

**WESTERN COALFIELDS LIMITED**

OFFICE OF THE SUB AREA MANAGER

NEELJAY SUB AREA: WANI AREA

PO: Bellora, The: Wani, Dist:- Yavatmal, MH-445304

RefNo. WCL/WA/SAM(M)/NLSA/CIVIL/2024-25/580

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 Bellora Naigaon Opencast Mine, WCL,  
Wani Area for the period from 1<sup>st</sup> April 2024 to 30<sup>th</sup> September 2024

Respected Sir,

Please find enclosed herewith the Six Monthly EC Compliance Report in respect of Bellora Naigaon Deep OC mine for the period from 1<sup>st</sup> April 2024 to 30<sup>th</sup> September 2024.

Thanking you.

Yours faithfully,

  
29.11.24  
Sub Area Manager  
Niljai Sub Area

**Copy To,**

1. Regional Officer, MPCB Chandrapur
2. Area General Manager, Wani Area, WCL
3. General Manager (Env/HOD) WCL, Nagpur
4. Area Nodal Officer (Env), Wani Area.
5. Office Copy

**WESTERN COALFIELDS LIMITED**

**SIX MONTHLY**

**EC COMPLIANCE REPORTS**

**FOR PERIOD OF**

**1<sup>st</sup> April 2024 to 30<sup>th</sup> September 2024**



**Bellora Naigaon Deep Opencast**

**Coal Mine Project**

# DATA SHEET

(Status as on 30/09/2024)

Sr. No.	Particulars	Data			
1.	Project Type: River-valley/Mining/Industry/Thermal/Nuclear/other (specify)	Mining (Opencast Coal Mining)			
2.	Name of the project	Bellora Naigaon Deep Opencast Expansion Project			
3.	Clearance Letter(s)/OM No. and date	No.J-11015/332/2009-IA.II (M) dtd. 6 <sup>th</sup> March, 2012			
4.	Location				
	a. District(s)	Yeotmal			
	b. State(s)	Maharashtra			
	c. Latitude/Longitude	Latitude: 19°56'29" to 19°58'41"N Longitude: 79°4'48" to 79°6'12"E			
5.	Address for correspondence				
	a. Address of the Concerned Project Chief Engineer (With Pin Code & Telephone/Telex/Fax Numbers)	Office the Sub Area manager, Bellora Naigaon Opencast Mine, Neeljay Sub Area, PO:-Bellora , Teh.:- Wani Dist:-Yavatmal. Maharashtra. Pin:- 445304			
	b. Address of the Executive Project Engineer (With Pin Code & Telephone/Telex/Fax Numbers)	Mr. Sanjay Mishra Sub Area Manager, Niljai Bellora Naigaon Opencast Mine, Neeljay Sub Area, PO:-Bellora , Teh.:- Wani Dist:-Yavatmal. Maharashtra. Pin:- 445304 Mob - 9422135753			
6	Salient features				
a.	of mine	Opencast Coal Mining project with production capacity of 1.25 MTPA			
b.	Environmental management plans	Budget allocation made for Environment Pollution Control Measure (as per RPR 11.11.2020) is for Rs. 740.00 Lakhs and an additional provision of Rs. 3.3573 crores against CER have been made.			
7	Breakup of Project Area				
<b>EXISTING LEASE HOLD AREA</b>					
	Sr. No	Land details	Within ML	Outside ML	Total
	A	<b>Land Acquired (Ha)</b>			
	1.	Tenancy land	263.29	0.00	263.29
	2.	Govt Land & Goathan land	29.97	0.00	29.97

	3.	Forest Land	40.50	0.00	40.50
		Total A		A	<b>333.76</b>
	B	<b>Land Acquired (Ha) New</b>			
	1.	Tenancy land	280.46	0.00	280.46
	2.	Govt Land & Goathan land	11.80	0.00	11.80
	3.	Forest Land	0.00	0.00	0.00
		Total B		B	<b>292.26</b>
		<b>Total Land (Ha)</b>		(A+B)	<b>626.02</b>
8	Breakup of the project affected population with enumeration of those losing houses/dwelling units only agricultural land only Both dwelling units & agricultural land and landless labourers/artisans		No household land has been acquired for this project		
	a. SC, ST/Adivasi		NA		
	b. Others				
	(Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey is carried out give details and year of survey)		NA		
	Land Compensation		<p>Status of land compensation against 280.46 Ha tenancy land is given below:            (Details as on 31/03/2024)            No. of land holding - 181            No. of Holdings on which employment provided till date – 157            No. of Holdings on which MC in lieu of Employment provided till date – 8            Balance – 16 Nos.            Provision of Rs. 55.20 Crores is approved against 280.46 Ha out of which till date (31/03/2024) land compensation of Rs. 54.84 Crs has been disbursed against 278.57 Ha of tenancy land.</p>		
9	Financial Details				
	a. Project cost as originally planned and subsequent revised estimates and the year of price reference		Project report Capital Investment – Rs. 252.7086 Crores Capital Investment (as on 31.03.2022) – Rs. 163.27 Crores		

	b. Capital Investment on Environmental Protection measures	As per PR approved (May 2018) Rs. 275.00 Lakhs.																																	
	c. Benefit cost ratio / Internal Rate of Return and the year of assessment	As per updated PR approved (May 2018), the IRR of the project at 85% capacity comes to 12.16 %																																	
	d. Whether (a.) includes the cost of environmental management as shown in the above	Yes, the cost of environmental management included in PR cost.																																	
	e. Actual expenditure incurred on the project so far	Capital Investment (as on 31.03.2024) – Rs. 434.20 Crores																																	
	f. Actual expenditure incurred on the environmental management plans so far	<p>Expenditure for last five year for environmental protection including works like Tree plantation, Consent fees, Environment monitoring, Hazardous waste disposal, Effluent treatment plant, Sewage treatment plant and misc. Environmental works.</p> <table border="1"> <thead> <tr> <th>Sr. No</th> <th>Year</th> <th>Amount (in Rs)</th> </tr> </thead> <tbody> <tr><td>1</td><td>2014-15</td><td>6502765.00</td></tr> <tr><td>2</td><td>2015-16</td><td>8485627.00</td></tr> <tr><td>3</td><td>2016-17</td><td>27890683.00</td></tr> <tr><td>4</td><td>2017-18</td><td>5923582.00</td></tr> <tr><td>5</td><td>2018-19</td><td>1476318.00</td></tr> <tr><td>6</td><td>2019-20</td><td>4083627.22</td></tr> <tr><td>7</td><td>2020-21</td><td>8200369.00</td></tr> <tr><td>8</td><td>2021-22</td><td>15016189.00</td></tr> <tr><td>9</td><td>2022-23</td><td>15254077.59</td></tr> <tr><td>10</td><td>2023-24</td><td>8267176.17</td></tr> </tbody> </table> <p><b>Capital Expenditure 2021-22:</b></p> <ol style="list-style-type: none"> <li>Supply , installation and commissioning of CAAQMS at Bellora Naigaon OC – Rs. 6527538.93</li> <li>2 Nos. Air conditioner for Naigaon CAAQMS 1.5 ton – Rs. 74280.02</li> </ol> <p><b>Capital Expenditure 2022-23:</b></p> <ol style="list-style-type: none"> <li>Procurement of Truck mounted mist Cannon – Rs. 34.10 lakhs</li> </ol>	Sr. No	Year	Amount (in Rs)	1	2014-15	6502765.00	2	2015-16	8485627.00	3	2016-17	27890683.00	4	2017-18	5923582.00	5	2018-19	1476318.00	6	2019-20	4083627.22	7	2020-21	8200369.00	8	2021-22	15016189.00	9	2022-23	15254077.59	10	2023-24	8267176.17
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10	Forest land requirement																																		
	a. The status of approval for diversion of forest land for non-forestry use	Forest Clearance for 40.50 Ha has ben granted vide letter no : 8-551/88-FC. Dtd.09-09-1993																																	
	b. The status of clearing felling																																		

	c. The status of compensatory afforestation, if any	
	d. Comments on the viability and sustainability of compensatory afforestation program in the light of actual field experience so far	
11	The status of clear felling in non-forest areas (such as submergence area or reservoir, approach roads.), if any with quantitative information required.	Not Applicable.
12	Status of Project Establishment (Actual &/or Planned)	
	a. Date of commencement (Actual &/or Planned)	Originally Bellora OC (approved PR 08-04-1987) and Naigaon OC (approved PR 28.01.1991) were operated separately. Both the mines were amalgamated as per approved PR dtd. 20-12-1997 Bellora Naigaon Deep OC Mine started from May 2018
	b. Date of Completion (Actual &/or Planned)	Date of completion of Project- life of the Mine -14 years as per PR
13	Reason for the delay if the project is yet to start	Project started within timeframe
14	Status of legal compliances	
A.	Consent under Air (Prevention and Control of Pollution) act	Format 1.0/CAC/UAN No. MPCB-CONSENT-0000165765/CR/2307001628 dtd. 26/07/2023 valid upto 31/03/2024
B.	Consent under water (prevention and control of pollution) act	
C.	Environmental Protection Act	Environmental clearance accorded by MOEF vide letter No. J11015/332/2009-IA.II (M) Dtd:06.03.2012. for 1.25 MTPA
D.	Forest (Conservation) Act	Forest Clearance for 40.50 Ha has been granted vide letter no:- 8-551/88-FC. Dtd.09.09.1993.

  
 29.11.24  
**Sub Area Manager**  
**Niljai Sub Area**

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE CONDITIONS**

Bellora Naigaon Deep Opencast Coal Mine Project (1.25MTPA).  
MOEF Environmental Clearance Letter No. J-11015/332/2009-IA.II(M) Dated 06/03/2012.  
PERIOD: 01/04/2024 to 30/09/2024

<b>A)</b>	<b>Specific Conditions</b>	<b>Compliance as on 30/09/2024</b>																																																								
I	The peak production capacity of the project shall not exceed 1.25 MTPA without prior EC form this Ministry	<p>As per the approved PR (Feb 2012), the life of the project was worked out to 20 years for total coal reserve of 18.27 Million tonne and removing total of 114.45 Million cum overburden. The mine has started the coal production in the year 01.04.2012. The details of coal and OB is given below:</p> <table border="1" data-bbox="667 583 1219 1304"> <thead> <tr> <th>Sr. No.</th> <th>Year</th> <th>Coal Production (MT)</th> <th>OB Removal (Mm3)</th> </tr> </thead> <tbody> <tr><td>1.</td><td>2012 – 13</td><td>1.05</td><td>6.42</td></tr> <tr><td>2.</td><td>2013 –14</td><td>1.05</td><td>6.75</td></tr> <tr><td>3.</td><td>2014 –15</td><td>1.18</td><td>7.94</td></tr> <tr><td>4.</td><td>2015 – 16</td><td>1.20</td><td>3.03</td></tr> <tr><td>5.</td><td>2016 – 17</td><td>0.86</td><td>2.20</td></tr> <tr><td>6.</td><td>2017 – 18</td><td>0.15</td><td>0.51</td></tr> <tr><td>7.</td><td>2018 – 19</td><td>NIL</td><td>NIL</td></tr> <tr><td>8.</td><td>2019-20</td><td>Nil</td><td>0.86</td></tr> <tr><td>9.</td><td>2020-21</td><td>Nil</td><td>5.30</td></tr> <tr><td>10.</td><td>2021-22</td><td>0.942</td><td>7.887</td></tr> <tr><td>11.</td><td>2022-23</td><td>1.25</td><td>8.11</td></tr> <tr><td>12.</td><td>2023-24</td><td>1.25</td><td>7.80</td></tr> <tr><td>13.</td><td>2024-25 (Till 30/09/2024)</td><td>0.74</td><td>0.565</td></tr> </tbody> </table>	Sr. No.	Year	Coal Production (MT)	OB Removal (Mm3)	1.	2012 – 13	1.05	6.42	2.	2013 –14	1.05	6.75	3.	2014 –15	1.18	7.94	4.	2015 – 16	1.20	3.03	5.	2016 – 17	0.86	2.20	6.	2017 – 18	0.15	0.51	7.	2018 – 19	NIL	NIL	8.	2019-20	Nil	0.86	9.	2020-21	Nil	5.30	10.	2021-22	0.942	7.887	11.	2022-23	1.25	8.11	12.	2023-24	1.25	7.80	13.	2024-25 (Till 30/09/2024)	0.74	0.565
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Ii	Further deepening of the mine in the dip side beyond 170 m shall be finalized in advance i.e. 3-5 years before the project reaches 170 m and for which a fresh (and prior ) environmental clearance for further expansion in terms of additional land as well as reserves shall be taken from this Ministry.	Existing mine depth – 141 m After deepening proposal is finalized beyond 170m fresh EC will be obtained.																																																								
Iii	The embankment being constructed along the boundary of the mine	Embankment of length 3900 m, avg width of 38m and avg. height 10m above HFL constructed along the boundary of the mine along Wardha River.																																																								

	<p>along the River Wardha shall be of suitable dimensions taking into account the highest flood level based on past data so as to guard against mine inundation and stabilized with plantation using native species so as to withstand the peak water flow and prevent mine inundation. The slope of the embankment shall at least 2:1 towards the ML. The height of the embankment shall be at least 3 m higher than the HFL of ht river. Stone pitching shall be done in the river front and in critical stretches to stenotherm the embankment during peak rainfall.</p>	<p>Plantation is done along Embankment for stability and grass pitching also developed long back for slope stability during rainy season. 91050 Nos. of plantation is done at OB dump and embankment.</p>																																				
<p>iv</p>	<p>OB shall be stacked at earmarked 4 external OB deposits covering an area of 223.97 ha and shall not exceed the max. height of 60 m consisting of benches of 15 m each. The ultimate slope of the dump shall not exceed 28. Bamboo and other native species shall be planted on OB dumps for slope stability. Monitoring and management of the reclaimed dumpsites shall continue until the vegetation becomes self-sustaining, compliance status shall be submitted to the ministry of Environment &amp; Forests and its Regional office located at Bhopal on yearly basis.</p>	<p>OB is stacked at earmarked place as per PR, &amp; the height of OB dump is maintained 60m only.</p> <p>OB details as on 30/09/2024</p> <table border="1" data-bbox="667 1037 1297 1524"> <thead> <tr> <th>Sr. No.</th> <th>Dump Name</th> <th>Type of Soil (Black Cotton/ Hard Soil)</th> <th>External/ Internal</th> <th>Area (in Ha)</th> <th>Volume (in Mm3)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Dump No- 1</td> <td>Hard</td> <td>Internal</td> <td>131.71</td> <td>47.38</td> </tr> <tr> <td>2</td> <td>Dump No- 4</td> <td>Hard</td> <td>External</td> <td>15.07</td> <td>2.95</td> </tr> <tr> <td>3</td> <td>Dump No- 5</td> <td>BC soil</td> <td>External</td> <td>151.67</td> <td>45.39</td> </tr> <tr> <td>4</td> <td>Dip- 1</td> <td>BC Soil</td> <td>External</td> <td>10.13</td> <td>1.35</td> </tr> <tr> <td>5</td> <td>Dip- 1</td> <td>Hard</td> <td>External</td> <td>9.59</td> <td>3.2</td> </tr> </tbody> </table> <p>The ultimate slope of the dump is maintained not more than 28 degree. Plantation of native species is also done on OB dump for slope stability. Till now 91050.00 Nos. of mixed native species of plants have been planted on embankment and OB dumps.</p>	Sr. No.	Dump Name	Type of Soil (Black Cotton/ Hard Soil)	External/ Internal	Area (in Ha)	Volume (in Mm3)	1	Dump No- 1	Hard	Internal	131.71	47.38	2	Dump No- 4	Hard	External	15.07	2.95	3	Dump No- 5	BC soil	External	151.67	45.39	4	Dip- 1	BC Soil	External	10.13	1.35	5	Dip- 1	Hard	External	9.59	3.2
Sr. No.	Dump Name	Type of Soil (Black Cotton/ Hard Soil)	External/ Internal	Area (in Ha)	Volume (in Mm3)																																	
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4	Dip- 1	BC Soil	External	10.13	1.35																																	
5	Dip- 1	Hard	External	9.59	3.2																																	
<p>v</p>	<p>Catch drains and siltation ponds of appropriate size shall be constructed to arrest silt and sediment</p>	<p>Catch drains of length 3 km width 1.5 m and depth 1.5 m have been provided around periphery of OB dumps to arrest silt &amp; sediment flow from OB dumps etc, which is maintained properly.</p>																																				



	<p>flows from soil, OB and mineral dumps. The water so collected shall be utilized for watering the mine area, roads, green belt development etc. the drains shall be regularly desilted and maintained properly.</p> <p>Garland drains (size, gradient and length) and sump capacity shall 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 shall also provide adequate retention period to allow proper setting of silt material. Dimension of the retaining wall at the toe of the dumps and OB benches within the mine to check run-off and situation shall be based on the rainfall data.</p>	<p>The mine water is using for watering the mine area, roads for dust suppression, and green belt development etc.</p> <p>Garland drain of length 5 km width 1.5 m and depth 1.5m is provided at mine boundary. Mine water sump of adequate capacity with retention period have been provided to with stand peak sudden rainfall &amp; max discharge in the area adjoining the mine site.</p>
vi	<p>Crushers at 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 system, haulage roads, transfer points etc.</p>	<p>The CHP is completely covered with GI sheet and provided with water sprinkling arrangement.</p> <p>Fugitive dust suppression at mines is done by mobile water tanker (2 Nos. 28 KL departmental tanker, 2 Nos. 18 KL contractual tanker and 1 Nos. 12 KL hired tanker). 1 No. truck mounted mist canon is also in operation in mine.</p>
vii	<p>Drills shall be wet operated.</p>	<p>Drills are provided with wet drilling arrangement.</p>
viii	<p>Main approach roads used for mineral transportation shall view black topped and properly maintained. A3 tier green belt comprising of mix of native species shall be developed all along the</p>	<p>All the coal transportation &amp; other infrastructure roads are concreted or black topped. Plantation has been done along coal transportation &amp; approach roads.</p> <p>Till date 158400 Nos. of plantation done in 63.36 Ha.</p>

	major approach roads and major haul roads and roads near mines office, infrastructure and other buildings.																																			
ix	The capacity of an estimated 190 trucks used for transportation of an estimated 3788 TPD of cost shall be minimum 20-T capacity and shall be mechanically covered. A 3-tier plantation shall develop under CSR for the stretch of 8 Km of the road from mine to Ghugus Railway Siding. A 3- tier plantation shall also be developed in and around the Railway Siding.	Coal transportation is being done as per RTO permission of coal transportation trucks. Coal transportation trucks are covered with Tarpaulin. Avenue plantation has already been done along coal transportation roads & approach roads.																																		
X	Controlled blasting shall be practiced with use of delay detonators and only during daytime. The mitigative measures for control of ground vibrations and to arrest the fly rocks and boulders shall be implemented.	Controlled blasting is done during day time with the use of delay detonators.																																		
Xi	A progressive afforestation plan shall be implemented covering an area not less than 308.8 ha, which includes 190 ha in external OB dumps, 72.20 ha in backfilled area, 21.608 ha vacant/undisturbed area, 6ha along infrastructure and roads, 0.50 ha in township area for colony and 18.5 ha on embankment by planting native species in consultation with the local DFO/Agriculture Department. The density of the trees shall be around 2500 plants per ha.	A progressive plantation of 158400 nos. covering of area 63.36 Ha has been done till date. The details are tabulated below:																																		
		<table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Location</th> <th>Plantation (in Nos.)</th> <th>Area</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>OB Dumps &amp; embankments (slope)</td> <td>33280</td> <td>13.312</td> </tr> <tr> <td>2</td> <td>Safety zones</td> <td>0</td> <td>0</td> </tr> <tr> <td>3</td> <td>Backfilled Area</td> <td>18000</td> <td>7.2</td> </tr> <tr> <td>4</td> <td>Other Area Avenue</td> <td>1420</td> <td>0.568</td> </tr> <tr> <td>5</td> <td>Plain</td> <td>55700</td> <td>22.28</td> </tr> <tr> <td>6</td> <td>BC soil dump 2021 (17500 Nos. in slopes &amp; 20000 in dump)</td> <td>37500</td> <td>15</td> </tr> <tr> <td>7</td> <td>BC soil dump 2022-23</td> <td>12500</td> <td>5</td> </tr> <tr> <td></td> <td>Total</td> <td>158400</td> <td>63.36</td> </tr> </tbody> </table>	Sr. No.	Location	Plantation (in Nos.)	Area	1	OB Dumps & embankments (slope)	33280	13.312	2	Safety zones	0	0	3	Backfilled Area	18000	7.2	4	Other Area Avenue	1420	0.568	5	Plain	55700	22.28	6	BC soil dump 2021 (17500 Nos. in slopes & 20000 in dump)	37500	15	7	BC soil dump 2022-23	12500	5		Total
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	Total	158400	63.36																																	
xii	Of the total quarry area of 225.80 ha an area of 83.12	The Naigaon OCM is in operation stage, as the mine progresses, backfilling and further plantation work will be																																		

	<p>ha is being backfilled of which 72.20 ha shall be reclaimed with plantation and void of 142.68 ha which is proposed to be converted into a water body shall be gently sloped and the upper benches shall be terraced and stabilized with plantation/ afforestation in case the expansion project along the dip side does not materialize the plantation shall consist of native plant species and shall be developed in consultation with the local DFO/Agriculture Department/Suitable institution. The density of the trees shall be around 2500 plants per ha.</p>	<p>executed. And void of 142.68 Ha will be left for water body with gentle slope and benching. 7.02 Ha physical reclamation and 4.09 Ha biological reclamation has been done as on 30/09/2024.</p> <table border="1" data-bbox="667 243 1325 632"> <thead> <tr> <th>Sr. No.</th> <th>Description</th> <th>As per EC (in Ha)</th> <th>As on 30/09/2024 (in Ha)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Excavated Area</td> <td>225.80</td> <td>190.42</td> </tr> <tr> <td>2.</td> <td>Backfilled Area</td> <td>83.12</td> <td>124.84 (partially backfilled)</td> </tr> <tr> <td>3.</td> <td>External OB dumping (including top soil)</td> <td>223.97</td> <td>193.33</td> </tr> </tbody> </table>	Sr. No.	Description	As per EC (in Ha)	As on 30/09/2024 (in Ha)	1.	Excavated Area	225.80	190.42	2.	Backfilled Area	83.12	124.84 (partially backfilled)	3.	External OB dumping (including top soil)	223.97	193.33
Sr. No.	Description	As per EC (in Ha)	As on 30/09/2024 (in Ha)															
1.	Excavated Area	225.80	190.42															
2.	Backfilled Area	83.12	124.84 (partially backfilled)															
3.	External OB dumping (including top soil)	223.97	193.33															
xiii	<p>No ground water shall be used for mining operations.</p>	<p>No ground water is being used for mining operation.</p>																
xiv	<p>Monitoring of ground water regime and river flow conjunctively shall be undertaken on a regular and long term basis through a network of piezometers/wells taking into account depth and site characteristics. Monitoring for quantity shall be done four times a year in pre-monsoon (May), monsoon (august), Post Monsoon (November) and winter (January) seasons and for quality in May. Data thus collected shall be submitted to the Ministry of Environment &amp; Forests and to the Central pollution control board quarterly as part of the compliance Report.</p>	<p>Regular monitoring of ground water level from existing wells M/s. Anacon Laboratories Pvt. Ltd. Nagpur for four times a year i.e. during pre-monsoon (May), monsoon (August), post-monsoon (November), and winter (January) seasons. Quality of groundwater is monitored as per IS: 10500: 2012. The monitoring report is regularly sent to Regional Officer, CGWB Nagpur with a copy to MoEF&amp;CC &amp; CPCB.  The ground water 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 from December 2022 to August 2024 and Ground water quality analysis report for May 2024 has been sent from our email id. <b>(Copy Enclosed as Annexure-A)</b></p>																
xv	<p>The Company shall put up artificial ground water</p>	<p>Artificial ground water recharge measures have been developed nearby villages by deepening of pond etc.</p>																

	recharge measures for augmentation of ground water resource in case monitoring indicates a decline in water table the project authorities shall meet water requirement of nearby village(G) in case the village wells go dry due to watering of mine.	Water requirement in nearby villages is also met through providing Boreholes, Hand pumps under CSR activities of the company.																																																																													
Xvi	Sewage treatment plant shall be installed in the existing colony. ETP shall also be provided for workshop and CHP waste water.	There is no colony under Naigaon OC mine. The employees of Naigaon reside at Sunder nagar colony of Niljai OC mine which has 0.5 MLD STP. ETP at workshop is provided of 100 KLD capacity.																																																																													
Xvi i	Besides carrying out regular periodic health checkup of their workers, 10% of the workers identified from workforce engaged in active mining operation shall be subjected to health check up for occupational diseases and hearing impairment, if any through an health institution/ agency located in the region/district within period of one year and the results reported to this ministry and to DGMS.	<p>Besides regular periodic health check up of the company workers 10% of the workers are checking for occupational diseases &amp; hearing impairment if any, through health institution/agency within the region and report sent to concerned authority.</p> <p>Details of PME &amp; IME is given below:</p> <table border="1"> <thead> <tr> <th>Year</th> <th>PME (in Nos.)</th> <th>Cont IME (in Nos.)</th> </tr> </thead> <tbody> <tr> <td>2019</td> <td>22</td> <td>13</td> </tr> <tr> <td>2020</td> <td>11</td> <td>214</td> </tr> <tr> <td>2021</td> <td>2</td> <td>128</td> </tr> <tr> <td>2022</td> <td>37</td> <td>207</td> </tr> <tr> <td>2023</td> <td>145</td> <td>143</td> </tr> <tr> <td>2024 (Till Oct)</td> <td>156</td> <td>45</td> </tr> </tbody> </table> <p>Regular training on department and contractual workers are provided at Vocational Training Center Ghugus. The details are tabulated below:</p> <table border="1"> <thead> <tr> <th rowspan="2">Calendar year</th> <th colspan="2">Training</th> <th rowspan="2">Refresh er Trainin g</th> <th rowspan="2">Need based special training</th> <th rowspan="2">Total people trained (in Nos.)</th> </tr> <tr> <th>Dept</th> <th>Cont</th> </tr> </thead> <tbody> <tr> <td>2016</td> <td>0</td> <td>49</td> <td>78</td> <td>113</td> <td>240</td> </tr> <tr> <td>2017</td> <td>1</td> <td>0</td> <td>57</td> <td>71</td> <td>129</td> </tr> <tr> <td>2018</td> <td>0</td> <td>4</td> <td>5</td> <td>42</td> <td>51</td> </tr> <tr> <td>2019</td> <td>5</td> <td>0</td> <td>6</td> <td>69</td> <td>80</td> </tr> <tr> <td>2020</td> <td>36</td> <td>189</td> <td>14</td> <td>42</td> <td>281</td> </tr> <tr> <td>2021</td> <td>17</td> <td>197</td> <td>31</td> <td>43</td> <td>288</td> </tr> <tr> <td>2022</td> <td>3</td> <td>248</td> <td>37</td> <td>57</td> <td>345</td> </tr> <tr> <td>2023</td> <td>6</td> <td>235</td> <td>54</td> <td>63</td> <td>358</td> </tr> </tbody> </table>	Year	PME (in Nos.)	Cont IME (in Nos.)	2019	22	13	2020	11	214	2021	2	128	2022	37	207	2023	145	143	2024 (Till Oct)	156	45	Calendar year	Training		Refresh er Trainin g	Need based special training	Total people trained (in Nos.)	Dept	Cont	2016	0	49	78	113	240	2017	1	0	57	71	129	2018	0	4	5	42	51	2019	5	0	6	69	80	2020	36	189	14	42	281	2021	17	197	31	43	288	2022	3	248	37	57	345	2023	6	235	54	63	358
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Xvi ii	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	Restoration/Reclamation Monitoring of all mine of WCL having less than 5 million cum. (Coal+OB) capacity is being done by Satellite and the data is available in the website of WCL. The satellite data for Bellora Naigaon OC mine for year 2023 is enclosed. <b>(Copy Enclosed as Annexure-B)</b>																																																																													

	<p>zone and buffer zone from the start of the project until end of mine life shall be prepared one in 3 years (for any one particular season which is consistent in the time series), and the report submitted to MOEF and its Regional office at Bhopal.</p>	<p>The data is submitted to MoEF&amp;CC</p>
Xix	<p>A Final Mine closure plan along with details of corpus fund should be submitted to the ministry of Environment &amp; Forests of final mine closure</p>	<p>Mine Closure Plan is a part of Project Report/ Mining plan and a final mine closure plan was approved by the WCL Board along with opening of a corpus fund / account having account no. 08973161002799 was opened at the Oriental Bank of Commerce, Jaripataka Branch, Nagpur. The total corpus amounts available in the account as on date Rs. 622570132.23 as on 31.03.2024 (Including the principal along with the interest).</p>
Xx	<p>The project authorities shall in consultation with local administration and Pantheist of the local villages prepare and implement a plan for socio-economic and welfare measures under CSR to be carried out over the balance life of the mine. A budgetary provision of Rs 5 per tonne of coal shall be earmarked for CSR activities for village Bellora, Naigaon. The budget and expenditure thereon village wise and activity wise for CSR shall be displayed on WCL website and also included as part of Annual plan.</p>	<p>CIL's CSR policy dtd. 30-12-2015 has been framed as per companies Act 2013, as per notification issued by Ministry of Corporate Affairs, GoI on 27-02-2014 as well as DPE guideline.</p> <p>As per the policy, fund for CSR should be allocated based on 2% of average net profit of the company for three immediate preceding financial years or Rs. 2.00 per tonne of coal production of previous year whichever is higher.</p>
Xxi	<p>The company shall have a well laid down Environmental policy approved by the Board of Director. The Environment policy shall prescribe for standard operating process/procedures to bring into focus any infringement/deviation/violation of the</p>	<p>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.</p> <p>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</p>

	environmental norms/conditions. 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 of Directors of the company and/or shareholders of stakeholders at large.	communicated vide Ref: WCL/BD/SECTT/BM-309/2019/267 dated 15.03.2019.  For monitoring of EC/FC norms & conditions, an online MDMS portal (Mine Data Management System) of MoC, GoI is already existing where in the environmental data namely, air quality, water quality, noise quality data are uploaded and regularly updated. In addition to that, compliance report of each condition of EC is also uploaded in the portal and the same is also updated every six months.  This management system has the access of CIL & MoC.
<b>B)</b>	<b>General Conditions</b>	<b>Compliance</b>
i	No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment and forests.	Mine working is being done as per approved EC and Project report.
ii	No change in the calendar plan including excavation ,quantum of mineral coal and waste shall be made	No change in coal and OB production is done.
iii	Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for PM10, PM2.5, SO2 and NOz monitoring. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive target in consultation with the State Pollution Control Board .	Four monitoring stations has been established in the project based on meteorological data . Two core zones stations i.e. Sub Area Manager office and Workshop ETP. Two buffer zone stations has been established at namely Bellora rehabilitation village and Filter plant (Ghugus). SPM, PM10, PM2.5, SOx and NOx is being monitored regularly at this stations on fortnightly basis. Ambient air Heavy metal monitoring is being done regularly. Environment Monitoring Reports 2024-25 (April 2024 to September 2024); Half yearly Surface water monitoring report till September 2024, Quarterly Drinking water monitoring report for QE June 2024, September 2024 and Half yearly heavy metal report till September 2024 are sent to Regional Officer, MoEF&CC Nagpur, Regional Officer MPCB Chandrapur and Sub Regional Officer Chandrapur MPCB and CPCB through our mail id. <b>(Copy attached as Annexure-C)</b>
iv	Fugitive dust emissions (PM10 and PM2.5 ) from all the sources shall be controlled regularly monitored and data recorded properly .Water spraying arrangement on haul roads, wagon loading, dump trucks ( loading and unloading) points shall be provided	Fugitive dust emission from OB dumps has been controlled significantly by developing thick green belt / vegetation over OB dumps. Till date 158400 nos of plantation done in 63.36 Ha.  Similarly dust emission from other sources is being controlled by regular water spraying through mobile water tankers in addition to all the road has been black topped and cleaning weigh bridge and coal transportation road also helps to arrest fugitive emission of dust . Mine haul roads are being watered through mobile tankers regularly.


	and properly maintained .	
V	Data on ambient air quality (PM10, PM2.5, SO2 and NOz) shall be regularly submitted to the Ministry including its Regional Office at Bhopal and to the State Pollution control Board and the central Pollution Control Board once in six months.	Data on ambient air quality (SPM, PM10, NOx & SO2) is submitted to Regional Office, MoEF&CC Nagpur and Regional office Maharashtra Pollution Control Board, Chandrapur and CPCB through our email id <b>(Email copy enclosed)</b>
vi	Adequate measures shall be taken for control of noise levels below 85 dBA in the work environment . Worker engaged in blasting and drilling operations, operation of HEMM etc shall be provided with ear plugs/ muffs.	In order to control excessive noise during operation of HEMM regular maintenance of all HEMM as well as supply of ear plugs and muffs are being provided to the workers engaged in operations. In addition to this regular noise monitoring every fortnight is being done.
vii	Industrial wastewater (workshop and waste water from the mine ) Shall be properly collected treated so as to conform to the Standards prescribed under GSR422(E) dated 19 th May 1993 and or as amended from time to time before discharge . Oil and grease trap shall be installed before discharge of workshop effluents .	Mine water after initial sedimentation in the mine sump is pumped out & collected into surface sedimentation pond for further settlement. The dimension of RCC sedimentation tank is 30m x 10.5m x 2.5m. ETP of 100 KLD has been provided for workshop waste water & recycled the treated water with Zero discharge
viii	Vehicular emissions shall be kept under control and regularly monitored.	Vehicular emission is kept under control by routine maintenance of vehicles used in operation The tippers carrying coal are optimally loaded and covered fully by tarpaulins.
ix	Environmental laboratory shall be established with adequate number and type of pollution monitoring and analysis equipment in consultation with the state pollution Control Board.	Monitoring of Environment quality parameter is being done by CMPDIL, RI – IV, Nagpur. A full-fledged NABL accredited environmental laboratory already exists at CMPDI Nagpur.
x	Personnel working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and	Protective health and Safety wears are provided to workmen exposed to dust namely dust mask , Helmets, safety boots, Goggles , hand gloves etc. as per DGMS specification . The workers are regularly given training on safety and health aspects ( Statutory requirement under mines act).

	<p>information examination on safety and health aspects. Occupational health Surveillance programme of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and to take corrective measures ,if needed and records maintained thereof.</p>	<p>Initial medical examination (IME) is done for the workers. Moreover regular health checkups through periodical medical examination (PME) of all the workmen once in 5 years as per the statue and workers above 55 years of age once in a year is conducted. All the works are being carried out with all the safety measures and awareness is being created among employees for safety and to avoid any accidents.</p> <p>Details of PME &amp; IME is given below:</p> <table border="1" data-bbox="667 380 1339 638"> <thead> <tr> <th>Year</th> <th>PME (in Nos.)</th> <th>Cont IME (in Nos.)</th> </tr> </thead> <tbody> <tr> <td>2019</td> <td>22</td> <td>13</td> </tr> <tr> <td>2020</td> <td>11</td> <td>214</td> </tr> <tr> <td>2021</td> <td>2</td> <td>128</td> </tr> <tr> <td>2022</td> <td>37</td> <td>207</td> </tr> <tr> <td>2023</td> <td>145</td> <td>143</td> </tr> <tr> <td>2024 (Till Oct)</td> <td>156</td> <td>45</td> </tr> </tbody> </table> <p>Regular training on department and contractual workers are provided at Vocational Training Center Ghugus. The details are tabulated below:</p> <table border="1" data-bbox="667 741 1357 1178"> <thead> <tr> <th rowspan="2">Calendar year</th> <th colspan="2">Training</th> <th rowspan="2">Refresh er Training</th> <th rowspan="2">Need based special training</th> <th rowspan="2">Total people trained (in Nos.)</th> </tr> <tr> <th>Dept</th> <th>Cont</th> </tr> </thead> <tbody> <tr> <td>2016</td> <td>0</td> <td>49</td> <td>78</td> <td>113</td> <td>240</td> </tr> <tr> <td>2017</td> <td>1</td> <td>0</td> <td>57</td> <td>71</td> <td>129</td> </tr> <tr> <td>2018</td> <td>0</td> <td>4</td> <td>5</td> <td>42</td> <td>51</td> </tr> <tr> <td>2019</td> <td>5</td> <td>0</td> <td>6</td> <td>69</td> <td>80</td> </tr> <tr> <td>2020</td> <td>36</td> <td>189</td> <td>14</td> <td>42</td> <td>281</td> </tr> <tr> <td>2021</td> <td>17</td> <td>197</td> <td>31</td> <td>43</td> <td>288</td> </tr> <tr> <td>2022</td> <td>3</td> <td>248</td> <td>37</td> <td>57</td> <td>345</td> </tr> <tr> <td>2023</td> <td>6</td> <td>235</td> <td>54</td> <td>63</td> <td>358</td> </tr> </tbody> </table>	Year	PME (in Nos.)	Cont IME (in Nos.)	2019	22	13	2020	11	214	2021	2	128	2022	37	207	2023	145	143	2024 (Till Oct)	156	45	Calendar year	Training		Refresh er Training	Need based special training	Total people trained (in Nos.)	Dept	Cont	2016	0	49	78	113	240	2017	1	0	57	71	129	2018	0	4	5	42	51	2019	5	0	6	69	80	2020	36	189	14	42	281	2021	17	197	31	43	288	2022	3	248	37	57	345	2023	6	235	54	63	358
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xi	<p>A separate environmental management cell with suitable qualified personnel shall be set up under the control of a Senior Executive who will report directly to the head of the company.</p>	<p>At project level, the Environmental management cell headed by Sub Area Manager and is assisted by Project Nodal Officer (Env), at Area level, Area General Manager is head of the cell and is assisted by GM (OP) &amp; Area Nodal Officer (Env), at corporate level at HQ, headed by General Manager (Env) with a multi-disciplinary team of qualified &amp; experienced Engineers.</p>																																																																													
xii	<p>The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to this Ministry and its Regional Office at Bhopal</p>	<p>Environment funds are maintained separately and not been diverted for any other purposes. Expenditure pertaining to tree plantation, consent fees, dust suppression, ETP &amp; STP, eco development work etc. from 2014-15 to 2023-24 is given below:</p> <table border="1" data-bbox="667 1696 1242 1906"> <thead> <tr> <th>Sr. No.</th> <th>Year</th> <th>Amount (in Rs.)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2014 – 15</td> <td>6502765.00</td> </tr> <tr> <td>2</td> <td>2015 – 16</td> <td>8485627.00</td> </tr> <tr> <td>3</td> <td>2016 – 17</td> <td>27890683.00</td> </tr> <tr> <td>4</td> <td>2017 – 18</td> <td>5923582.00</td> </tr> </tbody> </table>	Sr. No.	Year	Amount (in Rs.)	1	2014 – 15	6502765.00	2	2015 – 16	8485627.00	3	2016 – 17	27890683.00	4	2017 – 18	5923582.00																																																														
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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 Officer by furnishing the requisite data/information/ monitoring reports .	All assistance required by furnishing data/ information/ monitoring report etc. is being provided as per requirement of Regional Office of MoEF&CC.																		
xiv	A copy of the 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 the environmental clearance letter has been marked to concerned Sarpanch of the Village panchayat.																		
xv	State Pollution control Board shall display a copy of the clearance letter at the Regional office, District Industry centre and collector's office/ tehsiladas's office for 30 Days.	Not applicable																		
xvi	The project authorities shall advertise at least in two local newspapers widely circulated around the project, one of which shall be in the vernacular language of the locality concerned within seven days of the clearance letter informing that the project has been accorded environmental	The advertisement has been published in news paper ( English – Lokmat Times, Hindi LokmatSamachar& Marathi Lokmat , Nagpur)																		

	clearance and a copy of the clearance letter is available with the state Pollution control board and may also be seen at the website of the ministry of environment & Forests at <a href="http://encfor.nic.in">http://encfor.nic.in</a>	
3	The Ministry or any other competent authority may stipulate any further condition for environmental protection.	Noted
4	Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract the provision of the environment ( Protection) Act, 1986.	Noted
5	The above conditions will be enforced inter-alia, under the Provisions of the water ( Prevention & control of Pollution) Act 1974, The Air ( Prevention & Control of Pollution) Act 1981, the environment( Protection) Act,1986 and the public Liability Insurance act, 1991 along with their amendments and rules .	Noted


  
 29-11-24  
 Sub Area Manager  
 Niljai Sub Area  
 (Bellora Naigaon OCM)  
 Wani Area, WCL