WESTERN COALFIELDS LIMITED

OFFICE OF THE SUB AREA MANAGER MUNGOLI SUB AREA: WANI AREA

PO: SAKHARA (KOL) TA: WANI, DIST: YAVATMAL- 445307

RefNo.WCL/WA/SAM(M)//MSA/CIVIL/2024-25/ 2-7

Date: 29/11/2024

To
Deputy Director General of Forests (Central)
Ministry of Environment, Forest & Climate Change
Integrated Regional Office, Ground Floor, East
Wing, "New Secretariat Building", Civil Lines,
Nagpur, Maharashtra-440001

Sub: - Six monthly EC Compliance report for Kolgaon OC Expansion project, Wani Area for the period from 1st April 2024 to 30th September 2024.

Respected Sir,

Please find enclosed herewith the Six Monthly EC Compliance Report in respect of Kolgaon OC Expansion project, Wani Area for the period from 1st April 2024 to 30th September 2024.

Thanking you.

Yours faithfully,

Sub Area Manager Mungoli Sub Area

Copy To,

1. Regional Officer, MPCB Chandrapur.

2. The General Manager (Env) WCL, Nagpur

3. Area Nodal Officer (Env), Wani Area.

4. Office Copy

WESTERN COALFIELDS LIMITED <u>SIX MONTHLY</u>

EC COMPLIANCE REPORTS

FOR PERIOD OF

1st April 2024 to 30th September 2024



KOLGAON OC EXPANSION PROJECT
WANI AREA, WCL

STATUS OF COMPLIANCE OF ENVIRONMENT CLEARANCE CONDITIONS OF KOLGAON OPENCAST MOEF CLEARANCE LETTER NO J–11015/228/2009/IA-II(M) DATE 16.02.2012

A) SPECIFIC CONDITIONS

S.N.	Conditions	Status of Compliance (as on 30/09/2024)
I	No washery shall be established within the ML without prior environmental clearance from this ministry.	Noted for compliance. No washery is installed within the EC area of mine.
Ti .		Topsoil is being stacked separately at earmarked site. Details related to top soil dump is given below: 1. Top soil Dump quantity as on 31/03/2024 = 8.19 Mm ³ 2. Top soil dump area as on 31/03/2024 = 55.19 Ha At present, no dump is final for spreading of top soil and further plantation.
Iii	The embankment constructed along the river boundary shall be of suitable dimension and stabilized with plantation so as to withstand the peak water flow and prevent mine inundation.	An embankment is constructed for total length 6km with width 30m and height 6m in the mine.
Iv	OB shall be stacked at the six earmarked external OB dumpsite(s) only covering an area of 65 ha and shall not exceed the max. Height of 60m consisting of benches of 15m each. The ultimate slope of the dump shall not exceed 28" Bamboo and other native species shall be planted on OB dumps for slopes stability, Monitoring	present 4 Nos. external OB dumps exists.

and man	agement	of		
the	reclaim	ed		
dumpsite	sh	all		
continue	until	the		
vegetation	becom	es		
sustaining	Complia	ance		
status	shall	be		
submitted	to	the		
Ministry	of			
Environme	ent	&		
Forests	and	its		
Regional	off	ices		
located at	Bhopal	on		
yearly basis				

OB	OB dump details as on 30/09/2024 is tabulated below:					
Sr.	Dump	Type of	External/	Quantity(In	Area	Remarks
No.	Name	Soil (BC/	Internal	Mm3)	(Ha)	
		Hard				
		Soil)				
1	HS31	HD	Internal	78.59	21.30	Active
2	HS1A	HD	External	83.8	17.83	Inactive
3	TS1A	BC	External	36.66	15.96	Inactive
4	HS1B	HD	External	41.15	17.39	Inactive
5		BC	External	17.25	17.75	Inactive
	TS1B					
6	Dump	HD	External	5.05	6.76	Inactive
	No. 1					
7	HS1C	HD	External	4.40	3.58	Inactive
8	TS4	BC	External	14.5	10.17	Inactive
9	TS3	BC	External	2.52	3.13	Inactive
10	OLD	ВС	EXternal	11.03	8.02	Inactive
	ОВ					
	DIMP					

v) Catch drains and siltation ponds of appropriate size should be constructed arrest site and sediment flows from soil, OB and mineral dumps. The water so collected should utilized for watering the mine area, roads, green belt development etc. The drains should regularly desilted and maintained properly.

Garland drains (size, gradient length) and sump capacity should designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine site, sump capacity should also provide adequate retention period allow proper settling of silt material. Dimension of the retaining wall

Garland drain along the periphery of the embankment has been provided for a length 8370m, width 3m and height 3m. Catch drains of dimension 3000 m length, 3.5m width and 3m height is provided around OB dump as well as around the quarry. Desilting is done before every monsoon.

The sump of adequate capacity, considering peak rainfall to provide initial settlement of suspended particles. The water then is being pumped out on surface & led into surface sedimentation tank of size 2 Nos. of each 22 m x 4m x 2.5m

	at the toe of dumps and OB benches within the mine to check run-off and siltation should be based on the rainfall data.	
vi)	Crusher of the CHP of adequate capacity for the expansion project shall be operated with high efficiency bag filters, water sprinkling system shall be provided to check fugitive emissions from crushing operations, conveyor, haulage roads, transfer points. Etc.	At mining lease area of Kolgaon OC mine, no CHP is present. The coal from Kolgaon Mine is crushed at dedicated CHP located at Ghugus OC. The CHP is fully covered with GI sheets and mist sprinklers are installed inside CHP.
vii)	Drill shall be wet operated.	1 No. drill is present which is fixed with wet drilling technology and dust extractor.
viii)	The project authorities shall ensure that the roads used for mineral transportation are black topped and are properly maintained A-3 tier green belt comprising of a Mix of native species shall be developed all along the major approach roads and major haul roads.	The length of road within mining lease area is given below: 1. Bitumen road is 1.6 km and 2. Concrete road is 200 m The coal transportation road from Kolgaon mine to Ghugus has an average lead of 13.163 Km. The complete road is black top with few concrete sections at critical areas. 2500 Nos. of plants have been planted near roadside within EC area of mine. 10000 nos of plants have been planted near mine boundary in 4 HA in FY-2023-24.
ix)	The capacity of trucks used for transportation shall be minimum 25T trucks and shall be mechanically covered.	The capacity of trucks deployed for coal transportation is as per approved guidelines. All the trucks are covered with Tarpaulin before leaving mine premises.
x)	Controlled blasting shall be practical with use of delay detonators and only during daytime. The mitigative measures for control of ground	Controlled blasting is in practice with due permission from DGMS. All conditions stipulated by DGMS for control of ground vibration and for arresting fly rocks & boulders are strictly followed during actual operation.

	vibrations and to	
	1	
	arrest the fly rocks	
	and boulders shall be	
	implemented.	
xi)	A progressive	Till 30/09/2024 total 58100 nos. of plants have already been
	afforestation plan	planted in a total area of 23.24 ha around the mine. The species
	shall be implemented	planted are Neem, Karanj, Arjun, Mango, Jamun, Gulmohar, etc.
	covering an area not	55600 Nos. plants have been planted in plain land 22.24 Ha area
	less than 160.77 ha,	and 2500 Nos. plant planted in 1 Ha area have been planted near
	which includes	road within mine premises.
	reclaimed external	
	OB dump and	
	embankment area and	
	(71.8 ha). Backfield	
	1 ` ′	
	area(30 ha), along ML	
	boundary, along roads	
	and infrastructure (3	
	ha), embankment	
	(16.85 ha) and within	
	vacant land (55.92	
	ha) and in township	
	located outside the	
	lease by planting	
	native species in	
	consultation with the	
	local DFO	
	/Agriculture	
	Department. The	
	density of the trees	
	shall be around 2500	
	plants per ha. Massive	
	plantation shall be	
	carried out in open	
	spaces in and around	
	_ ^	
	the mine and avenue	
	plantation along the	
	main approach roads	
::>	to the mine.	Diameter's as a first of the fi
xii)	Of the total quarry	Plantation on backfilled area will be done in future after mine
	area of 116.56 ha, the	closure.
	backfield quarry area	
	of 65.20 ha shall be	
	reclaimed with	
	plantation using	
	native species and a	
	void of 72.38 ha	
	proposed at the post	
	mining stage and to	
	be converted into &	
	water body shall be	
	gently sloped and the	
	upper benches shall	
	be terraced and	
	stabilized with	
	plantation /a	
L	11	

xiii)	afforestation by planting native plant species in consultation with the local DFO/Agriculture Department The density of the trees shall be around 2500 plants per ha. No groundwater shall be used for the mining operation.	At present no Ground water is used for mining operation.
xiv	Regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells and construction of new piezometers. The monitoring for quantity should be done four times a year in premonsoon (May), monsoon (August) postmonsoon (November) & winter (January) seasons and for quality in May. Data thus collected should be submitted to the Ministry of Environment & Forests and the Central Pollution Control Board, quarterly within one month of monitoring.	locations of Buffer zone is being done by third party M/s. Anancon Laboratories Pvt. Ltd. Nagpur, for four times a year i.e. during premonsoon (May), monsoon (August), post-monsoon (November), and winter (January) seasons. The monitoring report is regularly sent to Regional Officer, CGWB Nagpur with a copy to MoEF&CC & CPCB. The groundwater level and water quality data is submitted to Regional office of ministry, CGWA and MPCB. Copy of Ground water level monitoring report for the period December 2022 to August 2024 and Ground water quality analysis report for May 2024 has been forwarded from our mail on dtd. 28/11/2024. (Copy enclosed as Annexure-A)
xv)	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	Deepening of pond under CSR have been done at Takli and Shivni village.

	go dry due to dewatering of mine			
xvi)	Sewage treatment plant shall be installed in the colony. ETP shall also be provided for workshop and CHP waste water.	There is no dedicated colony for Kolgaon OC mine, in its mining lease area. People working at Kolgaon OC mine resides at Kailashnagar colony (township within mining lease area of Mungoli OC). At Kailashnagar, 0.40 MLD capacity STP is provided. The mine fully contractual thus no workshop exists. Therefore, no ETP is provided.		
xvii)	Besides carrying out regular periodic health check up of their workers, 10 % at the workers identified from workforce engaged in active mining operations shall be subjected to health check up for occupational	Initial medical examination (IME) is done for the way Moreover, regular health checkups through periodical research examination (PME) of all the workmen once in 5 years as statue and workers above 55 years of age once in a conducted. All the works are being carried out with all the measures and awareness is being created among employ safety and to avoid any accidents. Details of PME and IME conducted in last year are tabulated by		through periodical medical n once in 5 years as per the of age once in a year is rried out with all the safety ated among employees for
	diseases and hearing impairment, if any, through an agency / institution within the district as within a period of one year and the recruits reported to this ministry and to DGMS as part of compliance report.	Year 2019 2020 2021 2022 2023 2024 (Till Oct)	PME (in Nos.) 24 46 9 23 68 16	Cont IME (in Nos.) 46 87 82 55 77 31
xviii)	For monitoring land use pattern and for post mining land use a time series of land use 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 officer at Bhopal.	less than 5 million cum. (Coal+OB) capacity is being done once in year by Satellite and the data is available in the website of WCL. The satellite data for Kolgaon OC mine for year 2023 is enclosed Data is submitted to Regional Office, MoEF&CC, Nagpur on simonthly basis. (Copy Enclosed as Annexure-B)		acity is being done once in 3 ble in the website of WCL. e for year 2023 is enclosed. MoEF&CC, Nagpur on six
xix	A final mine Closure plan along with details of corpus Fund shall be submitted to the ministry of Environment &	done as per app The Mine Closu by the WCL Bo having account	roved Mine closure planure Plan for this project pard along with opening no. 08973161009453	g, afforestation etc. will be n. was approved on June 2012 g of a corpus fund / account was opened at the Oriental Nagpur. The total corpus

forests 5 before Amounts available in the account as on date 31/03/2024 is years mine closure 57,80,74,749.23 INR (Including the principal along with the for approval, in case the deep interest). side extension project is not planned / implemented The project The sanctioned CSR fund and expenditure (workwise, village wise xx) authorities shall along with amount) is displayed in official WCL website. consultation with the panchayat of the local Expenditure incurred in CSR- Wani Area villages identify Expenditure incurred on CSR activities Year socio-economic and (Rupees in lakhs) welfare measures under CSR to be carried out 2012-2013 116.07 over the balance life of 2013-2014 146.80 the mine. A budget / 2014-2015 167.02 provision of Rs 5 per 2015-2016 45.28 tonne of coal shall be 2016-2017 61.04 earmarked for CSR 2017-2018 35.44 activities. The 2018-2019 31.80 villages to be adopted 2019-2020 45.98 under CSR shall include 2020-2021 37.42 kolgaon, Takli, Chikhali, 2021-2022 19.71 Jugad Sindola and 2022-2023 58.32 Sakhara. The budget and 2023-2024 94.40 expenditure therein village-wise and In addition to this people from nearby villages are employed in activity-wise for CSR contractual mining and civil works. shall be displayed on WCL website and also Health camps are being conducted in nearby villages with our included as part of the company doctors and medical staff for improving awareness and Annual Plan. health consciousness among people. CSR clinic is provided at Area Hospital, Rajiv Ratan Central Hospital for PAF. CSR day is scheduled on Monday and Thursday. An average of 1100 Nos. of people from project affected families from nearby villages of mines of Wani Area gets treated in the hospital every month. Approved CSR policy of CIL is being followed.

xxi) The company shall have well laid down Corporate Environmental policy approved by the Board of Director. The Environment Policy shall prescribe for standard operating process / procedures to bring in focus infringement/ any deviation/ violation of the environmental norms /condition to provide for checks and balances the company should have a well laid out system of reporting on non-compliances/ violations of environmental norms to the Board Directors of the company and shareholders or stakeholders at large.

Coal India Limited (CIL) has formulated a comprehensive Environment Policy only in March 2012, followed by a revised policy in December 2018 approved by CIL Board in its 377th Meeting held on 20th December 2018 for implementation at CIL and its subsidiaries.

This Corporate Environment Policy 2018 of CIL was subsequently discussed in the 309th Meeting of the Board of Directors of WCL held on 04.03.2019. After deliberation, WCL Board has adopted the policy in principle for implementation in WCL and the same was communicated vide Ref: WCL/BD/SECTT/BM-309/2019/267 dated 15.03.2019.

GENERAL CONDITIONS:

S.N.	CONDITIONS.	STATUS OF COMPLIANCE.
i	No change in mining technology and scope working shall be made without prior approval of the ministry of environment and forests.	Noted for compliance. No change has been made or envisaged in future.
ii	No change in the calendar plan including excavation quantum of mineral coal and waste shall be made.	Noted for compliance.
iii	stations shall be established in the core zone as well as buffer zone for PM 10 PM 25 SO2 & NOx monitoring, location of the stations shall be decided based on	Kolgaon village. SPM, PM10, PM2.5, SO ₂ , Nox is being monitored regularly at these station on

V	Fugitive dust emissions (PM 10 & PM 2.5) from all the sources shall be controlled regularly monitored and data recorded properly. Water spraying arrangement on haul roads, loading & unloading / transfer points shall be provided and properly maintained. Data on ambient air quality (PM,10 PM 2.5 SO2, & NOx,) shall be regularly submitted to the ministry including its regional office at Bhopal and the state Pollution Control Board & the Central Pollution Control Board once in six months.	Dust emissions is controlled by providing 08 Nos. rain guns along weigh bridge road. Both side, Weigh Bridge approaches of length 700 m have been concreted. The approach road of 2.30 Km length upto coal stock yard has been black topped. Ambient air Heavy metal monitoring is being done once in six month. Environment Monitoring Reports 2024-25 (April 2024 to September 2024), Half yearly heavy metal report till September 2024 are sent to RO MoEF&CC Nagpur, MPCB,CPCB through Email (Copy Enclosed as Annexure-C)
Vi	Adequate measures shall be taken for control of noise levels below 85 DB (A) in the work environment. Worker engaged in blasting and drilling operations of HEMM.CHP etc. shall be provided with ear plugs/muffs.	Noise levels are being monitored and all the necessary measure are made to reduce noise pollution in the mines. The required personnels are being given with Personal protective equipment (PPE) like ear plugs/muffs. The issuance of safety equipment like dust mask, safety jacket, helmet, mining shoe and gumboot is given in Specific condition Sr. No.(x)
Vii	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. Oil grease trap should be installed before discharge of workshop effluents.	Waste water from the mine i.e. Mine pumped-out water is the strata water, seepage water which gets collected at the mine sump. The sump allows significant retention period for settling of suspended particles. The supernatant water is then pumped out from the mine and fed into the surface sedimentation pond. The water discharged from sedimentation pond is then let off for natural discharge. Sedimentation tank of dimension - 2 Nos. of each 22 m x 4m x 2.5m is provided
Viii	Vehicular emissions shall be kept under control and regularly monitored. Vehicular used for transporting the mineral shall be covered with tarpaulins and optimally loaded till the mechanically conversed trucks introduced by company.	Light vehicles used are having valid PUC certificate Vehicles used for transporting the minerals are covered with tarpaulin and optimally loaded
Ix	Environmental laboratory shall be established with adequate number and type of pollution monitoring and analysis equipments in consultation with the state pollution control board.	CMPDI – RI- IV, Nagpur monitors the pollution at mine. It is well equipped and has NABL accredited laboratory.

Personnel working in dusty areas shall wear protective respiratory devices and they should also be provided with adequate training and information on necessary safety and health aspects. Occupational health surveillance programme of workers shall be under taken periodically to observe anv contractions due to exposure to dust and take corrective measures, if | Details of PME and IME are given below: needed and records maintained thereof.

Workers engage in industry are provided appropriate dust mask. However safety measures are being taken. Health aspects are taken care through regular Periodical Medical examination. The workers are given regular training on safety and health Asper statute, Periodical examination is carried out for each employee once in every 5 years to detect any diseases so that appropriate actions can be taken. PME report enclosed.

Year	PME (in Nos.)	Cont IME (in
		Nos.)
2019	24	46
2020	46	87
2021	9	82
2022	23	55
2023	68	77
2024	16	31
(Till Oct)		

Regular training of departmental and contractual workers are conducted at Vocational Training Center Ghugus. Details are tabulated as below:

	Training			Need	Total
Calende r year	Dept.	Cont.	Refresher Training	based special training	people trained (in Nos.)
2016	0	0	4	6	10
2017	0	64	0	11	75
2018	0	34	10	27	71
2019	1	44	11	45	101
2020	0	17	3	147	167
2021	6	363	9	32	410
2022	1	251	13	27	292
2023	1	134	10	26	171

Xi A separate environmental management cell with suitable qualified personnel shall be set-up under the control of a Sr. Executive, who will report directly to the head of the company.

To deal with environmental issues and for ensuring compliance with environmental clearance conditions at project level Environmental management cell is headed by Sub Area Manager and is assisted by Project Nodal officer (Env).

At area level, Area General Manager, Heads the environment cell and is assisted by General Manager (Op) and Nodal officer (Env).

At corporate level at HQ, there is full-fledged Environment Department which is headed by General Manager (Env) with a multi-disciplinary team of qualified and experienced engineers. The head of Corporate Environment department reports directly the Director (Tech), who is nominated owner of the company.

Xii	The funds earmarked for environmental Protection measures should kept in separate account and shall not be diverted for other purposes. Yearwise expenditure should be reported to the Ministry and its Regional Office located at Bhopal.	measure is not being diverted and exclusively used for Environmental activity. Environment Revenue expenditure in FY 2023-34 was Rs.182.85 Cr
Xiii	The regional office of this Ministry located at Bhopal 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.	
Xiv	A copy of the will be marked to concerned Panchayat/local NGO, if any, suggestion/representation has been received while processing the proposal.	
Xv	State pollution control Board shall display a copy of the clearance letter at the Regional office, District Industry Center and Collector's	
Xvi	The project authorities shall advertise at least in two local newspapers widely circulated around the project, one of which shall be in the vernicular language of the locality concerned within seven days of issue 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 web site of the Ministry of Environment, Forests and Climatic change.	

Sub Area Manager Mungoli Sub Area (Kolgaon OCM) Wani Area,WCL

