

ମହାନଦୀ କୋଲ ଫିଲ୍ଡସ୍ ଲିମିଟେଡ୍  
महानदी कोलफील्डस लिमिटेड  
Mahanadi Coalfields Limited  
(A subsidiary of Coal India Limited)

OFFICE OF THE PROJECT OFFICER  
LILARI/LAKHANPUR OPENCAST PROJECT  
LAKHANPUR AREA  
PO- UBUDA, VIA- BELPAHAR (768 217)  
DIST-JHARSUGUDA, (ODISHA)  
PH-06645-605900, 06645-605914  
Fax- 06645-233353



**MCL**

Ref.No: MCL/GM/LKPA/AEO/2024-25/ 651 "

Date: 21.05.2024

To

The Additional Principal Chief Conservator of Forests (C),  
Ministry of Environment, Forest and Climate Change, Integrated Regional Office,  
A/3, Chandrasekharpur, Bhubaneswar - 751023

Kind Attention:

Director (S),  
Ministry of Environment, Forest and Climate Change, Integrated Regional Office  
A/3, Chandrasekharpur, Bhubaneswar-751023

**Sub: Half yearly Environmental Clearance compliance report with respect to Lilari Opencast Project, Lakhanpur Area, MCL for the period October 2023 - March 2024.**

Ref:No-J-11015/27/89-IA Dated: 30/07/1990

Dear Sir,

Enclosed herewith please find the Half yearly Environmental Clearance compliance report with respect to Lilari Opencast Project, Lakhanpur Area, MCL for the period October 2024 - March 2024.

Encl: As above

Thanking you

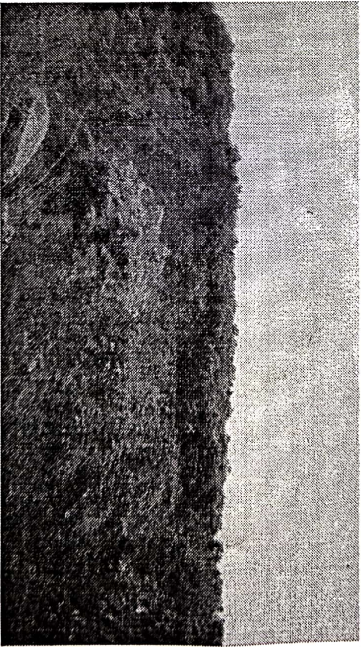
Yours faithfully,

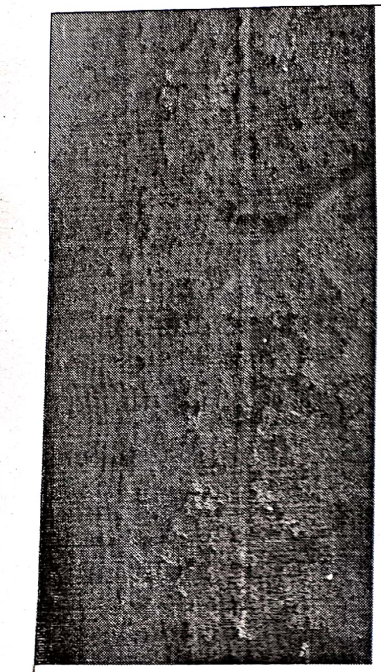

*[Signature]*  
21-05-24  
Project Officer  
GM (Min) / Project Officer  
Integrated LBL OCP  
Lakhanpur Area, MCL

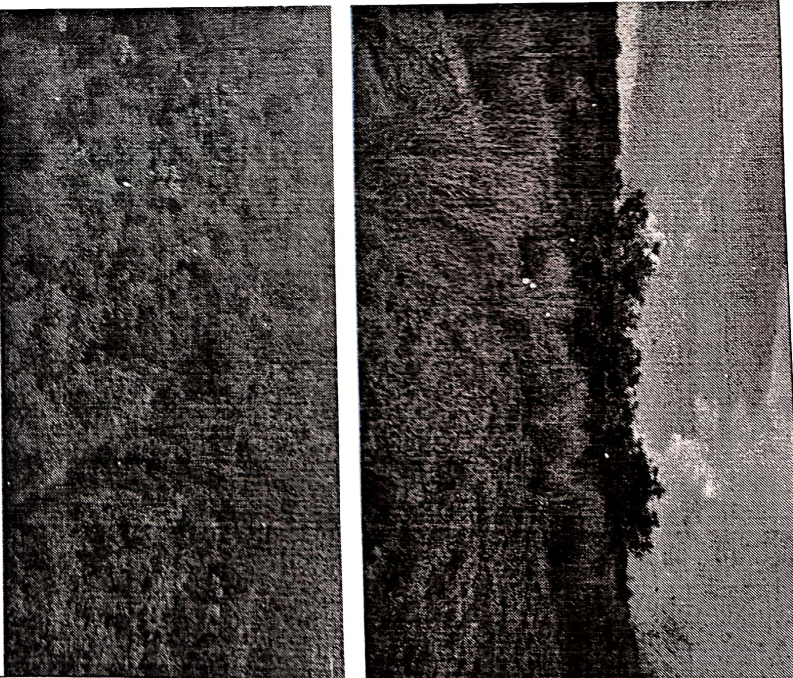
Copy to:

1. Member Secretary, Odisha State Pollution Control Board, Paribesh Bhawan, A/118, Nilakanthanagar, Unit-VIII, Bhubaneswar, Odisha -751012.
2. Regional Officer, Odisha State Pollution Control Board, (Department of Forest & Environment, Govt. of Odisha) Plot No.-370 / 5971, At. -Babubagicha (Cox Colony), St. Mary Hospital Road, Post- Industrial Estate, Jharsuguda - 768203.
3. General Manager, Lakhanpur Area
4. General Manager (Envt. & Forest), MCL HQ.
5. Area Environment Officer, Lakhanpur Area.
6. Office copy



S.No.	Condition	Compliance
1	<p>Step-Pyramid Method would be followed for dumping of over burden outside the mine area to ensure that the reclamation of the dump is carried out simultaneously with the construction of this dump.</p>	<p>The mine has stopped operations since 01.04.2018.External dump covers an area of 25.40 Ha and the entire area of the external dumps have been completely Biologically reclaimed and stabilized with plantation. The mine area is a part of Integrated Lakhampur-Belpahar-Lilari OCP (40MTY) in which the mine areas of Lakhampur OCP, Belpahar OCM and Lilari OCP have been amalgamated since 27.03.2024 for extraction of bottom seams.</p> <p>However, the reclamation of entire area will be carried out as mining plan of Integrated Lakhampur-Belpahar-Lilari OCP (40MTY).</p> 
2	<p>When the mine exhausted coal faces on the dip and the two high walls on the sides (approx. thickness of 29 meters) will be covered with top soil and sub soil to prevent any danger of spontaneous heating and subsequent environment insecurity.</p>	<p>Stepped-Pyramid OB dump stabilized with plantation</p> <p>The mine has stopped operations since 01.04.2018. The entire area is covered with top soil and 26.00 Ha of the excavated area is backfilled and biologically reclaimed. There is no spontaneous heating and environmental insecurity. The mine area is a part of Integrated Lakhampur-Belpahar-Lilari OCP (40MTY) in which the mine areas of Lakhampur OCP, Belpahar OCM and Lilari OCP have been amalgamated since 27.03.2024 for extraction of bottom seams.</p>

	<p style="text-align: center;"><b>Biologically Reclaimed Excavated Area</b></p> <p>The mine has stopped operations since 01.04.2018. The mine area is a part of Integrated Lakhanpur-Belpahar-Lilari OCP (40MTY) in which the mine areas of Lakhanpur OCP, Belpahar OCM and Lilari OCP have been amalgamated since 27.03.2024 for extraction of bottom seams. However, mine sump water is being monitored yearly.</p>	
<p>The mine water quality shall be monitored during the monsoon and these results shall be submitted to the Ministry of Environment and Forests. In case concentration of certain pollutants exceeds the prescribed limits detailed measures for treating the water to bring it within the prescribed limits shall also be outlined. Nitrate content in the water should also be determined.</p>	<p>The mine water quality shall be monitored during the monsoon and these results shall be submitted to the Ministry of Environment and Forests. In case concentration of certain pollutants exceeds the prescribed limits detailed measures for treating the water to bring it within the prescribed limits shall also be outlined. Nitrate content in the water should also be determined.</p>	<p style="text-align: center;"><b>Lilari Mine Sump</b></p> <p>The mine has stopped operations since 01.04.2018. Biological reclamation of the quarried area has been carried out as per EMP. An area of 60.03 Ha has been excavated in which 45.01 Ha has been de-coaled in which 26.00 Ha has been biologically reclaimed the remaining area has been left for mine sump and approach roads. However, the reclamation of entire area will be carried out as mining plan of Integrated Lakhanpur-Belpahar-Lilari OCP (40MTY)</p>
<p>3</p>	<p>4</p>	<p>4</p>

		
5	All other pollution control measures listed in the Environmental Management Plan would be strictly implemented as per schedule.	<p>Biologically Reclaimed quarry area</p> <p>The mine has stopped operations since 01.04.2018. The mine area is a part of Integrated Lakhampur-Belpahar-Lilari OCP (40NTTY) in which the mine areas of Lakhampur OCP, Belpahar OCM and Lilari OCP have been amalgamated since 27.03.2024 for extraction of bottom seams.</p>
6	A periodic progress report regarding implementation of the control measures shall be submitted to the Ministry every three months.	<p>The mine has stopped operations since 01.04.2018. The mine area is a part of Integrated Lakhampur-Belpahar-Lilari OCP (40NTTY) in which the mine areas of Lakhampur OCP, Belpahar OCM and Lilari OCP have been amalgamated since 27.03.2024 for extraction of bottom seams. Further, Previous report submitted to ministry vide no. MCL//LKPA/LKPOCP/Envt./2023-24/4210 Date: 27.11.2023.</p>
7	The effluents discharged will conform to the standards prescribed by the Central/State Pollution Board and/or	<p>There is no effluent generation from the mine. The mine has stopped operations since 01.04.2018. The mine area is a part of Integrated</p>

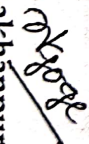
	<p>under Environment (Protection) Act, 1986. Sufficient number of air and water quality monitoring stations will be set up.</p>	<p>Lakhanpur-Belpahar-Lilari OCP (40MTY) in which the mine areas of Lakhanpur OCP, Belpahar OCM and Lilari OCP have been amalgamated since 27.03.2024 for extraction of bottom seams.</p>
8	<p>Regular monitoring of various environmental quality parameters would be carried out by the project authorities and the results of the monitoring would also be included in the quarterly progress report to be submitted to this Ministry.</p>	<p>Regular monitoring of environmental parameters such as ambient air quality and mine water quality is being monitored (Attached as Annexure-J). The mine has stopped operations since 01.04.2018. The mine area is a part of Integrated Lakhanpur-Belpahar-Lilari OCP (40MTY) in which the mine areas of Lakhanpur OCP, Belpahar OCM and Lilari OCP have been amalgamated since 27.03.2024 for extraction of bottom seams.</p>
9	<p>The project will have an Environmental Cell for monitoring quality of water, air, solid wastes, greening and other action plans for protection of environment.</p>	<p>An Environmental cell has been constituted for the project. A project manager of E6 grade oversees the environmental activities directly reporting to Project Officer and guided by Area Environment Officer and Environment Department at MCL HQ.</p>
10	<p>This Ministry may stipulate any other conditions as may be required in the interest of environmental protection.</p>	<p>Any condition imposed by Ministry required in the interest of environmental protection will be complied.</p>
11	<p>The implementation of these conditions and safeguards will be ensured, among others, under the provisions of the Environment (Protection) Act, 1986.</p>	<p>All the conditions and safeguards under the provisions of the Environment (Protection) Act, 1986 are being complied.</p>

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Annexure-I

Ambient Air Quality Monitoring							
Monitoring Station	Date of Sampling	SPM	PM10	PM2.5	SO2	NOx	
Near Lilari Magazine House	14-Oct-23	252	150	58	16.96	25.11	
Near Lilari Magazine House	21-Oct-23	185	92	39	11.83	14.68	
Near Lilari Magazine House	06-Nov-23	232	142	45	17.04	17.00	
Near Lilari Magazine House	22-Nov-23	243	144	52	16.67	17.59	
Near Lilari Magazine House	07-Dec-23	226	145	53	15.77	12.90	
Near Lilari Magazine House	21-Dec-23	261	158	62	16.84	18.32	
Near Lilari Magazine House	12-Jan-24	248	158	62	13.58	15.28	
Near Lilari Magazine House	20-Jan-24	242	152	58	15.97	11.53	
Near Lilari Magazine House	03-Feb-24	246	146	58	11.71	14.88	
Near Lilari Magazine House	15-Feb-24	248	146	58	15.65	18.23	
Near Lilari Magazine House	09-Mar-24	274	172	67	17.58	13.56	
Near Lilari Magazine House	25-Mar-24	214	108	46	12.86	18.54	

Water Air Quality Monitoring						
Monitoring Station	Date of Sampling	pH	O&G	TSS	COD	
Mine Sump Water	12-Oct-23	6.94	<4.0	56	32	
Mine Sump Water	11-Jan-24	7.28	<4.0	32	24	

  
 Project Officer  
 Lakhampur OCP/Lilari OCP  
 G.M (Min) / Project Officer  
 Integrated LBL OCP  
 Lakhampur Area MCI

  
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