



वेस्टर्न कोलफिल्ड्स लिमिटेड Western Coalfields Limited

(मिनीरत्न कंपनी) (A Miniratna Company)

(कोल इंडिया लि. की अनुषंगी कंपनी) (A Subsidiary of Coal India Limited)

CIN-U10100MH1975GOI018626



क्षेत्रीय महाप्रबंधक कार्यालय, चंद्रपुर क्षेत्र / Office of Area General Manager, Chandrapur Area

पता: वेकोलि, चंद्रपुर क्षेत्र, पो. बाबुपेठ जि. चंद्रपुर, / Address: WCL, Chandrapur Area, Po- Babupeth,  
महाराष्ट्र, पिन: 442403 Dist: Chandrapur, MS, Pin-442403

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संदर्भ संख्या: वेकोलि/चक्षे/क्षेमप्र/पर्यावरण/2024-25/ 277

दिनांक: 04/07/2024  
85

प्रति,

अतिरिक्त प्रधान मुख्य वन संरक्षक,  
पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय,  
क्षेत्रीय कार्यालय (WCZ),  
भूतल, पूर्वी विंग, नया सचिवालय भवन,  
सिविल लाइन्स, नागपुर- 440001

विषय: Six Monthly Report against Compliance of Conditions of Environmental Clearance letter  
for Padmapur Opencast Mine of Chandrapur Area, WCL (As on 01.04.2024)


संदर्भ: EC letter No. J-11015/258/2008.IA.II(M) dtd: 14.07.2009

महोदय,

Please find enclosed herewith, Six Monthly Report against Compliance of Conditions  
of Environmental Clearance letter for Padmapur Opencast Mine of Chandrapur Area, WCL  
(As on 01.04.2024)

This for your kind information & necessary action please.

भव दि य

  
05/7/24  
क्षेत्रीय केंद्रस्थ अधिकारी (पर्यावरण)  
वेकोलि, चंद्रपुर क्षेत्र

संलग्न: यथोपरी

प्रतिलिपी:

1. प्रादेशिक अधिकारी, महाराष्ट्र प्रदूषण नियंत्रण बोर्ड, उद्योग भवन, प्रथम तल, रेलवे स्टेशन रोड चंद्रपुर 442401
2. क्षेत्रीय महाप्रबंधक, वेकोलि, चंद्रपुर क्षेत्र
3. महाप्रबंधक (पर्यावरण), वेकोलि-मुख्यालय, नागपुर
4. ऑफिस कॉपी



**WESTERN COALFIELDS LIMITED**  
**CHANDRAPUR AREA**



**E. M. P. COMPLIANCE REPORT**

( AS ON - 01.04.2024 )

**PADMAPUR OPENCAST MINE**

( AN ISO - 9001 : 2008 & 14001 : 2004 UNIT )

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**ANNEXURES**

- I. Copy of Environmental Clearance No. : J -11015 / 258 / 2008 .IA. II (M), Dated - 14.07.09.
- II. Environmental Clearance Details.
- III. Copy of Consent to Operate from Maharashtra Pollution Control Board,  
No. : Format1.0/CAC/UAN No. MPCB-CONSENT-0000166450/CR/2110000540 Dated 08.10.2023 &  
Consent Renewal Application.
- IV. Environmental Monitoring Reports October 2023 to March 2024.
- V. Ground Water Monitoring Report.
- vi. Environment Audit(Statement) Form-V

**PADMAPUR OPENCAST MINE ( AN ISO - 9001 : 2008 & 14001 - 2004 UNIT )**

**PRESENT STATUS OF PROJECT WORK**

**PART - I**

Name of the Project	<b>PADMAPUR OPENCAST EXPANSION MINE</b>
Location	At & P. O. - Padmapur, Tahsil - Chandrapur, District – CHANDRAPUR, Maharashtra State.
Address for Correspondence	Dy. G. M. ( Mining ) / Sub Area Manager, Padmapur Opencast Mine, P. O. : Padmapur, Distt. - CHANDRAPUR ( M. S. ) PIN - 442 404.
MoEF's Clearance No. & Date	J -11015 / 258 / 2008.IA. II (M), Dated - 14.07.09.
Period of Status Report	01.10.2023 To 31.03.2024.
Date of Submission of Last Report	27/11/2022
Year of Commencement of Project work	1985.

**STATUS OF LAND ACQUISITION As On 01.04.2024**

TYPE OF LAND	REQUIRED AS PER EMP ( In Hectares )	ACTUAL AREA ACQUIRED ( In Hectares )
FOREST LAND	64.20	64.20
GRAZING LAND	61.37	61.37
AGRICULTURAL LAND	608.01	608.01
<b>TOTAL</b>	<b>733.58</b>	<b>733.58</b>

**PRESENT STATUS OF LAND USE PATTERN As On 01.04.2024 ( All Figures in HECTARES )**

S. No.	PARTICULARS	01.04.2023 To 31.03.2024			PROGRESSIVE		
		Sector - III	Sector – IV	TOTAL	Sector - III	Sector - IV	TOTAL
1	Quarry Area Excavated	NIL	NIL	NIL	55.508	117.143	<b>172.651</b>
2	Undisturbed Forest Area	NIL	NIL	NIL	NIL	40.10	<b>40.100</b>
3	Infrastructure	--	--	--	--	--	<b>5.810</b>
4	OB Dumps	--	--	--	--	--	<b>0</b>
a.	External OB Dumps	NIL	NIL	NIL	64.65	171.64	<b>236.29</b>
b.	Back Filling (Within area Excavated)	<b>NIL</b>	NIL	NIL	32.74	20.220	<b>52.96</b>
5	Rationalisation Area ( Including Land for Future Mining )	--	--	--	--	--	<b>311.699</b>
						<b>TOTAL</b>	<b>816.21</b>

**PADMAPUR OPENCAST MINE ( AN ISO - 9001 : 2008 & 14001 - 2004 UNIT )**

**STATUS OF LEGAL COMPLIANCE**

A.	Consent under Water ( Prevention & Control of Pollution ) Act	Consent to Operate under Air & Water Act obtained from MPCB Vide Format1.0/CAC/UAN No. MPCB-CONSENT-0000166450/CR/2310000540 Dated 08.10.2023, Valid up-to 31.03.2024. Consent applied for renewal vide UAN No. MPCB-CONSENT-0000204136 dtd. 24.03.2024
B.	Consent Fees under Water ( Prevention & Control of Pollution ) Act	Water Cess paid Up-to Dec- 2015. No Demand received thereafter from MPCB. However, water cess has been abolished since 30 <sup>th</sup> June vide office order no E -18/2018 dtd: 07.02.2018.
C.	Environment ( Protection Act )	Environment Statement for the Year 2022 - 2023 Submitted online on MPCB Portal vide UAN No. MPCB ENVIRONMENT STATEMENT 0000060937 dtd: 29.09.2023. The project has been recommended for an Environmental Clearance by MOEF for 2.50 Million Te. / Year Vide Ref. No. : J - 11015 / 258 / 2008 / IA II (M), Dated : 14.07.2009. Environmental Consent To Operate at 2.50 Million Te. / Year Issued By MPCB Vide L. No. : Format1.0/CAC/UAN No. MPCB-CONSENT-0000166450/CR/2310000540 Dated 08.10.2023, Valid up-to 31.03.2024.
D.	Forest ( Conservation ) Act	Forest Land of <b>64.20</b> Ha acquired under Forest Conservation Act. Details have been given in Data Sheet.

**PADMAPUR OPENCAST MINE ( AN ISO - 9001 : 2008 & 14001 - 2004 UNIT )**

**PART - II**

<b>AIR POLLUTION CONTROL : STATUS OF ENVIRONMENT</b>		
A.	No. of Ambient Air Monitoring Stations	04 Nos. ( Fortnightly )
B.	* Details of Locations	Location code
1	Manager's Office	CPOA – 1
2	Filter plant DOC/POC	CPOA – 2
3	Kitadi Village	CPOA – 3
4	Sector – III	CPOA – 4
C.	** Ambient Air Quality Status for the Parameters prescribed by State Pollution Control Board.	4 Stations + 2 Fugitive Dust Monitoring Stations.
	A <sub>1</sub> CHOA -1	At present at POCP, the monitoring results at 4 stations + 2 fugitive stations mentioned above during <b>October-2023 to March-2024</b> reports are enclosed herewith.
	A <sub>2</sub> : CHOA – 2	
	A <sub>3</sub> : CHOA – 3	
	A <sub>4</sub> : CHOA – 4	

\* Location of the Sampling Stations have been delineated on the Working Mine Plan Enclosed.

\*\* Detailed Report of Sampling & Analysis of Ambient Air Quality as per the Statute of Standard & Approved Laboratory : CMPDIL'S Reports for **October-2022 to March-2023** are Enclosed.

<b>WATER POLLUTION CONTROL : STATUS OF ENVIRONMENT</b>		
A.	No. of Stations & Frequency of Monitoring	03 ( Fortnightly ) at present 3 stations are monitored
B.	*Description of Locations	
	CPOW-1	Mine Discharge : Sector – IV
	CPOW-2	Mine Discharge : Sector – III
	CPOW-3	Workshop ETP - Treated Water
C.	Average Concentrations of Major Pollutants prescribed by State Pollution control Board	From the analysis report it can be seen that all the parameters are well within the Permissible Limits.

Environmental Monitoring Reports for **October-2023 to March-2024** are enclosed herewith.

<b>NOISE POLLUTION CONTROL : STATUS OF ENVIRONMENT</b>		
A.	<b>No. of Noise Monitoring Stations</b>	<b>02</b>
B.	* Description of Locations & dB (A) Value	CPON : 1 - CHP & CPON : 2 - Durgapur Colony
C.	** Average Concentrations of Major Pollutants prescribed by State Pollution control Board	From the analysis report it can be seen that all the Parameters are well within the Permissible Limits.

\* Location Points have been delineated on the Working Mine Plan : ENCLOSED.

\*\* Detailed Reports of Noise Monitoring as per the Statute to be Enclosed : ENCLOSED.

Reports for **October-2023 to March-2024** are enclosed.

**PADMAPUR OPENCAST MINE ( AN ISO - 9001 : 2008 & 14001 - 2004 UNIT )**

**PART - III**

**STATUS OF IMPLEMENTATION OF PROVISIONS OF EMP AS ON 01.04.2024**

S. No.	PARTICULARS	Current Year 01.04.2023 To 31.03.2024			PROGRESSIVE		
		Sec.- III	Sec.- IV	TOTAL	Sec.- III	Sec.- IV	TOTAL
1.	Area Excavated (Hectares)	NIL	NIL	NIL	NIL	NIL	178.751
2.	Top Soil Removed (MM <sup>3</sup> )	NIL	NIL	NIL	NIL	NIL	1.202
3.	Overburden Removed (MM <sup>3</sup> )	NIL	NIL	NIL	NIL	NIL	89.07
4.	Overburden Back-filled (MM <sup>3</sup> )	NIL	NIL	NIL	NIL	NIL	24.211
5.	Overburden Dumped (MM <sup>3</sup> )	NIL	NIL	NIL	NIL	NIL	66.45
6.	Area Recovered under back filled (Hectares)	NIL	NIL	NIL	NIL	NIL	52.667
7.	Area Reclaimed Biologically (Hectares)	NIL	NIL	NIL	NIL	NIL	12.40
8.	<p>ANNUAL PRODUCTION :                      ( Coal in Million Te. &amp; OBR in Million M<sup>3</sup> )                      Targeted Capacity : <b>2.50 Million Tonnes / Year.</b>                      Present Capacity : <b>2.50 Million Tonnes / Year.</b>                      (Permission for Enhancement in Production to 2.50 MT / Year Recommended Vide Ref. No. : J - 11015 / 258 / 2008 / IA II (M), Dated : 14.07.2009                      &amp;                      MPCB Consent No.:Format1.0/CAC/UAN No. MPCB-CONSENT-0000166450/CR/2310000540 Dated 08.10.2023, Valid up-to 31.03.2024. Consent applied for renewal vide UAN No. MPCB-CONSENT-0000204136 dtd. 24.03.2024</p>				<p>COAL PRODUCTION &amp; OB REMOVAL FOR PERIOD FROM <b>01.04.2023. to 31.03.2024</b></p> <p><b>COAL</b>                      SECTOR - III : NIL                      SECTOR - IV : <b>0.00 Te.</b></p> <p><b>TOTAL : 0.00 Te</b></p> <p><b>OVERBURDEN</b>                      SECTOR - III : NIL                      SECTOR - IV : <b>0.00 M<sup>3</sup></b></p> <p><b>TOTAL 0.00 M<sup>3</sup></b></p>		



**PADMAPUR OPENCAST MINE ( AN ISO - 9001 : 2008 & 14001 - 2004 UNIT )**

**AFFORESTATION ( Nos. )**

S. No.	LOCATION	Current Year	Progressive
1.	External OB Dumps	--	382175
2.	Embankments	--	65000
3.	Safety Zone	--	--
4.	Backfilled Areas	--	15000
5.	Other Areas	--	435855
	<b>TOTAL</b>	--	<b>833030</b>
Area under plantation ( Progressive )		--	217.8 Ha.
No. of species per Hectare		2500	
Species planted		Acasia, Shivan, Mango, Jamun, Teak, Bamboo, Gulmohar, Karanji, Sishoo, Behada, Neem etc.	

**REHABILITATION & RESETTLEMENT**

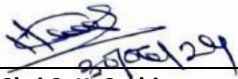
The Actual position as on **01.04.2024** is as follows.

**1. COMPENSATION FOR LAND ACQUIRED**

- a. Land has been acquired from 381 members of families & all have been paid Land Compensation.
- b. Out of these 381 families, employment has been provided to 293 nominees eligible as per Company norms.

**2. COMPENSATION FOR HOUSES ACQUIRED**

- a. A total 648 families have been affected due to acquisition of houses.
- b. Out of these 638 families have vacated their houses & have been paid Rs. 5.42 Lakhs compensation.
- c. Balance 10 families have also vacated their houses.
- d. Budget Provision to make the due compensation to balance 10 families still exists.

Organisation Set Up At Project Level ( Name & Designation Of The Personnel To Be Given )	 <b>Shri S. K. Sethi.</b> Sub Area Manager/Agent Padmapur Opencast Mine of Padmapur Sub Area.
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**PADMAPUR OPENCAST MINE ( AN ISO - 9001 : 2008 & 14001 - 2004 UNIT )**

**EXPENDITURE : CAPITAL**

**EXPENDITURE ON POLLUTION CONTROL MEASURES AT PADMAPUR OCM As On 01.04.2024**

**I AIR POLLUTION**

**A) BLACK TOPPING OF ROADS / RCC PAVEMENT AT WEIGH BRIDGE**

S.No.	HEAD	Amount ( in Lakh ` )
1	Black Topping of road from Check Post to Outer Check post ( 650 Metres )	20.83
2	RCC Pavement at Weigh Bridge	19.73
3	Black Topping of road near weigh bridge	6.50
4	RCC Pavement near Weigh Bridge	29.992
5	Black Topping of DOC/POC Haul Road / Coal Transportation Road ( 1.75 kms. )	26.67
6	Black Topping of approach road to crusher	6.540
7	Re-Surfacing / Strengthening of Coal Transportation Roads	115.586
8	Approach Road to Sector – III	61.53
	<b>TOTAL</b>	<b>287.378</b>

**B) MIST SPRAY SYSTEM / FIXED SPRINKLERS INSTALLED / MOBILE TANKERS As On 01.04.2024.**

S.No.	HEAD	Amount ( in Lakh ` )
1	Mist Sprinklers in CHP	12.90
2	Fixed sprinklers at Coal Stock Yard	11.43
3	Mobile Tanker ( 28 K. L. )	56.00
4	Fixed sprinklers at CHP Ground level	0.30
5	Shifting of sprinklers to New Coal Stockyard	3.31
6	Fixed Sprinklers at Workshop	2.50
7	Fixed Sprinklers along Coal Transport Road at Sector – IV	4.00
8	Providing Sprinklers for Coal Stockyard at Sector – III	9.02
9	Water Spray System for Coal Crusher at New CHP	3.50
10	Water Sprinkling Arrangement From SAM Office To Tadoba Road ( Diversion Point ) Junction.	0.59
11	Fixed Sprinklers along Coal Transport Road at Sector – IV	16.00
	<b>TOTAL</b>	<b>119.55</b>

**C) G. I. SHEET CLADDING OF COAL HANDLING PLANTS As On 01.04.2024.**

S.No.	HEAD	Amount ( in Lakh ` )
1	Side Cladding of CHP	50.89
2	Balance Portion of Side Cladding of CHP	17.29
3	Side Cladding of Coal Crusher at New CHP	9.05
	<b>SUBTOTAL</b>	<b>77.23</b>
	<b>SUB TOTAL (I) ( A+B+C )</b>	<b>484.158</b>


**PADMAPUR OPENCAST MINE ( AN ISO - 9001 : 2008 & 14001 - 2004 UNIT )**


**II WATER POLLUTION CONTROL MEASURES As On 01.04.2024.**

S.No.	HEAD	Amount ( in Lakh ` )
1	Construction of Workshop Effluent Treatment Plant	14.00
2	Construction of sedimentation pond for Mine Water Discharge at Sector – IV	5.00
3	Land fill Arrangement for ETP Sludge	2.60
4	Disposal of Hazardous Waste	11.66
5	Oil Skimmer	5.00
6	Augmentation of Sedimentation Tank At Sector – IV	6.13
7	Making settling tank at sector –lv	9.43
	<b>SUB TOTAL ( II )</b>	<b>53.82</b>
	<b>GRAND TOTAL ( CAPITAL EXPENDITURE ) ( I + II )</b>	<b>537.978</b>

**EXPENDITURE : REVENUE ( In Lakh ` )**

ACCOUNT HEAD	CURRENT YEAR 01.04.2023 To 31.03.2024	PROGRESSIVE
Plantation	0.00	400.86
Air Pollution Control ( Including O & M of Mobile Tankers )	0.00	559.96
Water Pollution Control ( O & M of ETP, Sedimentation Pond )	0.00	85.96
Monitoring	0.00	94.57
Legal Expenses ( Consent Fees )	13.76	179.00
Environmental Audit + Water Cess + Ground water abstraction charges	0.00	258.20
OTHERS		
a. JVs by MPCB	0.00	10.684
b. Other Environmental Works	0.00	53.99
<b>TOTAL</b>	<b>13.76</b>	<b>1643.22</b>

  
 Area Nodal Officer ( Environment ),  
 WCL-Chandrapur Area.

  
 Sub Area Manager,  
 Padmapur Opencast Mine.

**PADMAPUR OPENCAST MINE ( AN ISO - 9001 : 2008 & 14001 - 2004 UNIT )**

**PART – IV**

**Project** : PADMAPUR OPENCAST EXPANSION PROJECT  
**Environmental Clearance** : FOR COAL PRODUCTION CAPACITY OF 2.50 M Te. / Yr.  
**Ref.** : J - 11015 / 258 / 2008 / IA II (M), Dated: 14.07.2009  
**Compliance Report** : 01.04.2023 to 31.03.2024

**COMPLIANCE REPORT AGAINST ENVIRONMENTAL CLEARANCE**

**A. SPECIFIC CONDITIONS**

<b>S. No.</b>	<b>ENVIRONMENTAL CLARANCE CONDITIONS / DETAILS</b>	<b>COMPLIANCE</b>
i.	Top Soil, if any shall be stacked properly with proper slope at earmarked site(s) and shall be kept active and shall be used within One Year of the generation for reclamation and development of green Belt.	Top soil Excavated has already been used for carpeting dead OB Dumps viz; 3, 4, 5, & 6 which have been shown in the enclosed plan. All these OB Dumps have been biologically reclaimed & vegetation grown has become self sustaining. At present top soil is being concurrently sprayed over dump 8.
ii.	Of the Total 42.084 M.M <sup>3</sup> of Overburden generated over the Balance Life of the Mine, 18.60 M.M <sup>3</sup> of the OB would be stored in the Balance Area of 44.097 Hectares in ex OB Dump Area of 206.387 Hectares, which shall be Biologically Reclaimed using a Mix of Native Species. The Ultimate Slope of the Active Dumps shall not exceed 28 <sup>o</sup> . Monitoring & Management of reclaimed Dump Sites shall continue until the vegetation in all the dumps becomes self-sustaining. Compliance Status shall be submitted to the Ministry of Environment & Forests and its Regional Office located at Bhopal on Yearly Basis.	<b>FOR THE PERIOD FROM 01.04.2023 To 31.03.2024</b>  <b>EXTERNAL OB DUMP. QUANTITY. : NIL AREA : NIL</b>  <b>BACKFILLING QUANTITY. : 0.00 M. M<sup>3</sup> AREA : 0.00 Ha</b>  Active Dump Slopes Being Maintained As Per Norms.  The Area & Quantity against Backfilling & External Dumps are measured Quarterly, with records thereof being maintained in a Bound Paged Book.

**PADMAPUR OPENCAST MINE ( AN ISO - 9001 : 2008 & 14001 - 2004 UNIT )**

S. No.	ENVIRONMENTAL CLARANCE CONDITIONS / DETAILS	COMPLIANCE
iii.	<p>Catch Drains and Siltation Ponds of appropriate sizes shall be constructed to arrest silt and sediments flows from Soil, OB &amp; Mineral Dumps. The water so collected shall be utilized for watering the Mine Are, Roads, Green Belt Development etc. The Drains shall be regularly de-silted and maintained properly.</p> <p>The Garland Drains ( Size, Gradient &amp; Length ) and Sump Capacity shall be designed keeping 50% Safety Margin over and above the peak sudden rainfall and maximum discharge adjoining the Mine Site. Sump Capacity shall also provide adequate retention period to allow proper settling of Silt Material.</p>	<p>Catch drain ( 2 mtr x 2mtr )around OB Dump with length of 1650 m has been constructed for arresting silt / flows from OB Dump. Similarly sedimentation pond ( 26 mtr x 16.50 mtr x 2.40 mtr ) for arresting sediments coming with mine pumped out water has also been put into operation. The pumped out water is made to pass through the sedimentation pond &amp; clear water is used for watering plants, roads.</p> <p>Garland drain having length of 700 m around Sector-III quarry has already been constructed. The catch drain mentioned above serves the purpose of garland drains for external OB Dumps.</p>
iv.	<p>The Dimensions of the Retaining Wall at the Toe of the Dumps and at Benches within the mine. Check Run-Off and Siltation shall be based on the Rainfall Data.</p>	<p>As indicated above, the run –off from the OB Dumps are collected in the catch drains made around the periphery of the dumps &amp; run off from OB Benches is collected in garland drains around quarry which caters to peak rainfall &amp; as such construction of retaining wall at the toe of the dumps &amp; OB benches is not required.</p>
v.	<p>Drills shall be Wet Operated Only.</p>	<p>Mine is discontinued.</p>
vi.	<p>Controlled Blasting shall be practiced with use of Delay Detonators. The Mitigating Measures for control of Ground Vibrations and to arrest the Fly Rocks and Boulders shall be implemented.</p>	<p>Mine is discontinued.</p>

**PADMAPUR OPENCAST MINE ( AN ISO - 9001 : 2008 & 14001 - 2004 UNIT )**

S. No.	ENVIRONMENTAL CLARANCE CONDITIONS / DETAILS	COMPLIANCE
vii.	Water Sprinkling System ( Mist Spray Type ) to check Fugitive Emissions from Crushing Operations, Conveyor System / Rope-way, Haulage Roads, Transfer Points etc. shall be installed and operated effectively at all times of operations.	All Working Places are being water sprinkled daily. 36 nos . mist sprays perforations is provided in CHP to control dust emission. 15 nos. of sprinkler provided on coal transportation road and spraying of water through mobile water (departmentally) done daily over Haul roads and Coal Transportation Road. 2 Nos of Mobile water tanker deployed.
viii.	An Area not less than 290.472 Hectares shall be brought under Afforestation, which includes Reclaimed External OB Dumps ( 162.290 Hectares ), Back-filled Area ( 93.862 Hectares ) along the Mine Lease Boundary, along Roads & Infrastructure, Embankment, Green Belt, Danger Zone and Area for rationalization area within the Lease and within the Township by planting native species in consultation with the local DFO / Agriculture Department. The density of the trees shall be around 2500 Plants / Hectare.	OB Dump excavated from the quarry area has been dumped on the surface & the locations of the dumps have been shown in enclosed plan.  Total of 833030.00 no of plantation done on 217.8 Ha of land. Out of this 6.00 Ha Plantation has been done in backfilled area and rest plantation done on OB dumps along road and infrastructure, Embankment etc. Species planted includes Peltafarm, Gulmohar, Karanj, Shisoo, Neem, Acacia, Mango etc.

**PADMAPUR OPENCAST MINE ( AN ISO - 9001 : 2008 & 14001 - 2004 UNIT )**

S. No.	ENVIRONMENTAL CLARANCE CONDITIONS / DETAILS	COMPLIANCE										
ix.	A Progressive Mine Closure Plan shall be implemented for management of Quarry Area of 147.100 Hectares, out of which 93.862 Hectares shall be back-filled and maintained by Planting native species, in consultation with the local DFO / Agriculture Department. The density of the trees shall be around 2500 Plants per Hectare. The Balance 53.238 Hectares of the De-Coaled land, which is 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 Reservoir shall be fenced.	<p>Progressive Mine Closure activities are carried out on regular basis. Backfilled quantity for last five years is as follows:</p> <table border="1" data-bbox="1054 412 1460 584"> <tr> <td>2017-18</td> <td>0.300</td> </tr> <tr> <td>2018-19</td> <td>2.784</td> </tr> <tr> <td>2019-20</td> <td>2.567</td> </tr> <tr> <td>2020-21</td> <td>2.392</td> </tr> <tr> <td>2021-22</td> <td>1.138</td> </tr> </table> <p>The de-coaled void which is to be converted into a water reservoir would be carried out at the closure of mine. Presently the mine is active and working.</p>	2017-18	0.300	2018-19	2.784	2019-20	2.567	2020-21	2.392	2021-22	1.138
2017-18	0.300											
2018-19	2.784											
2019-20	2.567											
2020-21	2.392											
2021-22	1.138											
x.	The Company shall not use Groundwater for the Mining Operations.	No groundwater is used for mining										
xi.	ETP of Adequate Capacity for the expansion project shall also be provided for workshop and CHP wastewater.	ETP of capacity 150 KLPD already Provided & being maintained in Proper working order.										
xii.	Besides carrying out regular periodic health check of the workers, 10% of the manpower identified from the workforce engaged in active mining operations shall be subjected for Check Up of Occupational Diseases and Hearing Impairments, if any at NIOH Ahmadabad and the relevant reports shall be sent to the DGMS.	Being Complied.										
xiii.	A Final Mine Closure Plan along with the details of Corpus Fund shall be submitted to the Ministry of Environment and Forests and its Regional office at Bhopal.	<p>Mine closure Plan has been approved by Board on 06.02.2014 and Escrow account was opened. Details of A/C are as follows: A/c No. 8973161003314 New A/c No. 0897107600001568 Amount: Rs 99,52,53,642.82 (as on 31.03.2024)</p> <p>However Final Mine Closure is not envisaged at present. Moreover the present quarry limit is likely to extend further in the dip side resulting in further increase in life of mine.</p>										
xiv.	For monitoring Land Use Pattern and for Post Mining Land Use, a time series of Land Use Maps based on satellite imagery ( On 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 Three Years ( For any one particular season, which is consistent in the time series ) and the report submitted to the MoEF and its Regional office at Bhopal.	Land is regularly monitored annually by satellite and the report is uploaded on the WCL website. Last report of 2020 is available on WCL website.										

**B. GENERAL CONDITIONS**

<b>S. No.</b>	<b>ENVIRONMENTAL CLARANCE CONDITIONS / DETAILS</b>	<b>COMPLIANCE</b>
i.	No Change in Mining Technology and scope of working shall be made without the prior approval of the Ministry of Environment and Forests.	Mining is opencast by mechanized method involving shovel dumper as per approved given in FC.
ii.	No Change in the Calendar Plan including Excavation, Quantum of Mineral Coal and Waste shall be made.	NOTED
iii.	Four Ambient Air Quality Monitoring Stations shall be established in the core zone as well as in the buffer zone for RPM, SPM, SO <sub>2</sub> , NO <sub>x</sub> & CO monitoring. Location of the stations should be decided based on the meteorological data, topographical features, and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board.  In addition, Heavy Metals, such as Hg, Pb, Cr, As etc. from the SPM / RSPM shall be monitored at least twice in a year. The Data thereof shall be recorded properly.	There are four numbers of ambient air Monitoring stations already established, namely: a. Manager Office, Quarry IV - Core zone. b. Warwat Village. c. Kitadi Village - Buffer zone. d. Vichoda Rayatwari Village.  These stations have been established as per meteorological data & in consultation with MPCB. The Ambient Air Quality monitored at these stations is as per the Environment Protection ( Amendment ) Rules - 2000.
iv.	Water Spraying Arrangements on Haul Roads, Wagon Loading, Dump Trucks, Loading & Unloading Points shall be provided and properly maintained.	BEING PROVIDED & MAINTAINED AT ALL THE WORKING PLACES as 36 nos. mist sprays is provided in CHP to control dust emission. 15 nos. of sprinkler provided in coal transportation road and spraying of water through mobile water departmentally) is done on regular basis. 2 no. of Mobile tankers deployed.
v.	Data on ambient air quality (RPM, RSPM, SO <sub>2</sub> , NO <sub>x</sub> , CO) shall be regularly submitted to the Ministry including its regional office at Bhopal and the States Pollution Control Board / Central Pollution Control Board once in six months.	The data on ambient air quality are regularly submitted to MPCB & MOEF, Regional Office- Bhopal on Quarterly basis. Report for <b>October-2023 to March-2024</b> are enclosed.



**PADMAPUR OPENCAST MINE ( AN ISO - 9001 : 2008 & 14001 - 2004 UNIT )**


S. No.	ENVIRONMENTAL CLARANCE CONDITIONS / DETAILS	COMPLIANCE
vi.	Adequate measures shall be taken for control of noise level below 85 dBA in the work environment. Workers engaged in blasting and Drilling Operations, Operations of HEMM etc. should be provided with ear plugs / muffs.	In order to control excessive noise during operations regular maintenance of all HEMM as well as supply of protective gears namely, Ear plugs & muffs are carried out. In addition, regular monitoring on every fortnight is being done as per environment protection amendment rule 2000 & data recorded & submitted as quarterly report & the results are within permissible limits.
vii.	Industrial waste water (workshop and waste water from mine) shall be properly collected / treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 May 1993 and 31 <sup>st</sup> December 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.	Workshop ETP of 150 KLPD capacity is in operation with pre-settling tank, drain, oil & grease trap, sedimentation tank & clear water tank. The treated effluent is reused for washing of HEMM & there is no discharge of effluent to outside Nallah. Mine discharge water is made to pass through sedimentation pond before being let to outside Nallah. Regular water quality monitoring is carried out by CMPDIL on behalf of WCL & by MPCB. as per Environment Protection Rules - 2000 of MoEF.
viii.	Vehicular Emissions shall be kept under control and regularly monitored. Vehicles used for transporting the mineral shall be covered with Tarpaulin and optimally loaded.	BEING IMPLEMENTED.

**PADMAPUR OPENCAS T MINE ( AN ISO - 9001 : 2008 & 14001 - 2004 UNIT )**

S. No.	ENVIRONMENTAL CLARANCE CONDITIONS / DETAILS	COMPLIANCE
ix.	The Environmental Quality Parameters shall be got analyzed from the recognized Environmental Laboratory or shall be established with adequate number and type of Pollution Monitoring and Analysis Equipment in consultation with the State Pollution Control Board.	A full-fledged Environmental Laboratory ( An ISO - 9000 : 2008 Certified ) already exists at CMPDIL Nagpur with qualified multi-disciplinary team of engineers along with adequate number of field staff for carrying out all the environmental monitoring of all WCL projects including this project.
x.	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.	Protective health & safety gears are provided to workmen exposed to dust, namely, Dust mask, Helmets, Safety Boots, and Goggles as per DGMS specifications. The workers are regularly given training on safety & health aspects (Statutory requirement under mines act). Approx. 223 workers of Padmapur OCP are sent for Periodical Medical Examination every year under Health Surveillance Programme. The same is repeated every 5 years.
xi.	A separate environmental management cell with suitable qualified personnel shall be set up under the control of Executive, who will report directly to the head of the organization.	At project level, Environmental management cell is headed by Sub Area Manager & is assisted directly by Project Nodal Officer ( ENV ) / Sr. Manager ( Civil ). At Area level, General Manager ( Operation ) heads the cell assisted by Area Nodal Officer (ENV). At WCL HQ / Corporate level the General Manager( Environment ) heads the environment department assisted by multi disciplinary team of qualified & trained engineers.
xii.	The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purposes. Year wise expenditure should be reported to the ministry and its regional office located at Bhopal.	The funds earmarked for environmental protection measures are kept separate & are not used for any other purpose. The expenditure under capital head till date & under revenue head for current year as well as progressive has been given earlier in this report. ( Part - III )

**PADMAPUR OPENCAST MINE ( AN ISO - 9001 : 2008 & 14001 - 2004 UNIT )**

S. No.	ENVIRONMENTAL CLARANCE CONDITIONS / DETAILS	COMPLIANCE
xiii.	The regional office of this ministry located at Bhopal shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the Regional office by furnishing the requisite data /information/ monitoring reports.	Full co-operation from project authorities will be extended to officers of Environment Ministry, Bhopal, by furnishing the Requisite Data / Information / Monitoring Reports.
xiv.	A copy of clearance letter will be marked to concerned panchayat / local NGO, if any, from whom any suggestion / representation has been received while processing the proposal.	A copy of clearance letter is submitted to Sarpanch of Padmapur Gram Panchayat vide Letter No. WCL / CHA / CGM / ENV / 1051 / 1773, Dated : 02.08.2009.
xv.	State Pollution Control Board shall display a copy of the clearance letter at the regional office, district industry centre and Collector Office / Tahsildar's office for 30 days.	EC submitted to S.R.O., MPCB, vide Letter No. : WCL / CHA / CGM / ANO / ENV / 1050 / 4589, Dated : 03.08.2009.
xvi.	<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, informing that the project has been accorded Environmental Clearance &amp; a copy of the clearance letter is available with the state pollution control board and may also be seen at website of the Ministry of Environment &amp; Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a>.</p> <p>The Compliance Status of Environmental Clearance Conditions shall also be uploaded by the Project Authorities in their websites so as to bring the same in public domain. The Monitoring Data ( Air, Water, Noise &amp; Soil ) shall also be displayed at the entrance of the Project Premises and Mine's Office and in Corporate Office and also be uploaded in the Website.</p>	<p>** Advertisement displayed in two Regional / Local newspapers namely "THE HITAVADA," English, Dated : 22.07.2009 and "HINDI / MARATHI MAHAVIDARBHA", Dated : 22.07.2009,</p> <p>Compliance status of FC Conditions is regularly submitted to MOeF &amp; CC offices and uploaded on the WCL website. Monitoring data as obtained by CMPDIL is regularly being displayed at Sam office.</p>

  
 Area Nodal Officer ( Environment )  
 WCL-Chandrapur Area.

  
 Sub Area Manager  
 Padmapur Opencast Mine.

**PADMAPUR OPENCAST MINE ( AN ISO - 9001 : 2008 & 14001 - 2004 UNIT )**

**MONITORING THE IMPLEMENTATION OF ENVIRONMENTAL SAFEGUARDS  
MINISTRY OF ENVIRONMENT & FORESTS-REGIONAL OFFICE ( W),BHOPAL.**

**MONITORING REPORT**

**DATA SHEET**

**DATE : 01.04.2024 .**


1.	PROJECT TYPE RIVER/ VALLEY / <b>MINING</b> / INDUSTRY / THERMAL / NUCLEAR / OTHER ( SPECIFY )	MINING
2.	NAME OF THE PROJECT	PADMAPUR EXPANSION OPENCAST PROJECT
3.	CLEARANCE LETTER (S) / OM No. & DATE	J - 11015 / 258 / 2008 - IA. II (M), Dated : 14.07.2009, by Addl. Director, MoEF, New Delhi ( This supersedes all clearances granted earlier )
4.	LOCATION	CHANDRAPUR
	District	CHANDRAPUR
	State	MAHARASHTRA
	Latitude	<b>20 °- 01'- 00 '' to 20°- 03'- 00'' (N)</b>
	Longitude	<b>79° - 17' - 00 '' to 79° -19' - 30'' (E)</b>
5.	ADDRESS FOR CORRESPONDENCE	
	a. ADDRESS OF CONCERNED PROJECT CHIEF ENGINEER ( With Pin Code & Telephone / Telex / FAX )	GENERAL MANAGER, WESTERN COALFIELDS LIMITED, CHANDRAPUR AREA, P.O. - BABUPETH, DISTT. : CHANDRAPUR ( M.S. ) PIN - 442 403
	Telephone	07172 - 253322..23..24..25 / 256715
	FAX	07172 - 255287
	b. ADDRESS OF CONCERNED PROJECT ENGINEER / MANAGER ( With Pin Code & Telephone / Telex / FAX )	G. M. ( Mining ) / SUB AREA MANAGER, PADMAPUR EXPANSION OPENCAST PROJECT, WESTERN COALFIELDS LIMITED, P.O. - PADMAPUR, DISTT. - CHANDRAPUR, ( M. S. ) – 442 404.
	Telephone	07172 – 220362/220363
	FAX	07172 – 220634
6.	SALIENT FEATURES	
	a. Of the Project	Enclosed as <b>ANNEXURE “A”</b>
	b. Of the Environmental management Plans	Enclosed as <b>ANNEXURE “B”</b>
7.	** BREAK UP OF THE PROJECT AREA	733.58 Hectares, <b>As on 01.04.2024</b>
	a. Submergence Area : Forest & Non Forest	Not Applicable
	b. others	Forest Land : 64.20 Ha.
		Grazing Land : 61.37 Ha.
		Agricultural Land : 608.01 Ha.
		<b>T O T A L : 733.58 Hectares</b>

**PADMAPUR OPENCAST MINE ( AN ISO - 9001 : 2008 & 14001 - 2004 UNIT )**

8.	BREAK UP OF THE PROJECT AFFECTED POPULATION WITH ENUMERATION OF THOSE LOSING HOUSES / DWELLING UNITS ONLY, AGRICULTURAL LAND ONLY, BOTH DWELLING UNITS & AGRICULTURAL LAND & LANDLESS LABOURERS / ARTISAN	381 Land only & 648 Homestead only.
	a. SC , ST/ ADIWASI	600 ( Including SC )
	b. Others	2640
	Please indicate whether these figures are based on any scientific and systematic survey carried out or only provision figures, if as survey is carried out give details and years of Survey )	As per Latest Available Record.
9.	<b>** FINANCIAL DETAILS</b>	
	a. Project cost as originally planned and subsequent revised estimates and year of price reference	Rs. 66.88 Crores
	b. Allocation made for Environmental Management Plans with item wise and year wise break-up	Rs. 7.81 Crores provision Details enclosed as Annexure - B.
	c. Benefit Cost Ratio / Internal Rate of Return and the year of Assessment	--
	d. Whether 'c' includes the cost of environmental management as shown in the above	--
	e. Actual expenditure incurred on the Project so far	191.48 Crores ( As on 01.04.2024 )
	f. Actual expenditure incurred on the environmental management plans	Capital Rs. 541.668 Lakhs & Progressive Revenue Expenditure of Rs. 1629.464 Lakhs As On 01.10.2022.
10.	<b>FOREST LAND REQUIREMENT</b>	
	a. The status of approval for diversion of forest land for non-forestry Sanction	Forest Land Acquired Vide Sanction No. F. No. 8 - 39 / 85 - FC, Dated : 08.10.1998 & Sanction No. 8 - 7 / 91 - FC, Dated : 16.10.1998.
	b. The status of clearing felling	NOT APPLICABLE
	c. The status of compensatory Afforestation, if any	Rs. 35.017 Lakhs, paid on 24.05.92 towards fencing & regeneration of Safety Zone.
	d. Comments on the viability & sustainability of Compensatory A forestation Programme in the light of Actual Field Experience so far	NOT APPLICABLE
11.	<b>THE STATUS OF CLEAR FELLING IN NON - FOREST AREAS ( SUCH AS RESERVOIR, APPROACH ROADS ), IF ANY WITH QUANTITATIVE INFORMATION</b>	NOT APPLICABLE

**PADMAPUR OPENCAST MINE ( AN ISO - 9001 : 2008 & 14001 - 2004 UNIT )**

12.	STATUS OF CONSTRUCTION	
	a. Date of Commencement ( Actual and / or planned )	MAY - 1985 ( Padmapur Opencast Mine )
	b. Date of Completion ( Actual and /or planned )	Completed.
13.	REASONS FOR THE DELAY IF THE PROJECT IS YET TO START.	NOT APPLICABLE
14.	** DATES OF SITE VISITS	
	a. The dates on which the project was monitored by the Regional Office on previous occasions, if any.	Being Monitored At Regular Interval
	b. Date of site visit for this Monitoring Report	--
15.	DETAILS OF CORRESPONDENCE WITH PROJECT AUTHORITIES FOR OBTAINING ACTION PLANS INFORMATION ON STATUS OF COMPLIANCE TO SAFEGUARDS OTHER THAN THE ROUTINE LETTERS FOR LOGISTIC SUPPORT FOR SITE VISITS)	--
	The first monitoring report may contain the details of all the letters issued so far, but the later reports may cover only the letters issued subsequently.	--

  
 Area Nodal Officer ( Environment )  
 WCL-Chandrapur Area.

  
 Sub Area Manager  
 Padmapur Opencast Mine.

**ANNEXURE "A"**

**SALIENT FEATURES OF THE PROJECT**

1.	Name of Project	:	<b>PADMAPUR OPENCAST EXPANSION PROJECT</b>
2.	Capacity of Project	:	2.50 Million Te. / Year.
3.	Capital Investment	:	Rs. 232.51 Crores (as on 01.04.2024)
4.	** Life of project	:	6 and half year (including Padmapur extension deep project)
5.	Land Required	:	733.58 Ha. ( As per EMP )
6.	Quarry / Excavation Area.	:	170.515 Ha.
7.	No. of Seams / Seam thickness	:	Only one seam thickness 18.00 m
8.	Depth of Working ( Maximum )	:	140.00 M. BGL
9.	Total Coal Reserves	:	13.516 Million Te. (including Padmapur extension deep)
10.	Total Over Burden Cover	:	71.430 M <sup>3</sup>
11.	Stripping Ratio	:	1 : 5.285 ( for balance coal and OB)
12.	Environment Provision Including R & R	:	Rs. 7.81 Crores

**ANNEXURE "B"**

**SALIENT FEATURES OF ENVIRONMENTAL PROTECTION MEASURES**

<b>S. No</b>	<b>ENVIRONMENTAL ISSUES</b>	<b>ALREADY PRACTICED, IF APPLICABLE</b>	<b>PROPOSED</b>
1.	AIR POLLUTION	Green Belt, Water Spraying, Black Topping of Road	To be continued
2	WATER POLLUTION	Sedimentation pond for mine pumped out water and ETP for workshop effluent, DETP	To be continued
3	WATER CONSERVATION	Excess mine water pumped out after treatment is let off into surface drainage system	To be continued
4	NOISE POLLUTION	Plantation around infrastructures, providing protective gears to workmen, proper maintenance of machinery	To be continued
5	SOLID WASTE	Embankment construction, external OB Dump backfilling in de-coaled void	To be continued
6	LAND DEGRADATION	Biological Reclamation	To be continued
7	EROSION & SEDIMENT	Biological Reclamation	To be continued
8	TOP SOIL	By dumping on surface	To be continued
9	GROUND VIBRATION	Controlled Blasting, etc	To be continued
10	WILDLIFE CONSERVATION	Biological Reclamation of Degraded Land and Afforestation on plain vacant land	To be continued
11	FOREST PROTECTION	As specified in approved letter	To be continued
12	OTHERS ( SPECIFY )	Social Welfare / Community Development works already carried out in nearby villages	To be continued



ANNEXURE "B" ( Contd.... )

\*\* COST OF ENVIRONMENTAL PROTECTION MEASURES ( In Lakh ` )

CAPITAL COST

1.	Pollution Control	50.77
2.	Pollution Monitoring	8.00
3.	Green Belt ( Mine & Township )	189.74
4.	Rehabilitation & Resettlement	550.00
	<b>TOTAL</b>	<b>780.76</b>

REVENUE COST

1.	Pollution Monitoring	8.20
2.	Pollution Control	9.18
3.	Others	3.04
	<b>TOTAL</b>	<b>20.42</b>

**PADMAPUR OPENCAST MINE ( AN ISO - 9001 : 2008 & 14001 - 2004 UNIT )**

**WESTERN COALFIELDS LIMITED, CHANDRAPUR AREA**  
**ENVIRONMENT DEPARTMENT**  
**COMPLIANCE TO ENVIRONMENTAL CLEARANCE CONDITIONS**  
**SIX MONTHLY STATUS AS ON 01.04.2023**  
**ENVIRONMENTAL CLEARANCE DETAILS**

1.	NAME OF PROJECT /AREA	:	Padmapur Opencast Expansion Project, W.C.L., Chandrapur Area
2.	LOCATION AND ADDRESS	:	Dy. G. M. ( Mining ) / Sub Area Manager, Padmapur Opencast Expansion Project, P.O. - Padmapur, Dist. Chandrapur ( M. S. ) PIN : 442404.
3.	ORIGINAL PRODUCTION	:	1.25 Million Te. / Year.
4.	EXPANSION PRODUCTION	:	2.50 Million Te. / Year.
5.	TOTAL LEASE AREA	:	733.58 Hectares.
6.	AGRICULTURAL ( TENANCY LAND )	:	608.01 Hectares.
7.	GRAZING LAND	:	61.37 Hectares.
8.	FOREST LAND	:	64.20 Hectares.
9.	CAPITAL COST	:	Rs. 66.88 Crores
10.	a. Original Environmental Clearance For 1.26 Million Te. / Annum Coal Production  b. For Enhanced Production of 2.5 Million Te. / Annum, Including Additional Conditions	:	a. Vide, Letter No. - J - 11015 / 10 / 83 / ENV - 5/ IA-II, Dated : 18.12.1991.  b. vide Letter No. - J -11015 / 258 / 2008 / IA . II (M), Dated - 14.07.2009.
11.	** PUBLIC HEARING CONDUCTED ON	:	--

- Consent to Operate for 2.50 Million Te./Year issued by MPCB vide L. No. : Format1.0/CAC/UAN No. MPCB-CONSENT-0000166450/CR/2310000540 Dated 08.10.2023, Valid up-to 31.03.2024. Consent applied for renewal vide UAN No. MPCB-CONSENT-0000204136 dtd. 24.03.2024 (Copy enclosed).
- Environment Clearance for Expansion for 2.50 Million Te./Year Coal Production vide Letter No. J -11015 / 258 / 2008 / IA . II (M), Dated - 14.07.2009 (Copy Enclosed).