air quality (SPM, RPM, SO ₂ and NO _x) regularly submitted to MoEF&CC & its Regional Office at Bhopal along with Six Monthly EC Compliance report. Reports of Ambient Air Quality monitoring are enclosed.								
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	Currently the mine is not in operation Data on ambient noise monitoring is regularly submitted to MoEF & CC & its Regional Office at Bhopal along with Six								


	plugs/muffs.	<p>Monthly EC Compliance report.</p> <p>Noise Quality Monitoring Station. 1.Fan House : W_NKUN-1 2.Colony : W_NKUN-2</p>
vi)	Industrial wastewater (workshop and wastewater from the mine) shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May 1993 and 31 st December 1993 or as amended from time to time before discharge. Oil and grease trap shall be installed before discharge of workshop effluents.	<p>Mine pumped out water after initial sedimentation in the mine sump is collected into surface sedimentation pond for further settlement. The quality of treated effluent from sedimentation point is monitored every fortnight.</p> <p>Currently the mine is not in operation. hence there is no discharge</p>
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.	Currently the mine is not in operation
viii)	Monitoring of environmental quality parameters shall be carried out through establishment of adequate number and type of pollution monitoring and analysis equipment in consultation with the State Pollution Control Board and data got analysed through a laboratory recognized under EPA Rules, 1986.	Monitoring of environmental quality parameters is being carried out by RI-IV Nagpur, CMPDIL. A fully fledged Environmental laboratory (An ISO 9000 : 2000 certified) and NABL accredited is already existing at CMPDI, Nagpur with qualified Engineers along with adequate number of field staff for carrying out all the environmental monitoring of WCL projects including this project.
ix)	<p>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.</p> <p>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.</p>	<p>The mine is not in operation right now Entire man power had been shifted to other projects</p>
x)	A separate environmental management cell with suitable qualified personnel shall be	At unit level Environmental Management Cell is headed by Nodal Officer

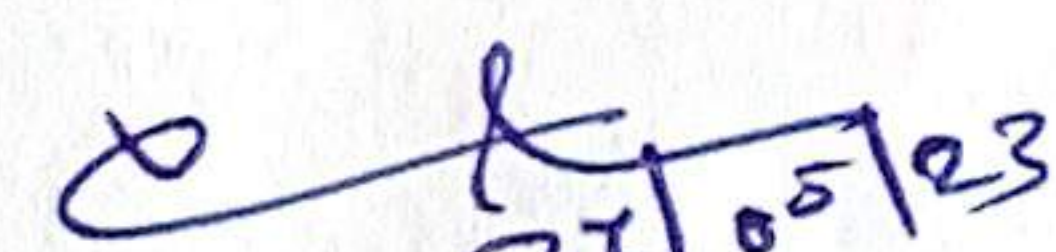
	set up under the control of a Senior Executive, who will report directly to the Head of the company.	(Environment) who reports to Sub Area Manager. At area level Environmental Management Cell is headed by Area Nodal Officer (Env.) and assisted by Asst. Manager (Env.) who report to Area General Manager. At company level Environmental Management Cell is headed by General Manager (Environment)/HOD assisted by qualified and experienced environmental engineers who directly report to the Director (Project & Planning), WCL.
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.	Funds earmarked for environmental protection measures are kept in separate account and not diverted for other purpose. Report of expenditure is sent to Ministry. Expenditure under Environment head is given in this report earlier under Statement of Environment Expenditure.
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 .	Information regarding Environmental Clearance for 0.60 MPTA expansion has been accorded to has been advertised in two local news papers: 1. The Hitavada dated 13 th August, 2010 (English Daily news paper) 2. देशेन्नती (यवतमाल), दिनांक 13 अगस्त, 2010 (Marathi Daily news paper)
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. A copy of environmental clearance letter has been already sent to concern Sarpanch of village Panchayat.
xiv)	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	Not applicable.


	Collector's Office/Tehsildar's Office for 30 days.	
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 , PM _{2.5} SO ₂ and NO _x (ambient) and critical sectoral parameters shall also be displayed at the entrance of the project premises and mine office and in corporate office and on company's website.	<p>Complied.</p> <p>Environmental Clearance letter has been uploaded on WCL's website (www.westerncoal.gov.in)</p> <p>Link for EC letter: http://www.westerncoal.gov.in/sites/default/files/userfiles/env_kumbharkhani.pdf</p>
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 Offices of CPCB and the SPCB.	<p>Complied.</p> <p>Six monthly compliance reports are being sent regularly to concerned authority.</p>
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.	All necessary co-operations will be extended to Regional Office, MoEF & CC, Nagpur.
xviii)	The Environmental statement for each financial year ending 31 March in Form - V is mandated to be submitted by the project proponent for the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be uploaded on the company's website along with the status of compliance of EC conditions and shall be sent to the respective Regional Offices of the MoEF & CC by e-mail.	<p>Environmental Statement for each financial year ending 31st March in Form - V is being submitted online on webportal of Maharashtra Pollution Control Board.</p> <p>Environmental Statement-Form V for 2019-20 has been submitted on online portal of MPCB</p> <p>Currently the mine is not in operation</p>
3	The Ministry or any other competent authority may stipulate any further condition for environmental protection.	Noted.

4	Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted.
5	The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments. 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.	Noted.


Colliery Surveyor
Kumbharkhani UG Mine


Nodal Officer (Env.)
Ghonsa Sub Area


Mine Manager
Kumbharkhani UG Mine


Sub Area Manager
Ghonsa Sub Area