

उपक्षेत्रिय प्रबन्धक का कार्यालय कोलारपिंपरी-पिम्पलगांव उपक्षेत्र

# वेस्टर्न कोलफील्ड्स लिमिटेड

### WESTERN COALFIELDS LIMITED

(मिनीरत्न कंपनी) (A Miniratna Company) (कोल इंडिया लि. की अनुष्मी कंपनी) (A Subsidiary of Coal India Limited

कोलारपिंपरी- पिम्पलगांव उपक्षेत्र, वणी नॉर्थ क्षेत्र Kolarpimpri-Pimpalgaon Sub Area, Wani North Area



एक कदम स्वच्छता की ओर

Office of the Sub Area Manager Kolarpimpri-Pimpalgaon Sub Area. www.westerncoal.nic.in

पंजी.का: पो.रासा, तह. वनी, जि. यवतमाल (महाराष्ट्र)-445304/ Regd. Off Po. Ukni, Tah Wani, Dist. Yavatmal Mah- 445304 संदर्भ संख्या / Ref. No. WCL/WNA/KPOC-PPGSA/SAM/2024-25/ Date: 30.11.2024

To,

Addl. Principal Chief Conservator of Forests,
Ministry of Environment, Forest & Climate Change,
Regional Office (WCZ),
Ground Floor, East Wing,
"New Secretariat Building",
Civil Lines, Nagpur – 440 001 (M.S.)

Sub: Six Monthly Compliance Report of Conditions Stipulated in Environmental Clearance for Pimpalgaon Extension Open Cast Mine (1.50 MTPA) of Wani North Area, WCL for the period April 2024 to September 2024.

Dear Sir,

With reference to above subject matter, please find enclosed herewith the Six Monthly Compliance Report of Conditions Stipulated in Environmental Clearance for Pimpalgaon Extension Open Cast Mine (1.50 MTPA) of Wani North Area, WCL for the period April 2024 to September 2024 for your kind information please.

Thanking you.

Yours faithfully

Sub Area Manager Kolarpimpri-Pimpalgaon Sub Area

#### Copy:

- 1. AGM, WNA
- 2. GM Env/HOD, WCL HQ, Nagpur
- Regional Officer, MPCB, 1st Floor, Udyog Bhawan, Railway Station Road, Chandrapur - 442401
- 4. ANO(Env), WNA
- 5. Office Copy

## Ministry of Environment, Forests & Climate Change, Regional Office (WCZ), Nagpur MONITORING PROFORMA: PART – I (DATA SHEET)

Name of the Project	Pimpalgaon Extension OC Coal Mine	
Location and address	Village- Near Boregaon & Pimpalgaon, Post- Ukni, Teh-	
	Wani, Dist- Yavatmal, State- Maharashtra	
Address for correspondence	Post- Ukni, Tah- Wani, Dist -Yavatmal, State -	
	Maharashtra	
MoEF&CC Environment Clearance Letter	EC Letter No. J-11015/314/2006-IA.II(M) Dated 20 <sup>th</sup>	
No. & Date	March, 2007 (production from 0.60 MTPA to 1.50 MTPA	
	and lease area from 450 ha to 451.87 ha)	
Period of Status Report	April 2024 to September 2024	
Date of commencement of the project	23 <sup>rd</sup> May, 1993	
Work		

## Status of Land Acquisition:-

Type of Land	Required as per EMP (ha)	Actual acquired (ha) as on 30.09.2024
Forest	Nil	Nil
Agriculture	439.77	439.77
Other, Waste land	12.10	12.10
Total	451.87	451.87

Status of Legal Compliance:-

a. Consent under Air	Consent to operate has been granted by MPCB vide Consent Order		
(Prevention and control	No. RED/L.S.I (R35) No:- Format 1.0/CAC/UAN No.		
of Pollution) Act.	MPCBCONSENT- 0000134650/CR//2212000807 dated 13/12/2022		
b. Consent under Water	valid upto 30/04/2024.		
(Prevention and Control	CTO renewal applied.		
of Pollution) Act.			
c. Environment	Environment Clearance accorded by MoEF & CC vide EC letter no.:J-		
(Protection) Act	11015/314/2006-IA.II(M) Dated 20th March, 2007 (production from 0.60		
	MTPA to 1.50 MTPA and lease area from 450 ha to 451.87 ha)		
	Environment Audit statement for the year 2023-24 has been submitted online		
	on MPCB portal.		
d. Forest	N.A.		
(Conservation) Act			

### PART-II

## STATUS OF ENVIRONMENT

# **Air Pollution Control:**

a) No. of Ambient Air Monitoring	04 Nos.
Stations	
b) Name of the Location	1) SAM Office (WNPOA1)
,	2) Water Filter plant-Pragati Nagar (WNPOA2)
	3) Workshop –(WNPOA3)
	4) Boregaon Village –(WNPOA4)
_	Fugitive Dust Monitoring Data
	1)Weigh Bridge and 2) CHP
c) Ambient Air Quality status for the	
parameters prescribed by State Pollution	Location SPM RSPM NO <sub>x</sub> SO <sub>2</sub>
Control Board. (Average 95% time	Environmental Monitoring reports from April 2024 to
weighted value)	September 2024 are enclosed.

## **Water Pollution Control:**

N. A.
N. A.
N. A.
* · .
At present there is no pumping activity in the mine.

# **Noise Pollution Control:**

a) No. of noise monitoring stations & frequency	: 2 No.(Fortnightly)
of monitoring b)Description of locations	1.Near Manager Office: W <sub>N</sub> PON-1 2.Colony (Bhalar): W <sub>N</sub> PON-2
c) Noise level status prescribed by state pollution control board.	Location Day Night Environmental Monitoring reports from April 2024 to September 2024 are enclosed.

#### PART-III

#### STATUS OF IMPLEMENTATION OF PROVISIONS OF EMP

1) Production - Consented capacity 1.50 MTPA The year wise production data are as follows:

Year	Coal Production (tons)
2017-18	322.00
2018-19	Nil
2019-20	Nil
2020-21	Nil
2021-22	Nil
2022-23	Nil
2023-24	Nil
2024-25(Upto Sept.2024)	Nil

2) Afforestation (Figures in Number)

S.N.	Locations	Current Period	Progressive Up to 30.09.2024	Area Covered in Ha
1)	OB Dumps (Embankments)	NIL	164550	65.82 Ha
2)	Safety Zones	Nil	Nil	
3)	Other Area			
	i. Avenue	Nil	6350	2.54 Ha
	ii. Plain	Nil	1,72,500	70.20 Ha
	TOTAL PLANTS	Nil	3,46,400	138.56 На

Locations are marked on the working mine plan. Mine Plan is enclosed, in which plants are shown.

Area under plantation (progressive)	138.56 На
No. of plants per Hectare.	2500/Ha
Species planted up to date	Neem, Chickoo ,Gulmohar, Cassia, Amla,
	Pipal, Jamun and sagwan etc

#### Organizational set up at Project level:-

Name and designation of the persons:

- (1) Shri Manish Chawada, SAM, Kolarpimpri Pimpalgaon Sub Area.
- (2) Shri Sathyanarayana Koutam, Colliery Manager, Pimpalgaon OCM
- (3) Shri Vinay Kumar, SAE (C)/NO(Env.), Kolarpimpri Pimpalgaon Sub Area

(4) Shri Ranjeet Giri, Survey officer, Pimpalgaon OCM

Pimpalgaon OCM

(C) / NO(Env)

Kolar Pimpri - Pimpalgaon Sub

Pimpalgaon OCM

Sub Area Manager Kolar Pimpri - Pimpalgaon Sub

Area

#### **EXPENDITURE**

### Capital Head:-

Figures in De Lakh

Account Head	Account Head Current Period (April 2024 to September 2024)	
Reclamation(HEMM)	Nil	Nil
Air Pollution Control		174.76
Water Pollution Control		174.70
1. Fixed Sprinkler		24.76
2. ETP		13.72
3. Sedimentation Tank TOTAL	·	1.90
TOTAL		215.14

### Revenue Head: -

Account Head Current Pariod Prigures in Rs. Lak		
Account nead	Current Period	Progressive
A CC	(April 2024 to September 2024)	
Afforestation		163.12
Monitoring		103.12
(I) MPCB analysis charges		10.00
(II) CMPDIL- for Q.E. September, 2018.		19.98
(		46.58
Legal expenses		
Air Pollution	/	4.88
(Sweeping, brooming & sprinkling)		B
Cement Road 1.2 KM		260.95
Water pollution	F 4	
Sedimentation tank & ETP Operation		32.90
Mobile water tanker		32.90
		158.94
Hazardous waste disposal		3.48
Consent fees		115.71
Water Cess		
TOTAL		4.04
		810.58

SAE (C)/No(Env)
Kolar Pimpri-Pimpalgaon SA,
Wani North Area.

Colliery Manager Pimpalgaon OCM KP-PPG SA, WNA

Sub Area Manager Kolar Pimpri–Pimpalgaon SA Wani North Area.

## STATUS OF COMPLIANCE OF ENVIRONMENTAL CLEARANCE CONDITIONS

Name of the Project: Pimpalgaon Extension Open Cast Mine (for production capacity from 0.60 MTPA to 1.50 MTPA

EC Letter No.: MoEF&CC vide letter no. J-11015/314/2006-IA.II(M) Dated 20<sup>th</sup> March, 2007

### A. Specific Conditions

SI. No.	Specific Conditions	Compliance Status
i)	Mining shall be carried out as per statuette at safe distance from Wardha river.	Mine is 1.5 km away from Wardha River
ii)	The Embankment constructed along the river shall be of suitable dimensions and stabilized with plantation so as to withstand the pick water flow and prevent mine inundation.	Mine Quarry is about 1.5 Km away from Wardha river. Currently mine is not operational.
iii)	Top soil stacked properly with proper slope at earmarked site (s) should not be kept active and shall be used immediately for reclamation and development of green belt.	Agreed. Currently mine is not operational.
iv)	OB should be stacked at the earmarked 5 external dump sites within ML area, which shall be maximum height of 60 mtrs only and consists of four benches of 15 mtrs each. The ultimate slope of the dump shall not exceed 28 degree. Monitoring and management of reclaimed dump site should continue until the vegetation becomes self- sustaining. Compliance status should be submitted to the ministry of Environment & forests and its Regional Office located at Bhopal on a yearly basis.	OB stacked at earmarked site within ML area as per statutory regulations.  Dump No. Height 1 60 m (max) 2 60 m (max) 3,4,5,6,7 35 to 50 m 10 (BC) 10 m  The details of plantation carried out are regularly submitted to MoEF&CC.
v)	Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from soil, OB and mineral dumps. The water so collected should be utilized for watering the mine area, roads, green belt development, etc. The drains should be regularly de-silted and maintained properly.  Garland drains (size, gradient and length) and sump capacity should be 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 to allow proper settling of silt material.	Catch drains of appropriate size have been constructed as need basis to arrest silt and sediment flows from OB dumps & drainage has also been provided in OB benches and coal benches to carry silt and sediments into the mine sump provided at the floor of the seam. The catch drains around embankment has already been constructed. The total length is about 8000m and the dimensions of catch drain are 3.0mx1.50 mtrs.  Mine having two sectors, one sector having sump of dimension 750x65x20 and 2 <sup>nd</sup> sump is of dimension 950mx150mx18 which is adequate to deal with peak sudden rainfall. The sump provides adequate settlement time for suspended particles.

vi)	Dimension of the retaining wall at the toe of the dumps and OB benches within the mine to check run-off and siltation should be based on the rainfall data.	The silt and sediments gets accumulated in the catch drain during monsoon. And these catch drains are desilted, cleaned as needed for proper drainage and arresting silts. As such separate retaining wall is not required.			
vii)	Drills should be wet operated only	Agreed			
viii)	Controlled blasting should be practiced with use of delay detonators. The mitigative measures for control of ground vibrations and to arrest the fly rocks and boulders should be implemented.	Agreed			
ix)	High efficiency bag filter/water sprinkling system to check fugitive emissions from crushing operations, conveyor system, haulage roads, transfer points etc shall be installed and operated effectively at all times of operation.	CHP having water sprinkler system to check fugitive emissions from crushing operations, conveyor system, transfer points etc operated effectively at all times of operation. At present the CHP is being utilized & operated by Junad OCM, WNA, WCL.			
x)	An area not less than 213.50 Ha shall be	Area under plants	s, as follov	WS-	
	brought under a forestation which includes reclaimed external OB dump	Location	No. of Plants	Area (Ha)	Species
	(106 Ha), back filled area (30.00 Ha)	OB Dumps	164550	65.86	Bamboo, Siwan,
	along ML boundary, along roads and infrastructure green belt (77.50 Ha)	Avenue	6350	2.54	Khair, Gulmohar,
	embankment, and undisturbed / vacant				Sagwan, Sicco,
	area, and township located outside the	,			Karanj, Neem
	lease by planting native species in	1			etc.
	consultation with the local DFO/	Waste Land/	175500	70.20	
	Agriculture Department .The density of	Vacant Land	214100	400 = 4	
	the trees should be around 2500 plants per Ha.	Total	346400	138.56	
xi)	A progressive mine closure plan shall be implemented by reclamation of quarry area of which 30 ha shall be back filled and afforested by planting native plant species in consultation with the local DFO/ Agriculture Department. The density of the tree should be around 2500 plants per Ha. The balance 84.00 ha of decoaled voids which are being converted into a water reservoir, shall be gently sloped along the upper benches, terraced and reclaimed with plantation. The outer periphery of the water body shall be fenced.	Agreed,			
xii)	The company shall obtain prior approval of CGWA/CGWB Regional office for use of ground water for mining operations.	It is being implemented as per schedule			
xiii)	· · · · · · · · · · · · · · · · · · ·				

		,
1	such as NIOH, Ahmadabad within period	
	of two years and the results reported to	
	this Ministry and to DGMS.	
xi	,	Mine closure plan has been prepared and duly approved
	details of corpus Fund should be	by WCL Board.
	submitted immediately upon receipt of EC	The corpus fund has been deposited in following escrow
	to the ministry of Environment & Forest	account:
	RO, Bhopal for approval.	Bank & Branch: Oriental Bank of Commerce, Jaripatka,
		Nagpur
		Escrow Acc. No.: 09973161002829
		Balance as on 31.03.2024: Rs. 69,44,66,994.23
XV	) Consent to operate shall be obtained	Consent to operate has been granted by MPCB
	before expanding mining operations in the	vide Consent Order No. RED/L.S.I (R35) No:-
	additional lease area and for the enhanced	Format 1.0/CAC/UAN No. MPCBCONSENT-
	rated capacity.	0000134650/CR//2212000807 dated 13/12/2022
	,	valid upto 30/04/2024.
	· ·	CTO renewal applied.
		,

## **B.** General Conditions

Sl.	Conditions	Compliance Status		
No.		_		
i).	No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment & Forests.	No change in mining technology & scope has been made.		
ii).	No change in the calendar plan including	Noted.		
,	excavation, quantum of mineral coal and waste	The year wise production data are as follows:		
	should be made.	Year Coal Production (tons)		
		2016-17 360021.00		
		2017-18 322.00		
		2018-19 0.00		
		2019-20 0.00		
		2020-21 0.00		
		2021-22 0.00		
		2022-23 0.00		
		2023-24 0.00		
		2024-25 (Upto 0.00		
iii).	Four ambient air quality stations should be established in the core zone as well as in the buffer zone for RPM, SPM, SO <sub>2</sub> , NO <sub>x</sub> monitoring. Location of the stations should be decided based on the metrological data, topographical features and environmentally and ecologically sensitive targets in consultations with the State Pollution Control Board.	Following four ambient air quality monitoring stations have been established in the core zone and buffer zone for PM10, PM2.5 SO2 and NOx monitoring:-  1. SAM Office (W <sub>N</sub> POA -1)  2. Water Filter plant-PragatiNagar (W <sub>N</sub> POA -2  3. Workshop (WNPOA -3)  4. Boregaon Village - (WNPOA -4)  These stations are also shown on the enclosed plan.  Reports are submitted regularly. Environmental Monitoring reports from April 2024 to September 2024 are enclosed with this report.		

v).	Fugitive dust emissions (SPM & RPM) from all the sources should be controlled regularly monitored and data recorded properly, water spraying arrangement on haul roads, wagon loading, trucks, (loading & unloading) point should be provided and properly maintained.  Data on Ambient air quality (RPM, SPM, SO2,	being monitored at following locations:  1. Weigh bridge(W <sub>N</sub> POF -1),  2. CHP(W <sub>N</sub> POF -1)  Fugitive emission of dust is being controlled in the following manner.  External OB Dump - Through dump plantation.  Roads - Through mobile tanker, Road sweeping & brooming.
	NOx) should be regularly submitted to the Ministry including its Regional office at Bhopal and to the SPCB/CPCB once in a six months.	Data on ambient air quality (TPM, PM 10, NOx, SOx and PM 2.5) is regularly submitted to MoEF&CC & its Regional Office at Nagpur along with six monthly report on compliance of EC conditions.  Environmental Monitoring reports from April 2024 to September 2024 are enclosed with this report.
vi).	Adequate measures should be taken for control of noise levels below 85 dB(A) in the work environment. Workers engaged in blasting and drilling operations, operations of HEMM, etc should be provided with ear plugs/ muffs.	HEMM and noise making machines are maintained regularly. Workers engaged in operation of HEMM are provided with ear plugs. Regular monitoring of noise level is being conducted regularly. Noise Monitoring reports from April 2024 to September 2024 are enclosed with this report.  Noise Quality Monitoring Station.  1) Near Manager Office: W <sub>N</sub> PON-1 2) Colony (Bhalar): W <sub>N</sub> PON-2
vii).	Industrial waste water (workshop and waste water from Mine) should 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> Dec 1993 or as amended from time to time, before discharge Oil & grease trap should be installed before discharge of workshop effluents.	The mine water after initial sedimentation in the mine sump is pumped out to the surface sedimentation tank (size of 14.20m x 7.15m x 1.50m). After sedimentation this is used for fire fighting, spraying on the haul road etc. workshop ETP (capacity 0.1 MLD) exists for industrial waste water treatment.
viii).	Vehicular emissions should be kept under control and regularly monitored. Vehicles used for transporting and mineral should be covered with tarpaulin and optimally loaded.	Vehicular emissions are kept under control. Vehicle being used for coal transportation are covered with tarpaulin and optimally loaded. All the vehicles which are directly or indirectly related to the mining activity are having valid PUC Certificate from the authorized agencies
ix).	Environmental laboratory should be established with adequate number and type of pollution monitoring and analysis equipment in consultation with the State Pollution Control Board.	Monitoring of environmental quality parameters is being carried out by RI-IV Nagpur, CMPDIL. A fully fledged Environmental laboratory (An ISO 9001:2015 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
x).	Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to	Persons working in dusty areas have been provided with masks, helmets, goggles, etc. They are regularly trained for safety and health aspects. Periodical medical examinations are being carried by WCL for their employee's i.e. once in 5 years.

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	observe any contradictions due to exposure to dust	
	and to take corrective measure, if needed.	
xi).	A separate environmental management cell with	Environment cell exists at HQ headed by GM
	suitable qualified personnel should be set up under the control of a Senior Executive, who will report directly to the Head of the Company.	(Environment) with team of qualified multidisciplinary Engineers. At area the cell is headed by Area General Manager assisted by
		GM (Operation) & Area Nodal office (Environment), at project level the cell is headed by Sub Area Manager assisted by
		Nodal Officer of Environment. GN (Environment) of HQ directly reports to th Director (Technical) P&P.
xii).	The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office located at Bhopal	The funds earmarked for environmental protection measures are not used for any other purpose. The expenditure both under capital & revenue for the current year as well as progressive is given in the Expenditure Statement. It is regularly reported to Regional Office, MoEF & CC along with Six Monthly Report.
xiii).	Bhopal shall monitor compliance of the stipulated conditions. The project authorities should extend full co-operation to the office(s) of the Regional Office by furnishing the requisite data/information/monitoring reports.	Six monthly reports on compliance to environmental clearance conditions are regularly submitted to RO, MoEF&CC Nagpur & full cooperation is being extended to them as and when they visit.
xiv).	concerned Panchayat/local NGO. If any from whom any suggestion/representation has been received while processing the proposal.	A copy of environmental clearance letter has been sent to concerned Sarpanch of village Panchayat.
xv).	State Pollution Control board should display a copy of the clearance letter at the Regional Office, District Industry Center and Collector's office/Tehsildar's office for 30 days.	Not Applicable.
xvi).	two local news papers 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 web site of the Ministry of Environment & Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a>	Complied.
3	The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	Noted.
4	Failure to comply with any of the conditions mentioned above may result withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted.
5	The above conditions will be enforced inter-alias, under the provisions of the Water (prevention & control of pollution) Act, 1974, the Air (Prevention	Noted.

& control of pollution) Act 1981, the environment (Protection) Act 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

Survey officer Pimpalgaon OCM S.A.E. (Civil)

Kolar Pimpri–Pimpalgaon Sub

Area

Colliery Manager Pimpalgaon OCM

Sub Area Manager Kolar Pimpri-Pimpalgaon Sub Area