

**वेस्टर्न कोलफील्ड्स लिमिटेड**

**WESTERN COALFIELDS LIMITED**

(मिनीरल कंपनी) (A Miniratna Company)

(कोल इंडिया लिमिटेड की अनुषंगी कंपनी)

(A Subsidiary of Coal India Limited)

उपक्षेत्रीय प्रबंधक कार्यालय, उमरेर उप क्षेत्र  
पत्ता: वेकोली उमरेड क्षेत्र, पो. उमरेड तह. उमरेड  
जिला नागपुर, महा. पिन-४४१२०४.



**O/O THE SUB AREA MANAGER, UMRER SUB AREA**

Address: WCL Umrer Area, PO: Umrer Dist. Nagpur, MH,

Pin. - 441204 AN ISO 9001-000 MINE

संदर्भ पत्र क्र. वेकोली/उक्षे/उउक्षे/उ.क्षे.प्र./२०२६/ 365

दिनांक: 29.05.2026

प्रति,

The Additional Principal Chief Conservator of Forests  
Ministry of Environment, Forest & Climate Change (MoEF& CC)  
Integrated Regional Office  
Ground Floor, East Wing,  
"New Secretariat Building",  
Civil Lines, Nagpur - 440001 (M.S.)

विषय: Six Monthly Environmental Compliance Report of Makardhokra-I OC Project for the period  
from 01/10/2025 to 31/03/2026

संदर्भ: EC no. J-11015/54/2006-IA-II (M) dated 21.03.2022, 08.02.2024, 25.02.2025.

Dear Sir/Madam,

Please find enclosed herewith Six-Monthly Environmental Compliance Report of  
Makardhokra-I OC Project for the period from 01/10/2025 to 31/03/2026.

It is kindly requested to accept the same.

Thanking you.

भवदिय  
29/5/26  
उपक्षेत्रीय प्रबंधक,

उमरेर क्षेत्र, वेस्टर्न कोलफील्ड्स लिमिटेड

प्रतिलिपी:

- Area General Manager, W.C.L. Umrer Area
- General Manager (Min)/ HOD (Env.), WCL
- Area Nodal Officer (Env), W.C.L. Umrer Area

**WESTERN COALFIELDS LIMITED  
(MINIRATNA COMPANY)**

**SIX MONTHLY ENVIRONMENTAL  
COMPLIANCE REPORT  
(From 01/10/2025 to 31/03/2026)**

*IN RESPECT OF*

**MAKARDHOKRA-I OPEN CAST  
PROJECT**

**UMRER SUB AREA  
UMRER AREA**

**Chronology of Applicable Environmental Clearance and Pointwise Compliance Report are as follows:**

Sl. No	Particulars	Letter no.	Dated	Remarks
1	EC – 2.0 MTPA	J-11015/54/2006-IA.II (M)	26.11.2015	Status of compliance of EC dated 21.03.2022 is primarily considered and major specific EC conditions of EC dated 20.05.2021, 26.11.2015 has been placed subsequently.
2	EC – 3.50 MTPA	J-11015/54/2006-IA.II (M)	20.05.2021	
3	Amendment in EC – 3.50 MTPA	J-11015/54/2006-IA.II (M)	28.02.2022	
4	EC – 4.20 MTPA	J-11015/54/2006-IA.II (M)	21.03.2022	
5	Amendment in EC – 4.20 MTPA	J-11015/54/2006-IA.II (M)	08.02.2024	
6	Amendment in EC – 4.20 MTPA	J-11015/54/2006-IA.II (M)	21.02.2025	

**Note:** Annexure- I – EC letters; Annexure- II CTO/CTE; Annexure -III KML/ Google Imagery;

Sl. No.	Conditions as per EC 21.03.2022	Status as per Six Monthly Compliance report submitted by the PP
4.	<b>Specific Conditions</b>	
i.	Project Proponent shall obtain the CTO for 4.2 MTPA capacity prior to mine production.	CTE & initial CTO was granted by MPCB vide letter no. Format1.0/CAC/UAN No.MPCB CONSENT-0000133816/CO/2203001248 dated 24-03-2022.  Further renewal of CTO has been granted by MPCB vide letter dated 22/04/2026 with validity upto 31/03/2028. <b>(Annexure-II)</b> .
ii.	Further expansion in capacity will only be considered by EAC when at least 75 % of EC conditions are complied fully and PP	Environmental Clearance conditions are being complied. All the efforts are being made to further improve the compliances.  Details of Star rating obtained from Ministry of Coal is placed below:  1. FY 2022-2023, 5 Star rating has been secured for Makardhokra I OC mine.

	obtains 5 - star rating from Ministry of Coal.	<p>2. FY 2023-24, 5 Star rating has been secured for Makardhokra I OC mine.</p> <p>A copy of the star rating document is enclosed as <b>Annexure- IV</b>.</p>
iii.	<p>PP must comply all the non- compliances and partial compliances of IRO CCR report dated 05th November, 2021 as per Action Taken Report dated 09.11.2021 submitted to IRO. Status of which should be submitted to IRO, MOEF &amp; CC in 6 monthly report. IRO, MoEF &amp; CC, shall assess compliance status accordingly.</p>	<p>A certified Copy of the EC Compliance report has been secured from the Regional office, MoEF &amp; CC, Nagpur, vide letter no F. No EC-1031/RON/2019-NGP/8842 dated 05.11.2021.</p> <p>It may be mentioned here that there was no non-compliance reported. However, three nos. of partial compliances were reported.</p> <p>The Action Taken Report in response to the partial compliances were submitted to IRO, MOEF &amp; CC, Nagpur vide letter no. 1026 dated 09.11.2021.</p> <p>Subsequently, a site visit was carried out on 15.01.2022 by RO, MOEF &amp; CC, Nagpur, and a closure report over partially complied conditions w.r.t Certified Copy of compliance (issued on 05.11.2021) has been issued vide letter no. EC-1031/RON/2019-NGP/9190 dated 21.01.2022. (<b>Annexure – V</b>)</p>
iv.	<p>PP shall implement the work of in - pit Belt conveyor system with CHP and Silo loading system till October, 2023 and accordingly. SPCB shall not grant CTO for road transportation after October, 2023. In this regard, a detailed action plan with documentary proof of bidding process should be submitted to IRO, MoEF &amp; CC within 3 months from date of issue of EC.</p>	<p>In compliance of the aforesaid EC condition, amendment in EC condition was secured from MOEF &amp; CC vide letter no. J-11015/54/2006-IA-II (M) dated 08.02.2024 for a time extension for commissioning of belt conveyor with CHP and Silo.</p> <p>Subsequently, MoEF &amp; CC vide letter 21/02/2025 has granted amendment in EC with extension in timeline (i.e. till 31<sup>st</sup> March'2026) for installation and commissioning of Belt conveyor for coal transportation.</p> <p>The latest progress of the construction of belt conveyor is enclosed as <b>Annexure - VI</b>.</p>
v.	<p>PP shall only use 40-50 tonne dumpers/trucks for transportation of coal from mine pit to railway siding till conveyor system is implemented i.e. till December, 2023.</p>	<p>A coal transportation road (width of more than 7 m) is being used to ply 40-tonne dumpers/trucks capacity.</p> <p>Regarding silo loading and belt conveyor it is submitted that, MoEF &amp; CC vide letter 21/02/2025 has granted amendment in EC with extension in timeline (i.e. till 31<sup>st</sup> March'2026) for installation and commissioning of Belt conveyor for coal transportation.</p> <p>Further, an application for amendment in EC for extension of timeline for installation of belt conveyor has been submitted to MoEF &amp; CC vide dated 24-03-2026. The project was considered in the 42<sup>nd</sup> EAC meeting held on 07-04-2026.</p>

		<p>Moreover, to control fugitive dust emissions from crushing, conveying, and coal handling operations, adequate pollution control measures have been implemented at the CHP and associated facilities.</p> <ul style="list-style-type: none"> <li>• 150 nos of Water sprinklers nozzles have been provided at crusher hopper and conveyor transfer points of CHPs at the siding.</li> <li>• Side cladding along the conveyor of CHP is also provided.</li> <li>• Water sprinklers at hopper and conveyor of the crusher of CHP provided at Siding.</li> <li>• 2 Nos of mobile water tankers of 28 KL capacity, 2 Nos of 10 KL Capacity. 1 no of 20 KL and 5 nos. of 12 KL are in operation at haul road, coal transportation road, coal stock yard, siding.</li> <li>• 10 nos. of fog cannons have been deployed near crushers, around coal stock yard.</li> <li>• 11 nos. of sprinklers provided at Railway siding.</li> <li>• 19 nos. of sprinklers provided along coal stock approach and weigh bridge.</li> <li>• 90 nos. of sprinklers provided along coal transportation road.</li> <li>• Automatic tyre washing system is installed at main check post of Umrer Area which is common exit point for all coal transportation truck leaving mining lease area of WCL.</li> <li>• Drills are fitted with water sprinkling arrangement / with dust extractors.</li> <li>• Regular covering of tarpaulin for Coal Transport Truck.</li> </ul>
vi.	<p>PP shall make use of advanced computer simulation techniques for design and execution of blasting operation in the mine.</p> <p>PP shall make use of Electronic Delay Detonators for optimal blasting in coal and OB rock to minimize the environmental impacts of blasting such as ground vibration, fly rocks and excessive dust generation.</p>	<p>Based on the advanced computer simulation techniques designed by experts of Blasting Cell -CMPDI, blasting operations in the mine are being executed.</p> <p>As per the design, proper blasting hole spacings and electronic Delay Detonators are used in order to minimize the environmental impacts of blasting, such as ground vibration, fly rocks, and excessive dust generation confirming to the safety norms of DGMS.</p>
vii.	<p>PP to construct a Motorable road between the Hawati to</p>	

	Makardhokra within 1 year.	A blacktop road connecting Hewati village to Makardhokra village was constructed by the State Government. This road does not fall under the mining area and will not be affected in future also.																				
viii.	PP shall submit allocated fund for wildlife conservation plan within six months and compliance of the same should be submitted to Ministry's IRO.	<p>For protection and conservation of Schedule-I species (Varanus Bengalensis - Indian Monitor Lizard/ Ghorpad), a conservation plan has been prepared with a budgetary provision of Rs 14.00 lakhs and the same is submitted to the Office of Dy. Conservator of Forest, Nagpur Forest Division vide letter dated WCL/UA/AGM/ENV/2021/9095 dated 19-03-2021 and compliance of the query on 08-11-2024 and further resubmitted to DFO vide letter dated 18-02-2026.</p> <p>The demand notice yet to be received from State Forest Department. The amount as per the demand note will be deposited to State Govt. without fail.</p> <p>The compliance of the same will be submitted to RO, MoEFCC.</p>																				
ix.	PP shall plant additional 1,50,000 trees (other than already stipulated in earlier EC) in mine and by acquiring new land near villages and mark this as developed by M/s WCL for maintenance and authentication by IRO within 2 years. Further, separately 50 mts width peripheral tree plantation as committed shall be completed within 2 years.	<p>Mine commenced in the year 2015, till date 1,52,500 nos. of saplings planted covering an area of 61.10 ha. within 614.69 ha.</p> <p>The details are placed below:</p> <table border="1"> <thead> <tr> <th>Year</th> <th>No. of saplings planted</th> <th>Covering an area in ha.</th> <th>Location details</th> </tr> </thead> <tbody> <tr> <td>2025-26</td> <td>17,500</td> <td>7.0</td> <td>Along Mine boundary near Kanhwa Village</td> </tr> <tr> <td>2024-25</td> <td>30000</td> <td>12.0</td> <td>OB dump top</td> </tr> <tr> <td>2023-24</td> <td>22500</td> <td>9.0</td> <td>Along project boundary on the south western side before Khursapar Village.</td> </tr> <tr> <td>2022-23</td> <td>40500</td> <td>16.20</td> <td>Along project boundary on the south easter side before Kanwha Village.</td> </tr> </tbody> </table>	Year	No. of saplings planted	Covering an area in ha.	Location details	2025-26	17,500	7.0	Along Mine boundary near Kanhwa Village	2024-25	30000	12.0	OB dump top	2023-24	22500	9.0	Along project boundary on the south western side before Khursapar Village.	2022-23	40500	16.20	Along project boundary on the south easter side before Kanwha Village.
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x.	PP shall construct two additional water harvesting pond with the concurrence of gram Panchayat (other than already stipulated in earlier EC) within 2 years.	<p>The artificial recharge measures undertaken in the neighboring area is summarized as below:</p> <ul style="list-style-type: none"> <li>• Desilting of existing Pond at Shirpur village.</li> <li>• Excavation of new pond at Dava village.</li> </ul> <p>Further, construction of 01 pond was completed in March' 2023 in Udasa village (Departmentally). Work order issued for Deepening and beautification of Shirpur village pond vide letter dated 06-04-2022. However, could not be completed due to objection from villagers</p> <p>Additionally, 02 nos. of pond construction in Ghoturli village is being taken during FY 2026-27.</p>												
xi.	PP shall install wind shield around the railway siding to prevent movement of dust through wind to sensitive areas like school, hospital etc.	<p>The condition regarding installation of wind shields around the railway siding to prevent dust movement towards sensitive receptors is complied with as follows:</p> <p>Rapid Loading System (RLS) comprising Belt Conveyor and Silo System has been commissioned in the adjacent mine i.e Dinesh OC Mine. The Truck Receiving Station, belt conveyor and silo system are enclosed/covered with side cladding to control fugitive dust emissions.</p>												

		<p>Further, the off-pit belt conveyor for transportation of coal from MKD-I OC Mine to the silo with side cladding is also under construction.</p> <p>Further, transportation of coal through the railway siding is proposed to be discontinued by July 2026, as major quantity of coal produced is proposed to be transported through the belt conveyor with silo system.</p> <p>The RLS significantly minimizes air pollution arising from loading, unloading and transportation activities.</p> <p>Moreover to control fugitive dust emissions during coal transportation through road and at railway siding/CHP area, the following dust suppression measures are being implemented:</p> <ul style="list-style-type: none"> <li>• Green belt (avg width of 10 m and length of 1800 m) has been developed at railway siding which acts as a wind shield.</li> <li>• 150 nos of Water sprinklers nozzles have been provided at crusher hopper and conveyor transfer points of CHPs at the siding.</li> <li>• Side cladding along the conveyor of CHP is also provided.</li> <li>• Water sprinklers at hopper and conveyor of the crusher of CHP provided at Siding.</li> <li>• 2 Nos of mobile water tankers of 28 KL capacity are in operation at siding.</li> <li>• 03 nos. of fog cannons have been deployed near CHP.</li> <li>• 11 nos. of sprinklers provided at Railway siding.</li> </ul> <ul style="list-style-type: none"> <li>• Automatic tyre washing system is installed at main check post of Umrer Area which is common exit point for all coal transportation truck leaving mining lease area of WCL.</li> <li>• Drills are fitted with water sprinkling arrangement / with dust extractors.</li> <li>• Regular covering of tarpaulin for Coal Transport Truck.</li> </ul>
xii.	PP shall obtain No Objection Certificate (NOC) for extraction of Ground Water from Central Ground Water Authority for expansion capacity.	<p>NOC from CGWA has been secured for abstracting / dewatering of Ground Water (NOC No. CGWA/ NOC/ MIN/ ORIG/ 2020/ 8139) which was valid up to 08/06/2022. 1<sup>st</sup> &amp; 2<sup>nd</sup> Renewal applications has been submitted to CGWA through NOCAP portal on 07/06/2022 and 09/06/2024 respectively which is under process.</p> <p>A copy of CGWA NOC along with Approved status of Renewal application is enclosed as <b>Annexure-VII</b>.</p>
xiii.	Sewage treatment plant for industrial sewerage of capacity 25 KLD shall be installed by March 2023.	The domestic sewage treatment plant of Capacity 0.3 MLD based on Phytoid technology has been provided in the combined township at Umrer where employees of the Makardhokda-I OC project reside.

<p>xiv.</p>	<p>PP to provide drinking water facilities like installation of RO with proper water supply pipe fittings to nearby rural areas and also to install hand pumps by seeking consent from Panchayat of the nearby villages within two years. A copy of consultation proof shall be submitted to IRO, MoEF &amp; CC within 1 month from date of issue.</p>	<p>Drinking water facilities are provided in nearby villages namely Waigaon- Ghoturli Village, Shirpur village, Makardhokra Viilage, Piraya Village, Kanwa Village, Shirpur Village.</p> <p>The works are executed with due consultation/ requirement of local bodies.</p> <p>Details of drinking water facilities provided in the neighbouring villages in the last 3 years are given below:</p> <ul style="list-style-type: none"> <li>• Provision RO plant (1000 LPH) at Gram Panchayat campus of Waigaon - Ghoturli Village.</li> <li>• Provision of drinking water arrangement with a submersible pump bore well &amp; pipeline at Shirpur Village.</li> <li>• RO plant of 1000 LPH and 25.0 LPH has been provided at Makardhokra Gram Panchayat and Makardhokra ZP School respectively.</li> <li>• Provision RO plant (1000 LPH) at Gram Panchayat Piraya Village.</li> <li>• RO plant of 25 LPH capacity provided at ZP School, Kanwa village.</li> <li>• RO plant installed at Heovti Village.</li> </ul> <p>In the future also, drinking water facilities will be provided in due consultation/requirement of local bodies of the villages.</p>																								
<p>xv.</p>	<p>PP to install solar lights within 1 year from the grant of this EC along the road used for transportation of minerals to avoid the accidents at night and also seek its maintenance.</p> <p>PP to also install solar light with its maintenance within the study area of 10 km radius buffer zone within one year.</p>	<p>Adequate lighting arrangements are provided in mine premises to meet DGMS standards. These are monitored regularly by a lux meter. The lights are being maintained on regular basis/ replaced as per requirement.</p> <p>Solar lights, pumps, panels have been provided in the neighboring villages. The details are placed below:</p> <table border="1" data-bbox="560 1260 1068 1554"> <thead> <tr> <th>S.N</th> <th>Item</th> <th>Village</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Solar pump</td> <td>Khursapur</td> </tr> <tr> <td>2</td> <td>Solar High mast</td> <td>Ghoturli and Shirpur</td> </tr> <tr> <td>3</td> <td>Solar pump</td> <td>Murpar</td> </tr> <tr> <td>4</td> <td>Solar panel</td> <td>Bhagwanpur</td> </tr> <tr> <td>5</td> <td>Solar lamp post</td> <td>Besur</td> </tr> <tr> <td>6</td> <td>Solar pump</td> <td>Shivapur</td> </tr> <tr> <td>7</td> <td>Solar pump</td> <td>Besur</td> </tr> </tbody> </table>	S.N	Item	Village	1	Solar pump	Khursapur	2	Solar High mast	Ghoturli and Shirpur	3	Solar pump	Murpar	4	Solar panel	Bhagwanpur	5	Solar lamp post	Besur	6	Solar pump	Shivapur	7	Solar pump	Besur
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<p>xvi.</p>	<p>PP to install 1 more continuous ambient air quality monitoring stations at suitable locations preferably village side and with consultation of SPCB. The real time data so generated shall be</p>	<p>2 nos of Continuous Ambient Air Quality Monitoring station (CAAQMS) are in operation.</p> <ol style="list-style-type: none"> <li>1. One at the common mine boundary of Makardhokra-I OC and Makardhokra-III OC, set up in consultation with MPCB.</li> <li>2. Second CAAQMS has been installed and commissioned within MKD-I OC.</li> </ol> <p>Both the CAAQMs are connected to MPCB server. The real-time data is being displayed on the Company website and also on the CIL</p>																								

	<p>uploaded on company website. In addition, data should also be displayed digitally at entry and exit gate of mine lease area for public display.</p>	<p>Server. The digital display board has also been provided for public display – real-time data.</p> <p>The display board is installed at the mine entry near Manager office and also uploaded onto Company website.</p> <p><a href="https://apps.coalindia.in/ords/f?p=159:11:4858505577641::::">https://apps.coalindia.in/ords/f?p=159:11:4858505577641::::</a></p> <p>Further, an 1 no. of additional CAAQMS has been procured vide GeM order dated 04-03-2026. Installation and commissioning is under progress. A copy of the order is enclosed as <b>Annexure-VIII</b>.</p>
xvii.	<p>PP to take grassing and vegetation of OB dump and PP must explore the possibilities of utilization of OB material for different purposes (in construction of roads / manufacture of artificial sand, aggregates / use for farmers etc.) and accordingly.</p>	<p>The mine is presently operational. As per the approved Mining Plan and EIA-EMP, backfilling, grassing and plantation activities are being undertaken progressively to ensure stabilization and reclamation of OB dump areas</p> <p>Plantation over the OB dump has already been undertaken. Till date, about 60,000 saplings have been planted covering an area of 24 ha. Further plantation and vegetation development activities shall be carried out progressively as per the plantation programme envisaged in the approved Mining Plan and EIA-EMP.</p> <p>Regarding utilization of OB material, it is submitted that due to comparatively low silica content in the OB material, segregation and processing for manufacture of artificial sand is presently not feasible. However, OB material is being utilized for construction of embankments, and possibilities for its utilization in road construction are also being explored. Further, the OB material shall be made available to farmers, if required and found suitable for such use.</p>
xviii.	<p>The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights / masks away from the villagers and keeping the noise levels well within the</p>	<p>Adequate measures are being implemented for control of noise levels due to mining activities.</p> <p>For noise control, preventive maintenance of HEMM and other equipment is carried out regularly, vibration pads are provided at the base of equipment wherever required.</p> <p>In addition, plantation/green belt development are being undertaken around the project area to act as a sound barrier.</p> <p>Further, flood lights are oriented and masked appropriately to avoid direct illumination towards nearby villages and to minimize disturbance to nearby habitations during night hours.</p> <p>Noise monitoring and illumination surveys in the work zone is being carried out regularly to comply with the DGMS norms.</p> <p>Ambient noise level monitoring stations have been established at Shirpur and Hewati villages. The monitored noise levels are within the prescribed limits.</p> <p>A copy of latest reports are enclosed as <b>Annexure-IX</b>.</p>

	prescribed limits for day light / night hours.	
<b>4.1</b>	<b>General conditions</b>	
<b>(a)</b>	<b>Statutory Compliance</b>	
(i)	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.	Not applicable as no forest land is involved.
(ii)	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not applicable as the project does not comes under any ESZ/Eco Park/Wildlife sanctuary etc.
(iii)	The project proponent shall prepare a Site-Specific Conservation Plan/ Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan/ Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-I species in the study area).	<p>For protection and conservation of Schedule-I species (Varanus Bengalensis - Indian Monitor Lizard/ Ghorpad), a conservation plan has been prepared with a budgetary provision of Rs 14.00 lakhs and the same is submitted to the Office of Dy. Conservator of Forest, Nagpur Forest Division vide letter dated WCL/UA/AGM/ENV/2021/9095 dated 19-03-2021 and compliance of the query on 08-11-2024 and further resubmitted to DFO vide letter dated 18-02-2026.</p> <p>The demand notice yet to be received from State Forest Department. The amount as per the demand note will be deposited to State Govt. without fail.</p> <p>The compliance of the same will be submitted to RO, MoEFCC.</p>
(iv)	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of	<p>Consent to Establish for 4.2 MTPA has been secured from MPCB vide letter no: Format1.0/CAC/UAN No.MPCB CONSENT-0000133816/CO/2203001248 dated 24.03.2022.</p> <p>CTO has been obtained vide letter no. Format1.0/CAC/UAN No.MPCB CONSENT-0000269190/CR/2604002170 dated 22.04.2026 with validity upto 31-03-2028. Copy enclosed as <b>Annexure-II.</b></p>

	Pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.	
(v)	The project proponent shall obtain the necessary permission from the Central Ground Water Authority.	Details provided at Specific condition no. A xii. of EC dated 21.03.2022.
(vi)	Solid/ Hazardous waste generated in the mines needs to addressed in accordance to the Solid Waste Management Rules, 2016/ hazardous & Other Waste Management Rules, 2016.	<p>Hazardous waste generated in the mines is being stored and disposed off as per the hazardous &amp; Other Waste Management Rules, 2016</p> <p>The disposal of hazardous waste was carried out through an MPCB authorized TSDF facility.</p> <p>Copy of Annual returns for Hazardous waste (Form-IV) for the FY 2024-25 is enclosed as <b>Annexure-X</b>.</p>
<b>(b)</b>	<b>Air Quality Monitoring and Preservation</b>	
(i)	Continuous Ambient Air Quality Monitoring Stations as prescribed in the statue be established in the Core Zone as well as in the Buffer zone for monitoring of pollutants, namely PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> and NO <sub>x</sub> . Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board. Online Ambient Air Quality Monitoring stations may also be installed in addition to the regular monitoring stations as per the requirement and/or in consultation with the SPCB. Monitoring of Heavy Metals such as Hg, As,	<p>Five nos. of ambient air quality monitoring stations have been established in core and buffer zone in consultation with MPCB Officials. Considering meteorological data, Topographical features and environmentally and ecologically sensitive targets which are as follows:</p> <ul style="list-style-type: none"> <li>• Pit Office</li> <li>• Sirpur Village</li> <li>• Kalmana Village</li> <li>• Khursapur Village</li> <li>• Heoti Village</li> </ul> <p>The Environmental Monitoring Report in respect of Makardhokra-1 OC is enclosed (Annexure-IX).</p> <p>Two Online Continuous Ambient Air Quality Monitoring Station (CAAQMS) has also been set up in consultation with MPCB and are in operation.</p> <p>Additionally, for procurement of 1 no. of CAAQMS is in the process. Supply order GeM order dated 04-03-2026. Installation and commissioning is under progress. A copy of the order is enclosed as Annexure- VIII.</p> <p>Monitoring of heavy metals is being carried out once in six months by CMPDIL is enclosed as (<b>Annexure –XI</b>).</p>

	Ni, Cd, Cr etc to be carried out at least once in six months.	
(ii)	The Ambient Air Quality Monitoring in the core zone shall be carried out to ensure the Coal Industry Standards notified vide GSR 742(E) dated 25 <sup>th</sup> September, 2000 and as amended from time to time by the Central Pollution Control Board. Data on ambient air quality and heavy metals such as Hg, As, Ni, Cd, Cr and other monitoring data shall be regularly reported to the Ministry/Regional Office and to the CPCB/SPCB.	Details provided at General Conditions Air quality monitoring and preservation b(ii) of EC dated 21.03.2022.
(iii)	Transportation of coal, to the extent permitted by road and till the time granted in specific conditions as per recommendation of EAC, shall be carried out by covered trucks/conveyors. Effective control measures such as regular water/ mist sprinkling/ rain gun etc shall be carried out in critical areas prone to air pollution (with higher values of PM 10 /PM 2.5) such as haul road, loading/ unloading and transfer points. Fugitive dust emissions from all sources shall be controlled regularly. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central/ State Pollution Control Board.	<p>All the vehicles transporting coal are properly covered with tarpaulin and are loaded within permissible limit.</p> <p>To control fugitive dust emissions from crushing, conveying, and coal handling operations, adequate pollution control measures have been implemented at the CHP and associated facilities.</p> <ul style="list-style-type: none"> <li>• 150 nos of Water sprinklers nozzles have been provided at crusher hopper and conveyor transfer points of CHPs at the siding.</li> <li>• Side cladding along the conveyor of CHP is also provided.</li> <li>• Water sprinklers at hopper and conveyor of the crusher of CHP provided at Siding.</li> <li>• 2 Nos of mobile water tankers of 28 KL capacity, 2 Nos of 10 KL Capacity. 1 no of 20 KL and 5 nos. of 12 KL are in operation at haul road, coal transportation road, coal stock yard, siding.</li> <li>• 10 nos. of fog cannons have been deployed near crushers, around coal stock yard.</li> <li>• 11 nos. of sprinklers provided at Railway siding.</li> <li>• 19 nos. of sprinklers provided along coal stock approach and weigh bridge.</li> <li>• 90 nos. of sprinklers provided along coal transportation road.</li> <li>• Automatic tyre washing system is installed at main check post of Umrer Area which is common exit point for all coal transportation truck leaving mining lease area of WCL.</li> </ul>

		<ul style="list-style-type: none"> <li>• Drills are fitted with water sprinkling arrangement / with dust extractors.</li> </ul> <p>Regarding monitoring of air quality, it is submitted that, regular monitoring is being carried out as per GSR 742 (E) and 2 nos. of CAAQMS have been commissioned for real time monitoring and air quality parameters are within the permissible limits. <b>Annexure- IX.</b></p>
(iv)	<p>Transportation of the coal as mentioned in specific conditions and as per recommendation of EAC through the existing road passing through any village shall be avoided. In case, it is proposed to construct a 'bypass' road, it should be so constructed so that the impact of sound, dust and accidents could be appropriately mitigated.</p>	<p>The transportation of coal is carried out as per the provisions and route proposed in the approved mining plan.</p> <p>Approx. 75 - 80% coal is transported through rail siding and RLS of Dinesh OC to all the major consumers. The remaining 20 – 25% coal is transported through covered trucks. The coal transportation road is properly maintained and it is directly connected to State Highways (BT road).</p> <p>There is no village in the mine lease area and coal is not transported through any village/ habitation there is no need for bypass road.</p>
(v)	<p>Vehicular emissions shall be kept under control and regularly monitored. All the vehicles engaged in mining and allied activities shall operate only after obtaining 'PUC' certificate from the authorized pollution testing centres.</p>	<p>As per the present practice, the PUC certificate is obtained for all vehicles and the same shall be continued.</p> <p>Copy of PUC certificates is enclosed (<b>Annexure-XII</b>).</p>
(vi)	<p>Coal stock pile/ crusher/ feeder and breaker material transfer points shall invariably be provided with dust suppression system. Belt- conveyors shall be fully covered to avoid air borne dust. Side cladding all along the conveyor shall be fully covered to avoid air borne dust. Drills shall be wet operated or fitted with dust extractors.</p>	<p>Details provided at General conditions Air Quality Monitoring and Preservation b(iii) of EC dated 21.03.2022.</p>

(vii)	Coal handling plant shall be operated with effective control measures w.r.t. various environmental parameters. Environmental friendly sustainable technology should be implemented for mitigating such parameters.	Details provided at General conditions Air Quality Monitoring and Preservation b(iii) of EC dated 21.03.2022.
<b>(c)</b>	<b>Water Quality Monitoring and Preservation</b>	
(i)	The effluent discharge (Mine Water, Workshop effluent) shall be monitoring in terms of the parameters notified under the Water Act, 1974 Coal Industry Standards vide GSR 742 (E) dated 25.9.2000 and as amended from time to time by the Central Pollution Control Board.	The quality of mine discharge water is monitored on fortnightly basis as per GSR 742 (E) of dated 25.09.2000.  Copy of Monitoring Report is enclosed as (Annexure-IX).
(ii)	The monitoring data shall be updated on the company's website and displayed at the project site. The circular No: J-20012/1/2006-IA.1I (M) dated 27 <sup>th</sup> May 2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.	Environment monitoring reports are being sent to R.O, MoEF, Nagpur and MPCB on regular basis and the same is being displayed on the company website also. <a href="https://westerncoal.in/en/departments/environment/compliance-report">https://westerncoal.in/en/departments/environment/compliance-report</a>
(iii)	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The	Regular monitoring of ground water level from existing wells at 27 locations of Buffer zone is being done for four times a year i.e. during pre-monsoon (May), monsoon (August), post-monsoon (November), and winter (January).  Quality of groundwater as per IS: 10500: 2012 is analyzed for 27 locations in Buffer zone once a year.

	<p>monitoring of ground water levels shall be carried out four times a year i.e. pre-monsoon, monsoon, post-monsoon and winter. The ground water quality shall be monitored once year, and the data thus collected shall be sent regularly to MOEFCC/RO.</p>	<p>Ground water level and quality monitoring report is sent to R.O., MoEF&amp; CC, Nagpur and CGWA on regular basis. Ground water monitoring report is enclosed (<b>Annexure-XIII</b>).</p> <p>In compliance with the condition stipulated in the NOC for ground water abstraction issued by CGWA, 2 nos of piezometers are installed in core zone for continuous monitoring of ground water level.</p> <p>Data is regularly submitted to MoEF&amp; CC along with six monthly compliance report.</p>
(iv)	<p>Monitoring of water quality upstream and downstream of water bodies shall be carried out once in six months and record of monitoring data shall be maintained and submitted to the Ministry of Environment, Forest and Climate Change/Regional Office.</p>	<p>Water quality of Amb river is monitored regularly as per GSR 742 (E) dated 25.05.2000 and report is sent to Ministry of Environment, Forest and Climate Change / Regional Office along with the EC compliance report.</p> <p>Copy of the surface water monitoring report is enclosed as (Annexure-XIV).</p>
(v)	<p>Ground water, excluding mine water, shall not be used for mining operations. Rainwater harvesting shall be implemented for conservation and augmentation of ground water resources.</p>	<p>Ground water, excluding mine water, is not being used for mining operations. Mine water pumped out from the mine is being utilized for mining and allied activities such as dust suppression, washing of HEMM, plantation, and other industrial purposes.</p> <p>Further, rainwater harvesting and artificial groundwater recharge measures have been implemented for conservation and augmentation of groundwater resources. The details are as under:</p> <ul style="list-style-type: none"> <li>• Roof Top Rain Water Harvesting system has been installed at Area General Manager's Office, Umrer Area, with an estimated groundwater recharge potential of about 818 m<sup>3</sup>/year.</li> <li>• A Check Dam has been constructed near Lal Puliya Railway Bridge for groundwater recharge and water conservation. The dimensions of the check dam are 55 m length and 1.2 m height from the river bed. The estimated groundwater recharge potential is of about 31,350 m<sup>3</sup>/year.</li> </ul>
(vi)	<p>Catch/ garland drains and siltation ponds in adequate numbers and appropriate size shall be constructed around the mine working, coal heaps &amp; OB dumps to prevent run off of water</p>	<p>To arrest flow of silts and sediments, garland drains/ catch drains have been constructed and maintained. Garland drains/catch drains of length 3.40 Km is provided around the quarry (top width 2 m, bottom width 1 m &amp; height 1 m) which are desilted before onset of every monsoon.</p> <p>The silt and sediment from OB benches are guided through cross drainage into the mine sump having sufficient capacity to allow settlement of suspended particles.</p>

	<p>and flow of sediments directly into the river and water bodies. Further, dump material shall be properly consolidated/ compacted and accumulation of water over dumps shall be avoided by providing adequate channels for flow of silt into the drains. The drains/ponds so constructed shall be regularly desilted particularly before onset of monsoon and maintained properly.</p> <p>Sump capacity should provide adequate retention period to allow proper settling of silt material. The water so collected in the sump shall be utilised for dust suppression and green belt development. Dimension of the retaining wall constructed, if any, at the toe of the OB dumps within the mine to check run-off and siltation should be based on the rainfall data. The plantation of native species to be made between toe of the dump and adjacent field/habitation/water bodies.</p>	<p>The drain and sump sizes are based on the previous rainfall data of the area.</p>
(vii)	<p>Adequate groundwater recharge measures shall be taken up for augmentation of ground water.</p>	<p>Rainwater harvesting and artificial groundwater recharge measures have been implemented for conservation and augmentation of groundwater resources. The details are as under:</p> <ul style="list-style-type: none"> <li>• Roof Top Rain Water Harvesting system has been installed at Area General Manager's Office, Umrer Area, with an estimated groundwater recharge potential of about 818 m<sup>3</sup>/year.</li> <li>• A Check Dam has been constructed near Lal Puliya Railway Bridge for groundwater recharge and water conservation. The dimensions of the check dam are 55 m length and 1.2 m</li> </ul>

	<p>The project authorities shall meet water requirement of nearby village(s) after due treatment conforming to the specific requirement (Standards)</p>	<p>height from the river bed. The estimated groundwater recharge potential is of about 31,350 m<sup>3</sup>/year.</p> <p>Details of Drinking Water facilities provided in the nearby villages:</p> <ul style="list-style-type: none"> <li>• Provision RO plant (1000 LPH) at Gram Panchayat campus of Waigaon - Ghoturli Village.</li> <li>• Provision of drinking water arrangement with a submersible pump bore well &amp; pipeline at Shirpur Village.</li> <li>• RO plant of 1000 LPH and 25.0 LPH has been provided at Makardhokra Gram Panchayat and Makardhokra ZP School respectively.</li> <li>• Provision RO plant (1000 LPH) at Gram Panchayat Piraya Village.</li> <li>• RO plant of 25 LPH capacity provided at ZP School, Kanwa village.</li> <li>• RO Plant of 1000 LPH capacity provided at Heoti Village.</li> </ul>
(vii)	<p>Industrial waste water generated from CHP, Workshop and other waste water, shall be properly collected and treated so as to conform to the standards prescribed under the standards prescribed under Water Act 1974 and Environment (Protection) Act,1986 and the Rules made there under, and as amended from time to time. Adequate ETP/STP needs to be provided</p>	<p>Details provided at General condition Water Quality Monitoring and Preservation C(i) of EC dated 21.03.2022.</p>
(viii)	<p>The water pumped out from the mine, after siltation, shall be utilized for industrial purpose viz. watering the mine area, roads, green belt development etc.</p> <p>The drains shall be regularly desilted particularly after monsoon and maintained properly.</p>	<p>The strata seepage water gets first accumulated in the mine sump made at the floor of the seam. The sump capacity is adequate (135 million gallons) to provide sufficient time for settlement of suspended particles. The supernatant water from the sump is then pumped out on surface and fed into the surface sedimentation tank. The sedimentation tank of size 30 m x 8 m x 2.5 m (Capacity: 600m<sup>3</sup>) is provided for treatment of mine discharge, this mine water is used for industrial purposes such as dust suppression, firefighting and plantation etc.</p> <p>Garland drains/ catch drains of length 3.40 Km is provided around the quarry (top width 2 m, bottom width 1 m &amp; height 1 m) which are being desilted before onset of every monsoon.</p>

(ix)	<p>The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations, considering the presence of any river/rivulet/ pond/lake etc., shall be prepared and implemented by the project proponent. The surface drainage plan and/or any diversion of natural water courses shall be as per the approved Mining Plan/EIA/EMP report and with due approval of the concerned State/Gol Authority.</p> <p>The construction of embankment to prevent any danger against inrush of surface water into the mine should be as per the approved Mining Plan and as per the permission of DGMS or any authority as prescribed by the law.</p>	<p>The surface drainage plan, considering the presence of nearby river/rivulet/ponds and other water bodies, has been prepared and is being implemented as per the approved Mining Plan, EMP and provisions of CMR, 2017, to withstand peak surface runoff and prevent mine inundation.</p> <p>The HFL of Amb river is 274.68 meters at railway bridge and 270.63 meters at PWD bridge above mean sea level.</p> <p>Accordingly, an embankment has been constructed along the Amb River boundary to safeguard the mine against surface water ingress. The embankment height has been maintained at 6.0 m above the HFL, with a width of 30.0 m, which is adequate to withstand peak flood flow conditions and prevent inundation of the mine.</p> <p>The diversion of nallah will be carried out only with due permission from State Water Resource Department.</p> <p>Further, the embankment has been adequately strengthened and maintained as per approved mining provisions and DGMS guidelines.</p> <p>In addition, during monsoon season, continuous 24×7 monitoring is carried out through round-the-clock control room surveillance and regular physical inspection to prevent any danger due to inrush of surface water into the mine.</p>
(x)	<p>The project proponent shall take all precautionary measures to ensure riverine/riparian ecosystem in and around the coal mine up to a distance of 5 Km. A riverine/riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation/ water resource department in the state government.</p>	<p>All precautionary measures are taken to ensure riverine /riparian ecosystem in and around the mine. Riverine /riparian ecosystem conservation and management plan has been prepared and being implemented. Copy enclosed as Annexure-XV.</p>

<b>(d)</b>	<b>Noise and Vibration Monitoring and prevention</b>	
(i)	Adequate measures shall be taken for control of noise levels as per Noise Pollution Rules, 2016 in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with personal protective equipments (PPE) like ear plugs/ muffs in conformity with the prescribed norms/ guidelines in this regard. Adequate awareness programme for users to be conducted. Progress in usage of such accessories to be monitored.	Details provided at Specific condition 4(xviii) of EC dated 21.03.2022.
(ii)	Controlled blasting techniques shall be practiced in order to mitigative ground vibrations and fly rocks, noise and air blast etc., as per the guidelines prescribed by the DGMS.	Details provided at Specific condition 4(vi) of EC dated 21.03.2022.
(iii)	The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises and report in this regard shall be submitted to the Ministry/ RO on six-monthly basis.	Details provided at Specific condition 4(xviii) of EC dated 21.03.2022.
<b>(e)</b>	<b>Mining Plan</b>	

(i)	Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there– under as applicable.	Mining is being carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there under as applicable.
(ii)	Mining shall be carried out as per the approved mining plan (including mine closure plan) abiding by mining laws related to coal mining and the relevant circulars issued by Directorate General Mines Safety (DGMS).	Mining is being carried out as per the approved mining plan as well as by abiding to the relevant laws related to coal mining and the circulars issued by Directorate General Mines Safety (DGMS).
(iii)	No mining activity shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980.	Not applicable. There is no forest land in the mine lease area (614.69 Ha) of Project.
(iv)	Efforts should be made to reduce energy and fuel consumption by conservation, efficiency improvements and use of renewable energy.	<p>Efforts are being made for the uses of Solar energy and conventional light bulbs are replaced by LEDs to reduce energy consumption.</p> <p>01 no of 40 KWp On-Grid-Connected Roof Top Mounted solar power plant is installed at AGM Office of Umrer area and 01 no of 12 KWp On-Grid-Connected Roof Top Mounted solar power plant is installed at Area Hospital, Umrer Area.</p> <p>01 no of 2 KWp roof top solar power plant has been installed at Manager office.</p> <p>All conventional lighting fixtures and fans have been replaced with energy-efficient LED lights, BLDC fans, EV vehicles are deployed resulting in significant reduction in energy consumption.</p>
<b>(f)</b>	<b>Land Reclamation</b>	
(i)	Digital survey of entire lease hold area/ core zone using Satellite Remote Sensing Survey shall be carried out at least once in three years for monitoring land use	Digital processing of the entire lease area using Remote sensing technique is done every year by CMPDIL. Land Restoration/ Reclamation monitoring report (March 2025) of Makardhokra – I OC mine based on satellite data for the year 2024 is enclosed (Annexure-XVI).

	<p>pattern and report in 1:50,000 scale or as notified by Ministry of Environment, Forest and Climate Change (MOEFCC) from time to time shall be submitted to MOEFCC/ Regional Office (RO).</p>	<p>Reports of which are available on WCL website. <a href="https://westerncoal.in/en/departments/environment/land-reclamation">https://westerncoal.in/en/departments/environment/land-reclamation</a></p> <p>The same is submitted to Ministry of Environment, Forest and Climate Change on regular basis along with six monthly compliance report.</p>				
(ii)	<p>The final mine void depth should preferably be as per the approved Mine Closure Plan, and in case it exceeds 40m, adequate engineering interventions shall be provided for sustenance of adequate life therein. The remaining area shall be backfilled and covered with thick and alive top soil. Post-mining land be rendered usable for agricultural/forestry purpose and shall be diverted. Further action will be treated as specified in the guidelines for preparation of mine closure plan issued by the ministry of coal dated 27<sup>th</sup> August, 2009 and subsequent amendments.</p>	<p>As per the approved Mining Plan, the total excavated area during the post mining stage will be 287 ha., out of which 90 ha. will be backfilled up to ground level and biologically reclaimed through afforestation.</p> <p>The remaining 197 ha. is proposed to be retained as mine void. However, it is further planned to utilize OB material from the proposed adjacent Makardhokra-IV OC Mine for backfilling of the void area in a phased manner, thereby reducing the final void extent and associated land degradation.</p> <p>Further, the external OB dump will occupy an area of 140 ha. and shall be stabilized through plantation and other scientific reclamation measures. Re-handling of the external OB dump is not envisaged in the approved Mining Plan.</p> <p>Till date, plantation of approximately 60,000 saplings covering an area of 24.19 ha. has been undertaken over the external OB dump for stabilization and ecological restoration.</p>				
(iii)	<p>The entire excavated area, backfilling, external OB dumping (including top soil) and afforestation plan shall be in conformity with the “during mining”/ “post mining” land-use pattern, which is an integral part of the approved Mining Plan and the EIA/EMP submitted to this Ministry. Progressive compliance status vis-a-vis the post mining</p>	<p>The excavated area after mining will be backfilled as per post mining land use plan in approved Mining Plan / EMP. Progressive compliance status of land use pattern is being submitted to MOEF&amp;CC along with the six monthly compliance report.</p> <p>Details of land Use plan during Mining vis-à-vis Post mining (as on 31/03/2026) is given below:</p> <table border="1" data-bbox="561 1661 1078 1850"> <tr> <td data-bbox="561 1661 618 1850">Sl. No.</td> <td data-bbox="618 1661 862 1850">Land use category</td> <td data-bbox="862 1661 959 1850">Status as on 31-03-2026</td> <td data-bbox="959 1661 1078 1850">Phase-I (2027-28)</td> </tr> </table>	Sl. No.	Land use category	Status as on 31-03-2026	Phase-I (2027-28)
Sl. No.	Land use category	Status as on 31-03-2026	Phase-I (2027-28)			

	<p>land use pattern shall be submitted to this Ministry. Progressive compliance status vis-à-vis the post mining land use pattern shall be submitted to the MOEF&amp;CC/RO.</p>	<table border="1"> <tr> <td data-bbox="553 176 613 302">1</td> <td data-bbox="613 176 862 302">Backfilled Area (not upto GL)</td> <td data-bbox="862 176 956 302">65.00</td> <td data-bbox="956 176 1073 302">90.00</td> </tr> <tr> <td></td> <td data-bbox="613 302 862 428">(Reclaimed with plantation)</td> <td data-bbox="862 302 956 428">0.00</td> <td data-bbox="956 302 1073 428">25.00</td> </tr> <tr> <td data-bbox="553 428 613 554">2</td> <td data-bbox="613 428 862 554">Quarry Area(Not reclaimed)/void (Reclaimed with plantation)</td> <td data-bbox="862 428 956 554">173.00</td> <td data-bbox="956 428 1073 554">197.00</td> </tr> <tr> <td data-bbox="553 554 613 659">3</td> <td data-bbox="613 554 862 659">External OB dump</td> <td data-bbox="862 554 956 659">20.00</td> <td data-bbox="956 554 1073 659">140.00</td> </tr> <tr> <td></td> <td data-bbox="613 659 862 785">(Reclaimed with plantation)</td> <td data-bbox="862 659 956 785">0.00</td> <td data-bbox="956 659 1073 785">40.00</td> </tr> <tr> <td data-bbox="553 785 613 911">4</td> <td data-bbox="613 785 862 911">Infrastructure+Roads+ Embankment</td> <td data-bbox="862 785 956 911">15.00</td> <td data-bbox="956 785 1073 911">15.00</td> </tr> <tr> <td></td> <td data-bbox="613 911 862 1037">(Reclaimed with plantation)</td> <td data-bbox="862 911 956 1037">0.00</td> <td data-bbox="956 911 1073 1037">3.00</td> </tr> <tr> <td data-bbox="553 1037 613 1163">5</td> <td data-bbox="613 1037 862 1163">Green belt</td> <td data-bbox="862 1037 956 1163">25.00</td> <td data-bbox="956 1037 1073 1163">25.00</td> </tr> <tr> <td data-bbox="553 1163 613 1289">6</td> <td data-bbox="613 1163 862 1289">Temporary Top Soil Dump</td> <td data-bbox="862 1163 956 1289">14.80</td> <td data-bbox="956 1163 1073 1289">14.80</td> </tr> <tr> <td></td> <td data-bbox="613 1289 862 1415">(Reclaimed with plantation)</td> <td data-bbox="862 1289 956 1415">0.00</td> <td data-bbox="956 1289 1073 1415">0.00</td> </tr> <tr> <td data-bbox="553 1415 613 1541">7</td> <td data-bbox="613 1415 862 1541" rowspan="2">Undisturbed area</td> <td data-bbox="862 1415 956 1541">281.89</td> <td data-bbox="956 1415 1073 1541">112.89</td> </tr> <tr> <td></td> <td data-bbox="862 1541 956 1667">36.10</td> <td data-bbox="956 1541 1073 1667">63.00</td> </tr> <tr> <td data-bbox="553 1667 613 1793">8</td> <td data-bbox="613 1667 862 1793">Land for Nala Diversion</td> <td data-bbox="862 1667 956 1793">20.00</td> <td data-bbox="956 1667 1073 1793">20.00</td> </tr> <tr> <td></td> <td data-bbox="613 1793 862 1919">Total</td> <td data-bbox="862 1793 956 1919">614.69</td> <td data-bbox="956 1793 1073 1919">614.69</td> </tr> <tr> <td></td> <td data-bbox="613 1919 862 2045">Total Plantation</td> <td data-bbox="862 1919 956 2045">61.10</td> <td data-bbox="956 1919 1073 2045">156.00</td> </tr> </table>	1	Backfilled Area (not upto GL)	65.00	90.00		(Reclaimed with plantation)	0.00	25.00	2	Quarry Area(Not reclaimed)/void (Reclaimed with plantation)	173.00	197.00	3	External OB dump	20.00	140.00		(Reclaimed with plantation)	0.00	40.00	4	Infrastructure+Roads+ Embankment	15.00	15.00		(Reclaimed with plantation)	0.00	3.00	5	Green belt	25.00	25.00	6	Temporary Top Soil Dump	14.80	14.80		(Reclaimed with plantation)	0.00	0.00	7	Undisturbed area	281.89	112.89		36.10	63.00	8	Land for Nala Diversion	20.00	20.00		Total	614.69	614.69		Total Plantation	61.10	156.00	
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(iv)	<p>Fly ash shall be used for external dump of overburden, backfilling, or stowing of mine as per provisions contained in clause (i) and (ii) of sub paragraph (8) of fly ash notification issued vide SO 2804 (E) dated 3<sup>rd</sup> November, 2009 as amended from time to time. Efforts shall be made to utilize gypsum generated from of overburden, backfilling of mines. Compliance report shall be</p>	<p>Mine has commenced its mining operations in FY 2014–15. Presently, the mine is under operation with a mine life up to FY 2027–28 and is further proposed for expansion. As per the guidelines/SOP of CIL, fly ash filling in mines is generally undertaken in abandoned/decoaled mine voids only. At present, no abandoned mine void available for fly ash filling within the project area. Hence, fly ash utilization for external OB dump, backfilling has not been undertaken so far.</p> <p>Compliance status in this regard shall be submitted to the MOEFCC, CPCB and MPCB along with half yearly compliance report.</p>																																																												

	submitted to Regional Office of MOEF&CC, CPCB and SPCB.	
(v)	<p>Further, it may be ensured that as per the time schedule specified in mine closure plan it should remain live till the point of utilization. The topsoil shall temporarily be stored at earmarked site(s) only and shall not be kept unutilized. The top soil shall be used for land reclamation and plantation purposes. Active OB dumps shall be stabilised with native grass species to prevent erosion and surface run off. The other overburden dumps shall be vegetated with native flora species. The excavated area shall be backfilled and afforested in line with the approved Mine Closure Plan. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment, Forest and Climate Change/ Regional Office.</p>	<p>The detailed Final Mine Closure Plan has been incorporated in the approved Project Report along with a provision of Corpus Fund. The Escrow Account has been opened, progressive balance as on 30/09/2025 is Rs. 1,04,00,52,347.82.</p> <p>Dumping of useful top soil is being done at earmarked site with proper slope. This soil will be used for reclamation and development of green belt.</p> <p>Till date 1,52,500 nos. of saplings planted covering an area of 61.10 ha.</p>
(vi)	<p>The project proponent shall make necessary alternative arrangements, if grazing land is involved in core zone, in consultation with the State Government to provide alternate area for livestock grazing, if</p>	<p>There is no grazing land in the core zone of the project. So, there is no necessity of making alternate arrangement for livestock grazing.</p>

	any. In this context, the project proponent shall implement the directions of Hon'ble Supreme Court with regard to acquiring grazing land.	
<b>(g)</b>	<b>Green Belt</b>	
(i)	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered/endemic flora/fauna, if any, spotted/reported in the study area. Action plan, in this regard, if any, shall be prepared and implemented in consultation with the State Forest and Wildlife Department.	. Details provided at Specific conditions 4 (viii) of EC dated 21.03.2022.
(ii)	Greenbelt, consisting of 3-tier plantation, of width not less than 7.5m, shall be developed all along the mine lease area in a phased manner.  The green belt comprising of a mix of native species shall be developed all along the major approach / coal transportation roads.	Details provided at Specific conditions 4 (ix) of EC dated 21.03.2022.  Planted species include: • Fruit Bearing Tree Species: Jamun, Imli, Ganga Imli, Bel, Mango, Sitaphal etc., • Medicinal / Herbal Plants: Neem, Karanj, Harra, Bahera, Aonla (Amla), Arjun, Shekakai, Kusum, Mahua, etc. • Timber Value Trees: Teak, Shivan / Ghamar, Sissoo, Kala Sirus, SafedSirus, Bamboo, etc. • Ornamental / Avenue Plants (by the side of roads and colonies): Kachnar, Gulmohar, Amaltas, Saptaparni, Gravalia, Peepal, Palm tree etc.
<b>(h)</b>	<b>Public hearing and Human health issues</b>	
(i)	Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored weekly. The report on the same shall be submitted to this	Adequate lighting arrangements are provided in mine premises to meet DGMS standards. These are monitored regularly by lux meter.  The latest illumination report is enclosed as <b>Annexure- XVII</b> .

	<p>ministry &amp; its RO on six-monthly basis.</p>	
<p>(ii)</p>	<p>The project Proponent shall undertake occupational health survey for initial and periodical medical examination of the personnel engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS Circulars. Besides regular periodic health check-up, 20% of the workers identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, as amended time to time.</p>	<p>The condition regarding periodic health check-up and monitoring of occupational diseases and hearing impairment among workers engaged in active mining operations is being complied with through a well established Occupational Health Management System of WCL.</p> <p>As per the provisions of the Mines Act, 1952 and applicable statutory guidelines, Periodical Medical Examination (PME) is carried out compulsorily for all employees once in every five years for detection, monitoring and maintenance of health records, with special emphasis on occupational diseases including Coal Workers' Pneumoconiosis (CWP), Chronic Obstructive Pulmonary Disease (COPD) and hearing impairment. In addition, Initial Medical Examination (IME) is conducted for newly inducted employees.</p> <p>During PME, employees undergo comprehensive medical examination including:</p> <ul style="list-style-type: none"> <li>• Clinical examination</li> <li>• Chest radiography/X-ray examination</li> <li>• Spirometry/Lung Function Test</li> <li>• Audiometry for hearing impairment</li> <li>• Examination of vision</li> <li>• Routine blood and urine investigations</li> </ul> <p>In cases where abnormalities are detected, further investigations and specialist consultation are undertaken. Suspected cases of Coal Workers' Pneumoconiosis are referred to the WCL Pneumoconiosis Board comprising specially trained experts for detailed evaluation, confirmation, assessment of compensation eligibility and determination of fitness for continuation of duties.</p> <p>Workers exposed to high-noise generating equipment and machinery are specifically monitored through repeated audiometric examinations. Similarly, workers identified with respiratory ailments are subjected to regular pulmonary function monitoring. Wherever required, suitable job reassignment/change of duty is also implemented based on recommendations of the Apex Medical Board.</p> <p>To ensure focused monitoring of occupational health, WCL has established Occupational Health Committees at both Corporate HQ level and Area/Project level. The committees periodically review health surveillance data and compliance status.</p> <p>The PME Centres are adequately equipped with facilities such as Spirometer, Audiometer, X-Ray units and Pathology Laboratory for occupational health surveillance.</p>

		<p>At Umrer Area Hospital, the following occupational health infrastructure is available:</p> <ul style="list-style-type: none"> <li>• PME Centre / Occupational Health Centre – 1 No.</li> <li>• Doctors engaged in PME – 2 Nos.</li> <li>• Doctors trained in Occupational Health/PME – 2 Nos.</li> <li>• Audiometer Unit – 1 No.</li> <li>• Spirometer Unit – 1 No.</li> <li>• X-Ray Machine (300 mA) – 1 No.</li> <li>• Pathology Laboratory – 1 No.</li> <li>• X-Ray Technician – 1 No.</li> <li>• Laboratory Technicians – 2 Nos.</li> </ul> <p>Further, workers detected with diseases such as Hypertension, Diabetes and Ischaemic Heart Disease are regularly followed up through OPD services and disease-specific monitoring systems maintained at PME Centres.</p> <p>In compliance with the stipulated condition, health surveillance covering occupational diseases and hearing impairment is being carried out regularly for workers engaged in active mining operations. The requisite records are maintained and reviewed periodically, and the reports are submitted to the concerned statutory authorities including DGMS as applicable.</p> <p>IME/PME details for the last three years are as follows:</p> <table border="1" data-bbox="711 1226 1230 1451"> <thead> <tr> <th rowspan="2">Year</th> <th colspan="2">No. of workers (Dept. &amp; Cont.)</th> </tr> <tr> <th>IME</th> <th>PME</th> </tr> </thead> <tbody> <tr> <td>2023-24</td> <td>344</td> <td>64</td> </tr> <tr> <td>2024-25</td> <td>263</td> <td>84</td> </tr> <tr> <td>2025-26</td> <td>154</td> <td>41</td> </tr> </tbody> </table>	Year	No. of workers (Dept. & Cont.)		IME	PME	2023-24	344	64	2024-25	263	84	2025-26	154	41
Year	No. of workers (Dept. & Cont.)															
	IME	PME														
2023-24	344	64														
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(ii)	<p>Personnel (including outsourced employees) working in core zone shall wear protective respiratory devices and shall also be provided with adequate training and information on safety and health aspects.</p>	<p>Persons exposed to dusty areas are provided with protective gears like dust masks with goggles. Numbers of Dust Masks issued in last 3 years are given below:</p> <table border="1" data-bbox="727 1661 1214 1848"> <thead> <tr> <th>Sl. No.</th> <th>Year</th> <th>Nos of Dust Masks provided</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2023-24</td> <td>220</td> </tr> <tr> <td>2</td> <td>2024-25</td> <td>220</td> </tr> <tr> <td>3</td> <td>2025-26</td> <td>300</td> </tr> </tbody> </table>	Sl. No.	Year	Nos of Dust Masks provided	1	2023-24	220	2	2024-25	220	3	2025-26	300		
Sl. No.	Year	Nos of Dust Masks provided														
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		<p>As per statute all personnel working in mines are given training and retraining on safety and health aspects on different trades for both departmental and contractual workers.</p> <p>Number of persons given training in last 3year are given below:</p> <table border="1" data-bbox="703 365 1240 562"> <thead> <tr> <th rowspan="2">Year</th> <th colspan="3">No of workers</th> </tr> <tr> <th>Departmental</th> <th>Contractual</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>2023-24</td> <td>17</td> <td>77</td> <td>94</td> </tr> <tr> <td>2024-25</td> <td>8</td> <td>54</td> <td>62</td> </tr> <tr> <td>2025-26</td> <td>70</td> <td>747</td> <td>817*</td> </tr> </tbody> </table> <p>Note: The figure is for whole Umrer Area.</p>	Year	No of workers			Departmental	Contractual	Total	2023-24	17	77	94	2024-25	8	54	62	2025-26	70	747	817*
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(iii)	<p>Implementation of Action Plan on the issues raised during the Public Hearing shall be ensured. The Project Proponent shall undertake all the tasks/measures as per the Action Plan submitted with budgetary provisions during the Public Hearing.</p> <p>Land oustees shall be compensated as per the norms laid out R&amp;R Policy of the Company/ or the National R&amp;R Policy/R&amp;R Policy of the State Government, as applicable.</p>	<p>Commitments made during public consultation process are being adhered to. The status is enclosed as <b>Annexure – XVIII</b>.</p> <ul style="list-style-type: none"> <li>• The R &amp; R benefits for 482 (including Monetary. compensation) against 672.74 Ha approved by WCL Board.</li> <li>• 338 nos. of Employment provided and monetary compensation to 71 families provided. Total: 409 nos.</li> <li>• Land compensation paid till date: 140.79 Crore.</li> <li>• Monitory compensation paid: 19.31 Crore.</li> </ul> <p>Rehabilitation of Shirpur village is proposed. Capital of Rs. 29.83 crore has been provisioned. The rehabilitation site of 10 ha has been allotted near Kanhawa village on Butibori State Highway. It is expected to rehab the village by the end of FY 2030-31.</p>																			
(iv)	<p>The project proponent shall follow the mitigation measures provided in the Ministries OM No. Z-11013/57/2014-IA.II (M), dated 29<sup>th</sup> October, 2014, titled “Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area”.</p>	<p>Complied.</p> <p>There is no village in the mine lease area or surrounded by the mine lease area.</p> <p>75 – 80% coal is transported through Railway siding / RLS to all the major consumers. The remaining 20 – 25% coal is transported through covered trucks. The coal transportation road (CC Road) is properly maintained and it is directly connected to State Highways (BT road).</p> <p>The nearest village structure is about 800 m from the mine boundary.</p>																			

(i)	<b>Corporate Environment Responsibility</b>							
(i)	<p>The Company shall have a well laid down Environment Policy duly approved by the Board of Directors. The Environment Policy should prescribe for standard operating procedures to have proper checks &amp; balances and to bring into focus any infringements/deviation /violation of the environment/forest/wildlife norms/ conditions and/ or shareholders/ stake holders.</p>	<p>a) Coal India Limited (CIL) has formulated a Corporate Environment Policy in December 1995, which was subsequently revised in 2012, 2018 and 2023. Corporate Environment Policy 2023 has been approved by CIL Board in its 460<sup>th</sup> Meeting held on 29<sup>th</sup> December, 2023 for implementation at CIL and its subsidiaries. Copy is enclosed <b>(Annexure-XIX)</b>.</p> <p>To deal with environmental issues and for ensuring compliance with environmental clearance conditions, at project level Environmental management cell is headed by Sub Area Manager and is assisted by Project Nodal officer (Env).</p> <p>c) At area level, Area General Manager, Heads the environment cell and is assisted by General Manager (Op) and Nodal officer (Env).</p> <p>At corporate level at HQ, there is full-fledged Environment Department which is headed by General Manager (Env) with a multi-disciplinary team of qualified and experienced engineers. The head of Corporate Environment department reports directly the Director (Tech), who is nominated owner of the company.</p> <p>d) It may be mentioned here that at the Company Level a Sustainable Development Cell has been set up with multi-disciplinary officials for pursuing sustainable mining integrating environmental, social and economic factors. This cell is being monitored at the level of Director of the Company and further monitoring is being also done by CIL and MOC at the highest level.</p>						
(ii)	<p>A separate environmental cell, both at the project I and company headquarter level, with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.</p>	<p>Details provided at General condition Corporate Environment Responsibility i(i) of EC dated 21.03.2022.</p>						
(iii)	<p>Action plan for implementing the EMP and environmental clearance conditions along with responsibility matrix of the company shall be prepared and shall be duly approved</p>	<p>The funds earmarked for environmental protection measure is kept in separate account and is not diverted for other purpose. Year wise capital expenditure till date is given below:</p> <table border="1" data-bbox="560 1766 1383 1900"> <thead> <tr> <th data-bbox="560 1766 719 1839">Year</th> <th data-bbox="719 1766 917 1839">Expenditure (Rs. Lakhs)</th> <th data-bbox="917 1766 1383 1839">Remarks</th> </tr> </thead> <tbody> <tr> <td data-bbox="560 1839 719 1900">2016-17</td> <td data-bbox="719 1839 917 1900">18.76</td> <td data-bbox="917 1839 1383 1900">Concrete Sedimentation tank</td> </tr> </tbody> </table>	Year	Expenditure (Rs. Lakhs)	Remarks	2016-17	18.76	Concrete Sedimentation tank
Year	Expenditure (Rs. Lakhs)	Remarks						
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	by the competent authority. The Year-wise funds earmarked for environmental protection measures shall be kept in separate account and not be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry / Regional Office along with the Six Monthly Compliance Report.			constructed
		2017-18	55.46	Tyre washing system at main check post
		2018-19	30.89	Fixed sprinklers along coal stock yard
		2021-22	9.38	Construction of 02 nos piezometers
			66.10	Procurement of 10 nos of trolley mounted mist/fog generator.
		2022-23	3.01	Procurement of digital water meter with telemetry
		2024-25	51.89	Procurement of CAAQMS
		2025-26	3.60	Procurement of DWLR
The details of expenditure is submitted to RO, MoEF & CC along with halfyearly compliance reports.				
(iv)	Self environment audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	<p>At Area level, a multi-disciplinary committee has been constituted by order of competent authority to review the compliance status through a formatted checklist. Inter-area inspection to review compliance status is being done.</p> <p>Third party assessment of EC compliance is being carried out once in three years.</p> <p>Latest third-party assessment of EC compliance was carried on 15.04.2026. Assessment report is awaited.</p>		
<b>(j)</b>	<b>Miscellaneous</b>			
(i)	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	<p>Complied.</p> <p>The same had been done after receipt of EC.</p> <p>Advertisements are given in the following News Papers:</p> <ul style="list-style-type: none"> <li>• Indian Express (English daily, Nagpur) dated 25/03/22</li> <li>• Punya Nagri (Marathi daily, Nagpur) dated 25/03/22</li> </ul> <p><b>Copy enclosed as annexure-XX</b></p>		

(ii)	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	A copy of Environmental Clearance letter is marked to concerned Panchayat. Copy is enclosed as <b>annexure-XXI</b> .
(iii)	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	<p>The clearance letter and the six-monthly compliance report had been uploaded on the company's website so as to bring the same in the public domain.</p> <p><a href="https://westerncoal.in/en/departments/environment/compliance-report">https://westerncoal.in/en/departments/environment/compliance-report</a></p> <p>The environment quality parameter data is displayed at the entrance of the mine i.e. near Manager office and the quality reports are uploaded onto the companys website.</p> <p><a href="https://westerncoal.in/en/departments/environment/environment-quality-data">https://westerncoal.in/en/departments/environment/environment-quality-data</a>.</p>
(iv)	The project proponent shall monitor the criteria pollutants level namely; PM <sub>10</sub> , SO <sub>2</sub> , NOx (ambient levels) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Details provided at General condition <b>Miscellaneous j(iii)</b> of EC dated 21.03.2022.
(v)	The project proponent shall submit six - monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at	The six monthly reports on the status of compliance of the stipulated environmental clearance conditions is being submitted regularly to the MOEF&CC's Regional Office, Nagpur.

	Environmental Clearance Portal.	
(vi)	The project proponent shall follow the mitigation measures provided in the Ministries OM No. Z-11013/57/2014-IA. II(M), dated 29 <sup>th</sup> October, 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".	Details provided at General condition Public hearing and Human health issues h(iv) of EC dated 21.03.2022.
(vii)	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the Company.	<p>The environmental statement for each financial year is submitted regularly to the MPCB and Regional Office of the MoEF &amp; CC.</p> <p>The Audit report for the year 2024-25 is submitted on 30/09/2025 on MPCB's web portal. Copy of Audit report is enclosed as annexure-X.</p> <p>The same is uploaded onto Company's website. <a href="https://westerncoal.in/en/departments/environment/environmental-statement?page=1">https://westerncoal.in/en/departments/environment/environmental-statement?page=1</a></p>
(viii)	The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.	Informed RO, MoEF & CC regarding commencement of Mining operations along with half yearly compliance reports.
(ix)	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Noted and agreed for compliance.
(x)	The project proponent shall abide by all the	Noted and agreed for compliance.

	commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	
(xi)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change.	Noted and agreed for compliance.
(xii)	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (protection) Act, 1986.	Noted and agreed for compliance.
(xiii)	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted and agreed for compliance.
(xiv)	The Ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions.	Noted and agreed for compliance.
(xv)	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full co-operation to the officer(s) of the Regional Office by furnishing the requisite data/information/monitoring reports.	Noted and agreed for compliance.

(xvi)	The above conditions shall 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, Hazardous and Other Wastes (Management and Trans boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter.	Noted and agreed for compliance.
<b>Sl. No.</b>	<b>Conditions as per EC 08.04.2024 (Amendment)</b>	<b>Status as per Six Monthly Compliance report submitted by the PP</b>
<b>1</b>	<b>Specific Conditions</b>	
1.1	PP should complete the work of in-pit Belt conveyor system with CHP and Silo loading system till October, 2024 and accordingly, SPCB shall not grant CTO for road transportation after October, 2024	<p>As per approved mining plan and EMP, Method of mining is opencast with shovel-dumper combination.</p> <p>Regarding silo loading and belt conveyor it is submitted that, MoEF &amp; CC vide letter 21/02/2025 has granted amendment in EC with extension in timeline (i.e. till 31<sup>st</sup> March'2026) for installation and commissioning of Belt conveyor for coal transportation.</p> <p>Further, an application for amendment in EC for extension of timeline for installation of belt conveyor has been submitted to MoEF &amp; CC vide dated 24-03-2026. The project was considered in the 42<sup>nd</sup> EAC meeting held on 07-04-2026.</p> <p>The latest progress of the construction of belt conveyor is enclosed as Annexure - VI.</p>
1.2	PP needs to submit the Certified Compliance of the EC dated 20.05.2021 & 21.03.2022 and EC amendment dated 28th February, 2022 to IRO, MoEF&CC .	Certified Copy of EC Compliance report (six monthly) of the EC dated 20.05.2021 & 21.03.2022 and EC amendment dated 28th February, 2022 is being submitted regularly to IRO, MoEF & CC, and Nagpur.

		It is prudent to mention here that, Six monthly EC compliance (as on 30-09-2025) has been submitted vide letter dated 29-11-2025 and Parivesh portal also.
1.3	<p>PP should submit the Species based study report to IRO, MoEF&amp;CC focusing upon the study for plantation of appropriate native species tree.</p> <p>Recommendation of the study to be implemented soon to comply specific condition no. (vii) of the EC 23.10.2021.</p>	<p>Species based study for plantation of suitable native tree species has been carried out by ICFRE.</p> <p>The study was conducted for WCL Umrer Area covering Dinesh (Makardhokra-III) OC Mine and Umrer OC Mine, considering the 10 km buffer zone of the study area.</p> <p>Since Makardhokra-I OC Mine shares a common boundary with the above mines and the plantation carried out in the area is of similar nature and species composition, the recommendations of the study are also applicable to the present project.</p> <p>The study includes recommendations regarding suitable native plant species for plantation and control of soil erosion. A copy of the study report is enclosed as <b>Annexure – XXII</b>.</p> <p>It is pertinent to mention that the existing plantations undertaken through State expert agencies already include many of the species recommended by ICFRE.</p> <p>Further, during the current FY i.e. 2026-27, about 5.0 ha area on the OB dump has been allocated to ICFRE-TFRI for undertaking plantation work, which is presently under progress.</p>
1.4	PP should submit quarterly progressive report to IRO, MoEF&CC w.r.t the in-pit Belt conveyor system with CHP and Silo loading system.	<p>Quarterly progressive report to IRO, MoEF &amp; CC regarding the Belt conveyor system with CHP and Silo loading system has been submitted vide letters dated 07-05-2024, 03-08-2024, 19-11-24, 27-02-2025, 07-05-2025, 28-08-2025, 28-11-2025 and 10-03-2026.</p> <p>Copy enclosed as <b>Annexure-XXIII</b>.</p>
1.5	<p>PP shall use the road having width more than 7 mts with tarpaulin covered 40-50 (payload) dumpers/trucks.</p> <p>Further, State Pollution Control Board shall ensure the emissions of trucks by regular inspections.</p>	<p>A coal transportation road (width of more than 7 m) is being used to ply 40-tonne dumpers/trucks capacity duly covered with Tarpaulin.</p> <p>It is ensured through the security check post that, no truck is being allowed to exit the mine premises without tarpaulin covering.</p> <p>Further, regular maintenance and PUC certification of vehicles are ensured to control vehicular emissions. Inspections and monitoring are also being carried out by officials of Maharashtra Pollution Control Board on regular basis.</p>
1.8	PP shall establish Environmental laboratory at project site by March 2024 and create Environmental	CMPDIL being a sister concerned company of Coal India Ltd, has established Regional Institute RI-IV Nagpur to cater WCL's requirement.

	Management Cell to monitor the issues related environmental degradation	<p>The Environmental lab of CMPDI (NABL accredited lab) setup is available in order to monitor environmental parameters. The collected samples are being taken to Nagpur lab on the same day for further analysis.</p> <p>The Environment Management Cell of WCL Umrer Area comprises of Area Nodal Officer (Environment), Dy. Manager (Environment), Nodal Officer (Environment)- Makardhokra I OC in order to monitor issues related to environment.</p>
<b>Sl. No.</b>	<b>Conditions as per EC 21.02.2025 (Amendment)</b>	<b>Status as per Six Monthly Compliance report submitted by the PP</b>
<b>1</b>	<b>Additional Specific Conditions:</b>	
1.1	Three tier plantation shall be done on both the sides of the captive road being used for coal transportation to control the pollution caused by the transportation of coal through roads. In addition to this, PP shall provide 50,000 plant saplings with 4 feet tall fruit bearing plants to farmers for plantation in barren and agriculture lands in the study area every year for 5 years with incentive to improve the green cover in and around the mine lease area.	<p>Tree plantation (3000 nos.) along the transportation route has been developed (avg. width of 10 m and length of 2000 m) has been developed.</p> <p>Green belt (avg. width of 10 m and length of 1800 m) has been developed (2000 nos.) at railway siding which acts as a wind shield.</p> <p>During the current FY 2025-26, approximately 5,000 fruit-bearing saplings have been distributed to the nearby villagers based on their requirements. Photographs of the sapling distribution programs are enclosed as <b>Annexure XXIV</b>.</p> <p>Further, the proposal for distribution of 50,000 nos. of 4-feet-tall fruit-bearing saplings every year for five years to farmers for plantation in barren and agricultural lands is under process.</p> <p>The same is being pursued through the Social Forestry Department, Government of Maharashtra. Copies of the communications made with the Social Forestry Department are enclosed as <b>Annexure-XXV</b>.</p> <p>Distribution of saplings will be taken up during FY 2026-27.</p>
1.2	All the recommendations made in the Traffic Assessment Study Report regarding coal transportation by road shall be strictly adhered with.	<p>Entire Coal transportation route from mine pit to Umrer Railway Siding is covered under WCL owned land (Mine Lease of Makardhokra – I OC, Makardhokra – II OC and Umrer OC) and there is no public road is involved.</p> <p>Traffic assessment study has been carried out along the Coal transportation road from Makardhokra- I OC coal stock yard to Railway Siding and to Road transportation exit point.</p> <p>The V/C ratio is 0.14 thus level of service falls in Excellent Categories.</p>
1.3	Green house emission from the mine operations shall be evaluated and	Green house emission from the mine operations have been evaluated and the corresponding carbon absorption plan has been prepared.

	<p>corresponding carbon absorption plan shall be submitted to the concerned RO, MoEF&amp;CC with 6 monthly compliance report.</p>	<table border="1"> <thead> <tr> <th data-bbox="558 182 862 268">Parameter</th> <th data-bbox="862 182 1101 268">Tentative Emissions</th> </tr> </thead> <tbody> <tr> <td data-bbox="558 268 862 338">Scope 1 Emissions (tCO<sub>2</sub>e)</td> <td data-bbox="862 268 1101 338">448.38</td> </tr> <tr> <td data-bbox="558 338 862 428">Scope 2 Emissions (tCO<sub>2</sub>e)</td> <td data-bbox="862 338 1101 428">7906.45</td> </tr> <tr> <td data-bbox="558 428 862 506">Scope 3 Emissions (tCO<sub>2</sub>e)</td> <td data-bbox="862 428 1101 506">10822.88</td> </tr> </tbody> </table>		Parameter	Tentative Emissions	Scope 1 Emissions (tCO <sub>2</sub> e)	448.38	Scope 2 Emissions (tCO <sub>2</sub> e)	7906.45	Scope 3 Emissions (tCO <sub>2</sub> e)	10822.88	<p><b>Total CO<sub>2</sub>e to Offset:</b> 8,354.83 tCO<sub>2</sub>e (Approx.).</p> <p>As per the approved mining plan/EMP, approximately 9,64,225 saplings covering an area of 385.69 ha. are to be</p>			
Parameter	Tentative Emissions														
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1.4	<p>PP shall align its activities to the Sustainable Development Goals (SDG), for which Present status and an action plan shall be submitted to the concerned RO, MoEF&amp;CC with 6 monthly compliance report.</p>	<table border="1"> <thead> <tr> <th data-bbox="558 848 613 1003">SDG No.</th> <th data-bbox="613 848 695 1003">SDG Title</th> <th data-bbox="695 848 867 1003">Action Taken</th> <th data-bbox="867 848 1073 1003">Action Plan</th> </tr> </thead> <tbody> <tr> <td data-bbox="558 1003 613 1415">1</td> <td data-bbox="613 1003 695 1415">No Poverty</td> <td data-bbox="695 1003 867 1415">Indirectly Covered</td> <td data-bbox="867 1003 1073 1415">Indirectly supported through, skill development, employment generation and CSR initiatives in nearby villages support livelihood improvement.</td> </tr> <tr> <td data-bbox="558 1415 613 1726">2</td> <td data-bbox="613 1415 695 1726">Zero Hunger</td> <td data-bbox="695 1415 867 1726">Indirectly Covered</td> <td data-bbox="867 1415 1073 1726">Indirectly supported through livelihood enhancement and socio-economic development activities under CSR.</td> </tr> </tbody> </table>	SDG No.	SDG Title	Action Taken	Action Plan	1	No Poverty	Indirectly Covered	Indirectly supported through, skill development, employment generation and CSR initiatives in nearby villages support livelihood improvement.	2	Zero Hunger	Indirectly Covered	Indirectly supported through livelihood enhancement and socio-economic development activities under CSR.	<p>planted over the project life.</p> <p>To date, 1,52,500 saplings have been planted, covering an area of 61.10 hectares.</p> <p>The proposed plantation over 385.69 ha has an estimated carbon sequestration potential of approximately 10,350.91 tCO<sub>2</sub>, based on an assumed sequestration rate of 50.16 tCO<sub>2</sub>/ha under field conditions. The carbon sequestration potential shall progressively increase with the maturity and stabilization of the plantation.</p>
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			<p><b>3</b></p> <p>Go od Hea lth and Wel l- bei ng</p>	<p>Effective pollution control measures have been commissioned. Regular environment monitoring is being under done. Regular health check IME/PME is being carried out to regular monitoring occupational health status. CSR clinics and camps are being conducted in the neighbouring villages</p>	<p>Regular implementation of occupational health &amp; safety standards, regular health check-ups, and dust suppression systems will be continued. And additional measures will be taken if required.</p>	
			<p><b>4</b></p> <p>Qu ality Edu cati on</p>	<p>Regular training for upgradation of skills and awareness programs on safety, occupational health and environment are being undertaken</p>	<p>Regular training for upgradation of skills and awareness programs on safety, occupational health and environment are being undertaken</p>	
			<p><b>5</b></p> <p>Ge nde r Equ ality</p>	<p>Coal India Limited is committed to promoting gender equality, diversity, and inclusive workforce participation through its Equal Opportunity Policy,</p>	<p>Equal employment opportunity for the employees and inclusion in CSR/community development programmes.</p>	

			ensuring non-discrimination and equal access to employment, career development, and workplace facilities for all employees in line with Government of India directives.	
		6	Clean Water and Sanitation Sedimentation tank, ETP and STP have been commissioned for treatment of mine water, effluent. Treatment facilities like RO for drinking water has been provided.	Providing RO systems and water supply to the neighbouring villagers if required.
		7	Affordable and Clean Energy <b>Efforts are being made for the uses of Solar energy and conventional light bulbs are replaced by LEDs to reduce energy consumption. 01 no of 40 KWp On-Grid-Connected Roof Top Mounted</b>	Proposed to install 8 MW solar plant on the OB dumps and exploring the possibility of installation of solar panels on the overburden dump after attaining the permitted height. Installation of Roof top solar panels on the service

			<p><b>solar power plant is installed at AGM Office of Umrer area and 01 no of 12 KWp On-Grid-Connected Roof Top Mounted solar power plant is installed at Area Hospital, and 2KWp roof top solar panels installed over manager office, MKD-I OCUmrer Area.</b></p>	<p>buildings if possible</p>	
		<p><b>8</b></p>	<p>Decent Work and Economic Growth</p>	<p><b>Applicable</b></p>	<p>Employment generation, skill development, and local entrepreneurship support.</p>
		<p><b>9</b></p>	<p>Industry, Innovation and Infrastructure</p>	<p><b>Latest HEMMs, are being deployed to minimize air pollution. RLS with silo and railway track is in operation</b></p>	<p>Belt conveyor of MKD-I OC is under construction. Further, Mechanised mining, Mass production machinery viz. surface miners, deployment of EV/ LNG/ CNG vehicles, advance pollution</p>

				control infrastructure will be done	
		10	Reduced Inequalities	Coal India Limited is committed to promoting gender equality, diversity, and inclusive workforce participation through its Equal Opportunity Policy, ensuring non-discrimination and equal access to employment, career development, and workplace facilities for all employees in line with Government of India directives.	Continued equal employment opportunity for the employees and inclusion in CSR/community development programmes.
		11	Sustainable Cities and Communities	Sustainable township with green belt, STP for treatment of sewage water, Roof top solar panels at Area office, Belt conveyor, Area hospital,	continued development / upgradation of the township will be undertaken.

			Manager office provided		
		<b>12</b>	Responsible Consumption and Production	coal produced is utilised for thermal power generation to cater to the need of energy demand of the country and saving the money of exchequer.	OB utilisation efforts, waste management practices, and resource optimisation.
		<b>13</b>	Climate Action	Adequate measures for control of air, water and noise pollution has been deployed. Afforestation is being carried out.	continued maintenance/upgradation of the of the pollution control measures and deployment of advance mass production machinery for low environment impact will be undertaken.
		<b>14</b>	Life Below Water	2 stage treatment of mine discharge water at mine sump and surface sedimentation tanks for reuse internally and discharge of surplus into local drains, ETP for	Continued treatment of mine discharge water and workshop effluent and upgradation of control measures if required.

				treatment of waste water from workshops for internal reuse.	
		<b>15</b>	Life on Land	Afforestation is being undertaken. Till date, 1,52,000 saplings have been planted covering an area of around 61.10 ha.	Afforestation will be carried out along with progressive mine closure. , Native species are being planted for maintaining the biodiversity. Plantation is being through expert forest agencies along with maintenance with survival rate of 80%. It is proposed to plant 9,64,225 nos. of saplings covering an area of 385.69 ha.
		<b>16</b>	Peace, Justice and Strong Institutions	Compliance and monitoring of all applicable regulations viz. EC, CTO, CGWA, DGMS is being done	continued compliance with statutory regulations, monitoring by regulatory authorities, and transparency in reporting.
		<b>17</b>	Partnerships for the	Compliance and monitoring of all applicable regulations viz. EC,	Continued Compliance and monitoring of all applicable regulations viz. EC, CTO,

			Goals	CTO, CGWA, DGMS is being done. Coordination with Regulatory agencies, Scientific Institutions	CGWA, DGMS is being done. Coordination with Regulatory agencies, Scientific Institutions													
1.5	Additional air pollution control measures should be taken along roads being used for transport of coal including e-/CNG/LNG vehicles.	<p>At WCL level, all the efforts are being made for deployment of e-vehicles to reduce emission due to diesel / petrol.</p> <p>Till date, around 78 e-vehicles (LMVs) have been deployed across WCL.</p> <p>Similarly, all efforts are being made for deployment of e-vehicles/CNG/LNG replacing the diesel transportation vehicles used in the core activities viz. dumpers, coal transportation etc.</p> <p>In this regard, WCL it is 289<sup>th</sup> empowered committee meeting has approved the deployment of E-vehicles/CNG/LNG in the mines wherever possible.</p>																
<b>Sl. No.</b>	<b>Conditions as per EC 20.05.2021</b>	<b>Status as per Six Monthly Compliance report submitted by the PP</b>																
<b>4</b>	<b>Specific Conditions:</b>																	
(vi)	Persons of nearby villages shall be given training on livelihood and skill development to make them employable.	<p>The skill development and entrepreneurship training programs are being conducted by the HRD Deptt., WCL Hq, for the residents of nearby villages through reputed training institutes. Details of Skill Development programs are as follows:</p> <table border="1" data-bbox="716 1255 1227 1850"> <thead> <tr> <th>Year</th> <th>Training Programs</th> <th>No. of beneficiaries</th> </tr> </thead> <tbody> <tr> <td>2023-24</td> <td>Assistant electrician</td> <td>04</td> </tr> <tr> <td>2024-25</td> <td>Skill Development in Machine Operator-Plastic processing/ Injection Moulding / Tool Room courses; Tailor course and Foot wear Design and production course and Retail Fashion Merchandise course</td> <td>39</td> </tr> <tr> <td>2025-26</td> <td>CIPET</td> <td>20</td> </tr> </tbody> </table>					Year	Training Programs	No. of beneficiaries	2023-24	Assistant electrician	04	2024-25	Skill Development in Machine Operator-Plastic processing/ Injection Moulding / Tool Room courses; Tailor course and Foot wear Design and production course and Retail Fashion Merchandise course	39	2025-26	CIPET	20
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(ix)	<p>Hon'ble Supreme Court in an Writ Petition(s) Civil No.114/2014, Common Cause vs Union of India &amp; Or vide its judgement dated 8<sup>th</sup> January, 2020 has directed the Union of India to impose a condition in the mining lease and a similar condition in the environmental clearance and the mining plan to the effect that the mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. Compliance of this condition after the mining activity is over at the cost of the mining lease holders/Project Proponent". The implementation report of the above said condition shall be sent to Regional Office of the MoEF&amp;CC.</p>	<p>The mine is currently operational. As per the approved mining plan, backfilling and plantation shall be taken up to ensure compliance of the condition.</p> <p>There is no grazing land involved in the project area.</p> <p>Plantation on the OB has been undertaken. Till date, 60,000 nos. of saplings covering an area of 24 ha.</p> <p>Further, plantation work will be undertaken as per plantation program of Approved Mining Plan &amp; EIA-EMP.</p> <p>Re-grassing of mining area and other disturbed area will be done after ceasing the mining operations. Compliance of the same will be submitted to MOEF&amp;CC.</p>
(xv)	<p>In addition, the project proponent shall develop greenbelt outside the plant premises such as avenue plantation, plantation in vacant areas, social forestry etc.</p>	<p>The area surrounding the subject mine has two mines in the very close vicinity viz. Umrer OC(discontinued) and Makardhokra – III OC.</p> <p>There are adequate plantations in the mining area of these two mines. As such the surrounding of the subject mine is already covered with adequate plantation/ thick canopy of tree cover.</p> <p>In Makardhokra- I OC, 1,52,500 nos. of saplings planted covering an area of 61.10 ha. The yearwise details are provided at Specific condition no. A (xviii) of EC dated 26.11.2015.</p> <p>Further on the plantation work will be undertaken as per plantation program approved Mining Plan and EMP.</p>
(xvi)	<p>PP shall pay to farmers of agricultural land if there is any loss and for</p>	<p>Controlled blasting techniques with use of electronic delay detonators are practiced to control ground vibration and to arrest the</p>

	cracks in the house due to blasting found by concerned District Commissioner as per extent rule or norms	fly rock. All blasting practices are carried out as per norms of Director General of Mines Safety (DGMS).  However, survey and necessary compensation and repair works will be provided as per norms if ascertained.
(xix)	PP shall take appropriate action for flooding in the low lying area and agriculture fields happening due diversion of Amb River.	Diversion of Amb river was done as per the design of Central Design Organization (CDO), Nashik. The diversion was completed in 2016 (Phase-IV). Till date no flooding incident reported.
(xxi)	PP shall manage the heavy transportation on Udasa bypass road and take necessary safety measures. WCL shall provide adequate truck parking area.	In order to manage the entry and exit of road sale trucks, following steps have been taken:  <ul style="list-style-type: none"> <li>•Separate Entry and Exit Check posts have been provided.</li> <li>•Extra departmental security personnel are deployed during morning hours, particularly the entry time of trucks to avoid any congestion on the highway.</li> <li>•Parking space has been provided within mine premises for considerable standage of trucks.</li> </ul>
(xxii)	Permission for diversion of Shirpur stream should be taken prior to any diversion activity. The diverted stream shall be stone pitched and plantation shall be done all along the embankment of the stream.	The Shirpur Nala is situated to the south of Makardhokra-I OC Mine. This is a seasonal stream that remains completely dry during the non-monsoon period. The diversion of nallah will be carried out only with due permission from State Water Resource Department.  Design from CDO Nashik has been approved.  Further, an application for NOC from Water Resource Department, Govt. Of Maharashtra has been submitted. Annexure – XXVI.
(xxiii)	PP shall implement the road map of trees plantation as submitted during EAC meeting along both the sides of the Butibori-Kanwa PWD road which is passing in between proposed dip side quarry surface and external dump with broad leaves.	As per the road map of tree plantation submitted during the EAC meeting, 12,000 nos of saplings were planted along the project boundary side of the road during this monsoon of 2021-22. Further, during FY 2022-23, 40,500 nos. of saplings covering an area of 16.20 ha and during FY 2025-26, 17,500 nos. of saplings covering an area of 7.0 ha. has been undertaken through MPVVRN with 4 years maintenance post plantation year.
(xxv)	Top soil should be stored separately at marked area and necessary vegetation shall be maintained to avoid any entrainment of dust.	Top soil is stacked separately at earmarked area. This soil will be used for reclamation and development of green belt.
(xxvi)	All approach roads to mine and all other roads which are in regular use should be black topped. The maintenance of	Complied. All Coal transportation road has cement concrete pavement and Approach roads are blacktopped.  Details of coal transportation road and approach road is given below:

	road shall be done by PP in collaboration with state government. The details of expenditure incurred shall be submitted to Ministry's Regional Office.	<table border="1"> <thead> <tr> <th>Location</th> <th>Type of Road</th> <th>Length (m)</th> </tr> </thead> <tbody> <tr> <td>Coal Transportation Road from Railway Siding to Coal Stock Yard of MKD-I OCM</td> <td>CC road</td> <td>1200</td> </tr> <tr> <td>Road From Nagpur Umrer State NH to High Level Bridge near Siding via AGM Office</td> <td>BT Road</td> <td>1730</td> </tr> <tr> <td>Road Connecting Colony to MKD-I Manager Office</td> <td>BT Road</td> <td>1550</td> </tr> </tbody> </table> <p>Regular maintenance of roads is being carried out. The cumulative value of work orders for construction and repair of roads since FY 2020–21 amounts to Rs. 6,08,47,326.00</p>	Location	Type of Road	Length (m)	Coal Transportation Road from Railway Siding to Coal Stock Yard of MKD-I OCM	CC road	1200	Road From Nagpur Umrer State NH to High Level Bridge near Siding via AGM Office	BT Road	1730	Road Connecting Colony to MKD-I Manager Office	BT Road	1550				
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<b>Sl. No.</b>	<b>Conditions as per EC 28.02.2022</b>	<b>Status as per Six Monthly Compliance report submitted by the PP</b>																
<b>4</b>	<b>Specific Conditions:</b>																	
iii	PP to plant 150,000 nos of only fruit bearing native trees and develop a nursery of native and fruit bearing trees (of 10 Ha) for free distribution in nearby areas other than the Thick green belt of adequate 50 mts width at the final boundary within 2 years	<p><b>Complied.</b> Mine commenced in the year 2015, till date 1,52,500 nos. of saplings planted covering an area of 61.10 ha. within 614.69 ha.</p> <p>The details are placed below:</p> <table border="1"> <thead> <tr> <th>Year</th> <th>No. of saplings planted</th> <th>Covering an area in ha.</th> <th>Location details</th> </tr> </thead> <tbody> <tr> <td>2025-26</td> <td>17,500</td> <td>7.0</td> <td>Along Mine boundary near Kanhwa Village</td> </tr> <tr> <td>2024-25</td> <td>30000</td> <td>12.0</td> <td>OB dump top</td> </tr> <tr> <td>2023-24</td> <td>22500</td> <td>9.0</td> <td>Along project boundary on the south western side before Khursapar Village.</td> </tr> </tbody> </table>	Year	No. of saplings planted	Covering an area in ha.	Location details	2025-26	17,500	7.0	Along Mine boundary near Kanhwa Village	2024-25	30000	12.0	OB dump top	2023-24	22500	9.0	Along project boundary on the south western side before Khursapar Village.
Year	No. of saplings planted	Covering an area in ha.	Location details															
2025-26	17,500	7.0	Along Mine boundary near Kanhwa Village															
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2022-23	40500	16.20	Along project boundary on the south easter side before Kanwha Village.
2021-22	12000	4.8	Along project boundary on the south eastern side.
2016-17	30000	12.10	OB Dump
Total	1,52,500	61.11	

Boundary of Makardhokra-I OC is 17 Km out of which 4 Km (approx.) has been planted with thick green belt of width (avg.) 50 - 60 mts.

In addition to the above, plantation along the transportation route has been developed (avg width of 15 m and length of 2000 m) has been developed.

Green belt (avg width of 10 m and length of 1800 m) has been developed at railway siding which acts as a wind shield.

Plantation of mixed native species is being carried out at a density of 2,500 saplings per ha.

Plantation is being carried out through Forest expert agency i.e. MPRVVN along with 4 years maintenance post plantation year.

Planted species include:

- Fruit Bearing Tree Species: Jamun, Imlı, Ganga Imlı, Bel, Mango, Sitaphal etc.,
- Medicinal / Herbal Plants: Neem, Karanj, Harra, Bahera, Aonla (Amla), Arjun, Shekakai, Kusum, Mahua, etc.
- Timber Value Trees: Teak, Shivan / Ghamar, Sissoo, Kala Sirus, SafedSirus, Bamboo, etc.
- Ornamental / Avenue Plants (by the side of roads and colonies): Kachnar, Gulmohar, Amaltas, Saptaparni, Gravalia, Peepal, etc.

It is pertinent to mention that 60–70% of the plantation species comprise fruit-bearing species.

v	PP shall carry the mining through Shovel Dumper as per the approved mine plan	<p><b>Complied.</b></p> <p>Mining is being carried out through Shovel Dumper combination, as per approved Mining Plan.</p>
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	with all dust control measures.	<p>Moreover, to control fugitive dust emissions from crushing, conveying, and coal handling operations, adequate pollution control measures have been implemented at the CHP and associated facilities.</p> <ul style="list-style-type: none"> <li>• 150 nos of Water sprinklers nozzles have been provided at crusher hopper and conveyor transfer points of CHPs at the siding.</li> <li>• Side cladding along the conveyor of CHP is also provided.</li> <li>• Water sprinklers at hopper and conveyor of the crusher of CHP provided at Siding.</li> <li>• 2 Nos of mobile water tankers of 28 KL capacity, 2 Nos of 10 KL Capacity. 1 no of 20 KL and 5 nos. of 12 KL are in operation at haul road, coal transportation road, coal stock yard, siding.</li> <li>• 10 nos. of fog cannons have been deployed near crushers, around coal stock yard.</li> <li>• 11 nos. of sprinklers provided at Railway siding.</li> <li>• 19 nos. of sprinklers provided along coal stock approach and weigh bridge.</li> <li>• 90 nos. of sprinklers provided along coal transportation road.</li> <li>• Automatic tyre washing system is installed at main check post of Umrer Area which is common exit point for all coal transportation truck leaving mining lease area of WCL.</li> <li>• Drills are fitted with water sprinkling arrangement / with dust extractors.</li> <li>• Regular covering of tarpaulin for Coal Transport Truck.</li> </ul>																										
<b>Sl. No.</b>	<b>Conditions as per EC 26.11.2015</b>	<b>Status as per Six Monthly Compliance report submitted by the PP</b>																										
<b>A</b>	<b>Specific Conditions:</b>																											
i.	The maximum production from the mine at any given time shall not exceed the limit as prescribed in the EC.	<p>Production is being done within the EC sanctioned capacity of 4.2 MPTA.</p> <p>Coal production details since commencement are as follows:</p> <table border="1" data-bbox="761 1457 1182 1892"> <thead> <tr> <th>Year</th> <th>Coal production in MT</th> <th>EC capacity</th> </tr> </thead> <tbody> <tr> <td>2014-15</td> <td>0.069</td> <td>1.0 MTPA</td> </tr> <tr> <td>2015-16</td> <td>0.962</td> <td rowspan="6">2.0 MTPA</td> </tr> <tr> <td>2016-17</td> <td>1.808</td> </tr> <tr> <td>2017-18</td> <td>1.60</td> </tr> <tr> <td>2018-19</td> <td>1.99</td> </tr> <tr> <td>2019-20</td> <td>1.999</td> </tr> <tr> <td>2020-21</td> <td>1.999</td> </tr> <tr> <td>2021-22</td> <td>3.720</td> <td rowspan="3">4.20 MTPA</td> </tr> <tr> <td>2022-23</td> <td>4.200</td> </tr> <tr> <td>2023-24</td> <td>4.200</td> </tr> </tbody> </table>	Year	Coal production in MT	EC capacity	2014-15	0.069	1.0 MTPA	2015-16	0.962	2.0 MTPA	2016-17	1.808	2017-18	1.60	2018-19	1.99	2019-20	1.999	2020-21	1.999	2021-22	3.720	4.20 MTPA	2022-23	4.200	2023-24	4.200
Year	Coal production in MT	EC capacity																										
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		2024-25	4.200		
		2025-26	4.200		
ii.	The validity of the EC is for the life of the Mine or as specified in the EIA Notification, 2006, whichever is earlier.	Noted for compliance.			
iv.	Efforts be made to explore the availability of mechanically covered trucks.	Due to non availability of mechanically covered trucks, coal transportation trucks are being covered with tarpaulin.			
v.	Coal transportation in pit by dumper, Surface to siding by dumper and siding at loading by pay loader.	Internally, within the mine, coal transportation done by dumpers and loading is carried out by pay loaders at siding.			
vi.	The production shall be within the same Mining lease area.	The production is being done within the EC sanctioned Mining lease area of 614.69 ha.			
vii.	The OB shall be completely re-handled at the end of the mining.	<p>As per the approved Mining Plan, the total excavated area during the post mining stage will be 287 ha., out of which 90 ha. will be backfilled up to ground level and biologically reclaimed through afforestation.</p> <p>The remaining 197 ha. is proposed to be retained as mine void. However, it is further planned to utilize OB material from the proposed adjacent Makardhokra-IV OC Mine for backfilling of the void area in a phased manner, thereby reducing the final void extent and associated land degradation.</p> <p>Further, the external OB dump will occupy an area of 140 ha. and shall be stabilized through plantation and other scientific reclamation measures. Re-handling of the external OB dump is not envisaged in the approved Mining Plan.</p> <p>Till date, plantation of approximately 60,000 saplings covering an area of 24.19 ha. has been undertaken over the external OB dump for stabilization and ecological restoration.</p>			
xi.	The land after mining shall be brought back for agriculture purpose.	Details provided at specific conditions (vii) of EC dated 26.11.2015.			
xiii.	The CSR cost should be Rs.5 per Tonnes of Coal produced which should be adjusted as per the annual inflation.	<p>CSR activities are being taken up as per the CSR policy of CIL.</p> <p>As per the policy, 2% of average net profit of the company for the three immediate preceding financial years, as per Companies Act or ii. Rs. 2.00 per tonne of coal production of immediately preceding financial year.</p>			

		<p>The details of CSR expenditure during last 3 years is placed below:</p> <table border="1"> <thead> <tr> <th>Year</th> <th>Rs. In lakhs</th> </tr> </thead> <tbody> <tr> <td>2025-26</td> <td>136.36</td> </tr> <tr> <td>2024-25</td> <td>71.58</td> </tr> <tr> <td>2023-24</td> <td>59.50</td> </tr> </tbody> </table> <p>Detailed CSR activities are enclosed as <b>(Annexure-XXVII)</b>.</p>	Year	Rs. In lakhs	2025-26	136.36	2024-25	71.58	2023-24	59.50
Year	Rs. In lakhs									
2025-26	136.36									
2024-25	71.58									
2023-24	59.50									
xx.	<p>There shall be no overflow of OB into the river and into the agricultural fields and massive plantation of native species shall be taken up in the area between the river and the project.</p>	<p>Embankment has been provided along the AMB river to protect the mine along its boundary.</p> <p>Safe distance between OB dumps and surface water bodies have been maintained as per CMR, 2017.</p> <p>Garland drains have been provided along the OB toes for arresting silt.</p> <p>Further, plantation is being done for stabilizing of dumps. Till date, 1,52,500 nos. of saplings of native species planted covering an area of 61.10 ha.</p>								
xxi.	<p>OB shall be stacked at two earmarked external OB dumpsite(s) only. The ultimate slope of the dump shall not exceed 28°. Monitoring and management of existing reclaimed dumpsites shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment, Forests &amp; Climate Change and its concerned Regional office on yearly basis.</p>	<p>OB is being stacked only at the two earmarked external OB dump sites in accordance with the approved Mining Plan and statutory guidelines. Dumping operations are carried out as per DGMS stipulations, and the ultimate slope of the dumps is maintained not exceeding 28°.</p> <p>Reclamation and stabilization of external OB dumps are being undertaken through plantation of native species. Till date, approximately 60,000 saplings covering 24.19 ha. have been planted. Plantation is being carried out through forest expert agencies with</p> <p>Compliance status is being submitted regularly to the Regional Office of MoEF&amp;CC through half-yearly compliance reports.</p>								
xxiv.	<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>To control fugitive dust emissions from crushing, conveying, and coal handling operations, adequate pollution control measures have been implemented at the CHP and associated facilities.</p> <ul style="list-style-type: none"> <li>• 150 nos of Water sprinklers nozzles have been provided at crusher hopper and conveyor transfer points of CHPs at the siding.</li> <li>• Side cladding along the conveyor of CHP is also provided.</li> <li>• Water sprinklers at hopper and conveyor of the crusher of CHP provided at Siding.</li> </ul>								

		<ul style="list-style-type: none"> <li>• 2 Nos of mobile water tankers of 28 KL capacity, 2 Nos of 10 KL Capacity. 1 no of 20 KL and 5 nos. of 12 KL are in operation at haul road, coal transportation road, coal stock yard, siding.</li> <li>• 10 nos. of fog cannons have been deployed near crushers, around coal stock yard.</li> <li>• 11 nos. of sprinklers provided at Railway siding.</li> <li>• 19 nos. of sprinklers provided along coal stock approach and weigh bridge.</li> <li>• 90 nos. of sprinklers provided along coal transportation road.</li> <li>• Automatic tyre washing system is installed at main check post of Umrer Area which is common exit point for all coal transportation truck leaving mining lease area of WCL.</li> <li>• Drills are fitted with water sprinkling arrangement / with dust extractors.</li> </ul>
xxix	<p>An estimated total 190.52Mm<sup>3</sup> of OB will be generated during the entire life of the mine. Out of which 145.31Mm<sup>3</sup> of OB will be dumped in three external OB dumps an earmarked area covering 197.95Ha of land. 45.21Mm<sup>3</sup> of OB will be dumped in two internal OB dumps an earmarked area covering 95.10Ha of land. The maximum height of external OB dump will not exceed 60 m. The maximum slope of the dump shall not exceed 28 degrees. Monitoring and management of reclaimed dump sites shall continue till the vegetation becomes self – sustaining and compliance status shall be submitted to MOEFCC and its Regional Office on yearly basis.</p>	<p>The mine has started its operation on 28.11.14. Till Mar'26 135.57 Mm<sup>3</sup> of OB has been generated which is stacked at two earmarked external OB dumpsite(s) and internal dumping and mine void of Makardhokra- II OC.</p> <p>Dumping is being done as per the specified norms stipulated by DGMS. The ultimate slope of the dump shall not exceed 28 degrees. Monitoring and management of existing reclaimed dumpsites is being continued.</p> <p>Around 60,000 nos. of saplings have been planted on OB dumps.</p> <p>The status is being submitted to MoEF &amp; CC Regional office along with half yearly compliance report.</p>
xxxii	<p>The mining should be phased out in sustainable manner.</p>	<p>Sustainable mining practices are being duly implemented at the mine.</p> <ul style="list-style-type: none"> <li>• To minimize land degradation, OB generated from mining operations is being dumped in the adjacent mine void, and</li> </ul>

		<p>simultaneous backfilling of the excavated areas is being undertaken progressively.</p> <ul style="list-style-type: none"> <li>• Plantation is being carried out on OB dumps, backfilled areas, open lands, and around infrastructure to restore green cover.</li> <li>• Pollution control measures are being regularly operated and maintained to mitigate environmental impacts.</li> <li>• To eliminate road transportation and reduce associated pollution and traffic, a belt conveyor system is being installed.</li> <li>• Further, mine discharge water is being treated and reused for internal purposes, ensuring responsible water management.</li> </ul> <p>These collective measures ensure that mining is being carried out in a phased and environmentally sustainable manner in compliance with the stipulated condition.</p>
xxxiii	No groundwater shall be used for mining operations.	Mine strata seepage water is collected through catch drains and treated at quarry sump and surface sedimentation tank and utilized for domestic, industrial requirements.
xLi	A detailed Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment Forests & Climate Change within 6 months of grant of Environmental Clearance.	<p>The detailed Final Mine Closure Plan has been incorporated in the approved Mining Plan along with a provision of Corpus Fund.</p> <p>The Escrow Account has been opened, progressive balance as on 31.03.2026 is Rs. 1,07,52,14,891.00</p> <p>The same is submitted to Ministry of Environment, Forest and Climate Change on regular basis along with six monthly compliance report.</p>
<b>B.</b>	<b>General Conditions</b>	
i	No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment, Forest & Climate Change.	Method of mining is opencast with shovel-dumper combination. There has been no change in scope of work and production programme beyond EC/ approved Mining Plan.
ii	No Change in the calendar plan of production for quantum of mineral coal shall be made.	Calendar plan of production is as per the approved Mining plan and EC.



**F No. J-11015/54/2006-IA-II (M)**  
 Government of India  
 Ministry of Environment, Forest and Climate Change  
 (Impact Assessment Division)

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Indira Paryavaran Bhawan,  
 Jor bagh Road, N Delhi – 3  
 Email: lk.bokolia@nic.in Tel: 01124695363

**Dated: 28<sup>th</sup> February, 2022**

To

The General Manager (Environment)  
 M/s Western Coalfields Ltd,  
 Coal Estate, Civil Lines, Nagpur - 440001  
 Maharashtra  
 Email: [wclenv@yahoo.in](mailto:wclenv@yahoo.in)

**Sub: Expansion of Makardhokra- I OC mine (Phase-I) for increase of production capacity from 2 MTPA to 3.50 MTPA of M/s Western Coalfields Limited in mine lease area of 614.69 ha located near Tehsil Umrer, District Nagpur (Maharashtra)- For Amendment in Environmental Clearance- reg**

Sir,

This has reference to your online proposal No. IA/MH/CMIN/250943/2022 dated 11<sup>th</sup> January, 2022 for grant of Environmental Clearance to the above project.

2. The Ministry of Environment, Forest and Climate Change has considered the application. It is noted that the proposal is for grant of amendment in Environmental Clearance Expansion of Makardhokra- I OC mine (Phase-I) for increase of production capacity from 2 MTPA to 3.50 MTPA of M/s Western Coalfields Limited in mine lease area of 614.69 ha located near Tehsil Umrer, District Nagpur (Maharashtra), subject to compliance of certain terms and conditions, which *inter-alia* include the following specific conditions:

(vii) PP to plant 1,00,000 nos. of Sal tress and 10 ha Sal Tree nursery

(viii) Mining plan should be carried out with surface miner for the project and silo loading till railway siding through in pit conveyor should be avoid to installed to avoid the road

3. Project Proponent has requested for amendment citing that the IRO Nagpur vide its letter dated 5<sup>th</sup> November, 2021 has informed regarding condition (vii) that the Sal species distribution is not in Maharashtra and more particularly in Nagpur District. Further, regarding condition no. viii is technically not implementable since the production from multiple seams and number of faults encountering in the geology and Shovel Dumper System of mining is more feasible instead of deployment of surface miner.

4. The Expert Appraisal Committee (EAC) in its 25<sup>th</sup> EAC meeting held on 18 to 20 January, 2022, has recommended the project for grant amendment of Environment Clearance (EC). Based

**No. J-11015/54/2006-IA-II (M)**  
Government of India  
Ministry of Environment, Forest & Climate Change  
Impact Assessment Division

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2<sup>nd</sup> Floor Vayu Wing,  
Indira Paryavaran Bhawan,  
Jorbagh Road, N Delhi – 3  
Email: lk.bokolia@nic.in Tel: 011-20819417  
**Dated: 21<sup>st</sup> March, 2022**

To,

The General Manager (Environment),  
M/s Western Coalfields Ltd,  
Coal Estate, 9<sup>th</sup> Floor, Civil Lines,  
**Nagpur** - 1 (Maharashtra)  
**Email:** [gmenvironment.wcl@nic.in](mailto:gmenvironment.wcl@nic.in); [wclenv@yahoo.in](mailto:wclenv@yahoo.in)

**Sub: Expansion of Makardhokra- I OC mine (Phase-I) for increase of production capacity from 3.50 MTPA to 4.2 MTPA in land area of 614.69 ha of M/s Western Coalfields Limited located near village Shirpur, Tehsil Umrer, District Nagpur (Maharashtra) – For Environmental Clearance - under MoEF&CC O.M. dated 15.09.2017– reg.**

Sir,

This has reference to your online proposal No. IA/MH/CMIN/240491/2021 dated 22<sup>nd</sup> December, 2021, submitted to this Ministry for grant of Environmental Clearance (EC) in terms of the provisions of the Environment Impact Assessment (EIA) Notification, 2006 under the Environment (Protection) Act, 1986 for Expansion of Makardhokra- I OC mine (Phase-I) for increase of production capacity from 3.50 MTPA to 4.2 MTPA in land area of 614.69 ha of M/s Western Coalfields Limited located near village Shirpur, Tehsil Umrer, District Nagpur (Maharashtra).

2. The project/activity is covered under category 'A' of item 1(a) 'Mining of Minerals' the Schedule to the EIA Notification, 2006

3. The proposal was considered by the Expert Appraisal Committee (EAC) in its 24<sup>th</sup> EAC meeting held on 30<sup>th</sup> December, 2021, 25<sup>th</sup> meeting held during 18 to 20 January, 2022 and 26<sup>th</sup> meeting held on 18<sup>th</sup> February, 2022. The details of the project, as per the documents submitted by the project proponent, and also as informed during the meeting, are reported to be as under: -

- (i) The project area is covered under Survey of India Topo Sheet No 55 P/1 and 55 P/5 is bounded by the geographical coordinates ranging from latitude N 20°50'33" to 20°52'14" and Longitude E 79°14'7.8" to 79°16'24".
- (ii) Coal linkage of the project is from Thermal power plants of MAHAGENCO & Miscellaneous consumers. There is no Joint venture involved.
- (iii) Project does not fall in the Critically Polluted Area (CPA), where the MoEF&CC's vide its OM dated 13<sup>th</sup> January, 2010 wherein moratorium is imposed on grant of environment



सत्यमेव जयते

File No.: J-11015/54/2006-IA-II(M)  
Government of India  
Ministry of Environment, Forest and Climate Change  
IA Division

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Dated 08/02/2024



To,

Shri A K Dixit  
Western Coalfields Limited  
Coal Estate Civil lines, Nagpur-440001 Coal Estate Civil lines, Nagpur-440001, , NAGPUR,  
MAHARASHTRA, , 440001  
wclenv07@gmail.com

**Subject:** Expansion of Makardhokra- I OC mine (Phase-I) for production capacity from 3.5 MTPA to 4.2 MTPA of M/s Western Coalfields Limited in mine lease area of 614.69 ha located near Tehsil Umrer, District Nagpur (Maharashtra)- For Amendment in Environmental Clearance- reg.

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/MH/CMIN/445137/2023 dated 10/10/2023 for grant of an amendment in prior Environmental Clearance (EC) to the project under the provision of the EIA Notification 2006-and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC23A0101MH5464044A
(ii) File No.	J-11015/54/2006-IA-II(M)
(iii) Clearance Type	Amendment in EC
(iv) Category	A
(v) Schedule No./ Project Activity	1(a) Mining of minerals
(vi) Sector	Coal Mining
(vii) Name of Project	Expansion of Makardhokra I OC Mine (Phase-I) for increase in production capacity from 3.50 MTPA to 4.20 MTPA in land area 614.69 Ha of WCL Umrer Area located near Shirpur Village, Tehsil Umrer, District Nagpur (Maharashtra) - Amendment in EC reg.
(viii) Location of Project (District, State)	NAGPUR, MAHARASHTRA
(ix) Issuing Authority	MoEF&CC
(x) EC Date	



सत्यमेव जयते

File No.: J-11015/54/2006-IA-II(M)  
Government of India  
Ministry of Environment, Forest and Climate  
Change  
IA Division  
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Dated 21/02/2025



To,  
Sh. A K Dixit  
M/s Western Coalfields Limited  
Coal Estate Civil lines, Nagpur-440001, Maharashtra  
E-mail: wclenv07@gmail.com

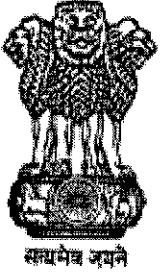
**Subject:** Expansion of Makardhokra I OC Mine (Phase – I) (area 614.69 Ha having capacity 4.20 MTPA) by M/s Western Coalfields Limited, located at Villages: Katara, Khursapar, Shirpur, Dhamangaon, Kanwha; District: Nagpur, State: Maharashtra – Amendment in EC - Regarding

Sir/Madam,

This is with reference to your online application vide proposal No. IA/MH/CMIN/501298/2024 dated 02/12/2024 along with CAF (Part A, B and C) and written submission dated 08.02.2025 seeking for amendment in Environment Clearance accorded by the Ministry vide letter no. J-11015/54/2006-IA. II(M) dated: 21.03.2022 and its subsequent amendment dated 08.02.2024, under the provisions of the EIA Notification, 2006 for the project mentioned above.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC24A0101MH5800119A
(ii) File No.	J-11015/54/2006-IA-II(M)
(iii) Clearance Type	Amendment in EC
(iv) Category	A
(v) Schedule No./ Project Activity	1(a) Mining of minerals
(vi) Sector	Coal Mining Expansion of Makardhokra I OC Mine (Phase-I) for increase in production capacity from 3.50 MTPA to 4.20 MTPA in land area 614.69 Ha of WCL Umrer Area located near Shirpur Village, Tehsil Umrer, District Nagpur (Maharashtra) - Amendment in EC reg.
(vii) Name of Project	
(viii) Location of Project (District, State)	NAGPUR, MAHARASHTRA
(ix) Issuing Authority	MoEF&CC



सत्यमेव जयते

No. J-11015/54/2006-IA-II (M)

Government of India

Ministry of Environment, Forest & Climate Change

Impact Assessment Division

\*\*\*\*\*

Indira ParyavaranBhawan,  
Jorbagh Road, N Delhi – 3

Email: lk.bokolia@nic.in Tel: 01124695368

Dated: 20<sup>th</sup> May, 2021

To,

The General Manager (Environment),

M/s Western Coalfields Ltd,

Coal Estate, 9<sup>th</sup> Floor, Civil Lines,

Nagpur - 1 (Maharashtra)

Email: [gmenvironment.wcl@nic.in](mailto:gmenvironment.wcl@nic.in); [wclenv@yahoo.in](mailto:wclenv@yahoo.in)

**Sub: Expansion of Makardhokra-I Opencast mine (Phase-I) in Capacity from 2 MTPA to 3.50 MTPA of M/s Western Coalfields Limited in mine lease area of 614.69 ha located in Tehsil Umrer, District Nagpur (Maharashtra) – For Environmental Clearance – reg.**

Sir,

This has reference to your online proposal No. IA/MH/CMIN/154498/2018 dated 31<sup>st</sup> May, 2020, submitted to this Ministry for grant of Environmental Clearance (EC) in terms of the provisions of the Environment Impact Assessment (EIA) Notification, 2006 under the Environment (Protection) Act, 1986 for Expansion of Makardhokra-I Opencast mine (Phase-I) in Capacity from 2 MTPA to 3.50 MTPA of M/s Western Coalfields Limited in mine lease area of 614.69 ha located in Tehsil Umrer, District Nagpur (Maharashtra).

2. The project/activity is covered under category 'A' of item 1(a) 'Mining of Minerals' the Schedule to the EIA Notification, 2006

3. The proposal was considered by the Expert Appraisal Committee (EAC) in its 56<sup>th</sup> meeting held on 30<sup>th</sup> June, 2020, 9<sup>th</sup> meeting held on 11<sup>th</sup> February, 2021 and 11<sup>th</sup> meeting held on 9<sup>th</sup> April, 2021. The details of the project, as per the documents submitted by the project proponent, and also as informed during the meeting, are reported to be as under: -

- (i) The existing Makardhokra –I OC Coal mine project has been granted environmental clearance vide ref no. J-11015/54/2006-IA. II (M) dated 26.11.2015 for production capacity of 2.00 MTPA within ML area of 660.70 Ha.
- (ii) The present proposal is for obtaining Environmental Clearance for Expansion of Makardhokra I OC (Phase-I) by increasing production capacity from 2.00 MTPA to 3.50 MTPA within ML area of 614.69 Ha.
- (iii) ToR for the expansion proposal for increasing production capacity from 2.00 MTPA to 3.50 MTPA within 614.69 ha area has been granted vide MoEF&CC Letter No. J-11015/54/2006-IA. II (M) dated 07.11.2019.
- (iv) The project area is covered under Survey of India Topo Sheet No 55 P/1 and 55 P/5 is bounded by the geographical coordinates ranging from latitude N 20°50'33" to 20°52'14" and Longitude E 79°14'7.8" to 79°16'24".

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No. J-11015/54/2006-IA-II (M) pt. file  
Government of India  
Ministry of Environment, Forest & Climate Change  
IA-II (Coal Mining) Division

Indira Paryavaran Bhawan,  
Jorbagh Road, N Delhi-3

Dated: 26<sup>th</sup> November, 2015

To,

The General Manager (Environment),  
M/s Western Coalfields Ltd.,  
Coal Estate, 9<sup>th</sup> Floor, Civil Lines,  
**NAGPUR** – 440 001 (Maharashtra)

Phone: 0712 – 2510151

Email: [gmenvironment.wcl@nic.in](mailto:gmenvironment.wcl@nic.in); [wclenv@yahoo.in](mailto:wclenv@yahoo.in)

**Sub: Expansion under 7(ii) of EIA Notification, 2006 of Makardhokra - I Open Cast Coal Mine Project from 1 MTPA to 2 MTPA in a lease area 660.70 ha located in District Nagpur (Maharashtra) of M/s Western Coalfields Ltd. - Environmental Clearance - reg.**

Sir,

This is with reference to your application No. IA/MH/CMIN/9246/2006 dated 27.09.2015 and subsequent letters dated 01.10.2015; 09.10.2015 and 16.10.2015 for environmental clearance on the above-mentioned subject.

2. The Ministry of Environment, Forest & Climate Change has considered the application. It is noted that the proposal is for grant of Environmental Clearance for **Expansion of Makardhokra-I Open Cast Coal Mine Project from 1 MTPA to 2 MTPA in a lease area 660.70 ha (Latitude 20° 51' 06" & 20° 52' 30" N and Longitude 79° 14' 17" & 79° 15' 52" E) located in District Nagpur (Maharashtra) of M/s Western Coalfields Ltd.**

3. The proposal was considered by the Expert Appraisal Committee (EAC) in the Ministry for Thermal & Coal Mining Projects, in its 44<sup>th</sup> EAC meeting held on 8<sup>th</sup> - 9<sup>th</sup> October, 2015. The details of the project, as per the documents submitted by the project proponent (PP), and also as informed during the above said EAC meetings, are reported to be as under:-

- i. The project of 1.0 MTPA was earlier accorded EC vide letter No.J-11015/54/2005-IA.II (M) dated 2.8.2006.
- ii. The latitude and longitude of the project are 20° 51' 06" & 20° 52' 30" N and 79° 14' 17" & 79° 15' 52" E respectively.
- iii. Joint Venture: no Joint Venture.
- iv. Coal Linkage : Thermal power plants of MAHAGENCO & Miscellaneous consumers.

Makardhokra Exp from 1-2 MTPA OCP \_EC by M/s WCL

SK

# MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437  
 Fax: 24023516  
 Website: <http://mpcb.gov.in>  
 Email: [cac-cell@mpcb.gov.in](mailto:cac-cell@mpcb.gov.in)



Kalpataru Point, 2nd, 3rd  
 and 4th floor, Opp. Cine  
 Planet Cinema, Near Sion  
 Circle, Sion (E),  
 Mumbai-400022

RED/L.S.I (R35)/ Rev. RED/I.S./ (88.1)  
 No:- Format1.0/CAC/UAN No.MPCB-  
 CONSENT-0000269190/CR/2604002170

Date: 22/04/2026

To,  
 M/s Western Coalfields Limited,  
 Makardhokda-I, Open Cast Mine Expansion Project,  
 Post: Shirpur, Tal:Umred,Dist-Nagpur.



**Sub: Renewal of Consent to Operate.**

- Ref:**
1. Earlier Consent to Operate obtained vide Format1.0/CAC/UAN No.MPCB-CONSENT-0000160392/CR/2307001141 dtd 18/07/2023.
  2. Minutes of Part 1 of 18th CAC Meeting of 2025-26 (Booklet No. 18) dtd. 30/03/2026.

Your application No.MPCB-CONSENT-0000269190 Dated 05.12.2025

For: Grant of Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 and Rule 18(7) of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. **The consent to renewal is granted for a period up to 31/03/2028**
2. **The capital investment of the project is Rs.337.7579 Crs. (As per Balance Sheet submitted by industry Existing CI is Rs. 226.60 Crs + Increase in C.I. is Rs. 111.1579 Crs)**
3. **Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	Coal Mining	4.2	MTPA

(On mine lease area of 614.69 Ha)

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	3766	As per Schedule-I	Recycle for dust suppression, firefighting, green belt development and plantation
2.	Domestic effluent	10.24	As per Schedule-I	On land for gardening

# MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437  
Fax: 24023516  
Website: <http://mpcb.gov.in>  
Email: [cac-cell@mpcb.gov.in](mailto:cac-cell@mpcb.gov.in)



Kalpataru Point, 2nd and  
4th floor, Opp. Cine Planet  
Cinema, Near Sion Circle,  
Sion (E), Mumbai-400022

RED/L.S.I (R35)  
No:- Format1.0/CAC/UAN No.MPCB-  
CONSENT-0000133816/CO/2203001248

Date: 24/03/2022

To,  
M/s Western Coalfields Limited,  
Makardhokda-I, Open Cast Mine Expansion Project,  
Post: Shirpur, Tal:Umred,Dist-Nagpur.



Your Service is Our Duty

**Sub:** First Consent to operate for expansion with amalgamation of renewal of existing mine under RED category (Renewal application-UAN-0000130749, C2O Expansion application-UAN- 0000133816 & C2E expansion application-0000133789)

**Ref:**

1. Earlier consent granted by Board for existing mine vide No.Format1.0/BO/CAC-Cell/CAC-UAN No.114951/CC-1901000356 (For Existing Coal Mine -3.5 MTPA) dated 08.12.2021 valid up to 31.03.2022.
2. Minutes of Consent Appraisal Committee Meeting held on 24.03.2022 (Circulation Agenda)

Your application No.MPCB-CONSENT-0000133816 Dated 09.03.2022

For: grant of Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. **The consent to operate is granted for a period up to 31/03/2023**
2. **The capital investment of the project is Rs.204.68 Cr Crs. (As per C.A Certificate submitted by industry Existing CI is-Rs. 191.48.Cr + Increase in C.I. towards expansion - Rs. 13.2 Cr=Total CI-Rs.204.68 Cr)**
3. **Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	Coal	4.2	MTPA

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	1888	As per Schedule-I	Recycle for dust suppression, firefighting, green belt development and plantation

# Annexure - III



## Annexure - IV

**F. No- CCSD-51013/9/2018-CCSD [E- 340828]**

**भारत सरकार /Government of India**

**कोयला मंत्रालय /Ministry of Coal**

**एम.पी.एस अनुभाग /MPS Section**

\*\*\*\*\*

कमरा नंबर 622-ए, शास्त्री भवन,  
नई दिल्ली, दिनांक 10th मई, 2025

**Office Memorandum**

**Subject: Star Rating of all coal and lignite mines for the year 2023-24-reg**

The undersigned is directed to forward herewith the company-wise and mine-wise results of star rating for the year 2023-24 and to request to upload this result on the dedicated portal of Star Rating of this Ministry under intimation to MPS Section.

Encl. as above.

Digitally signed by

Hitlar Singh

Date: 10-05-2025

21:40:52

(हिटलर सिंह)

अवर सचिव, भारत सरकार

ईमेल: [hitlar.singh85@nic.in](mailto:hitlar.singh85@nic.in)

**To**

**National Informatics Cell,  
Ministry of Coal**

Star Rating of Opencast Mines for the Performance base year 2023-24						
Sl No	Name of Mine	Type of Mine	Subsidiary/ Company	Financial Year	Final marks (%) awarded by CCO	Star Rating
1	JAYANT OCP	OC	NCL	2023-2024	96	5 Star
2	LIGNITE MINE 1A	OC	NLCIL	2023-2024	96	5 Star
3	PAKRI BARWADIH COALMINING PROJECT, NTPC LTD.	OC	NTPC LTD.	2023-2024	96	5 Star
4	KAPURDI LIGNITE MINE	OC	BLMCL	2023-2024	95	5 Star
5	GARE PALMA IV/1 COAL MINE	OC	JPL	2023-2024	94	5 Star
6	KHADIA OCP	OC	NCL	2023-2024	94	5 Star
7	KULDA OPEN CASTPROJECT	OC	MCL	2023-2024	94	5 Star
8	TALABIRA II & III OCP	OC	NLCIL	2023-2024	94	5 Star
9	JHINGURDA	OC	NCL	2023-2024	93	5 Star
10	KRISHNASHILA OCP	OC	NCL	2023-2024	93	5 Star
11	MANOHARPUR OPEN CASTCOAL MINE	OC	OCPL	2023-2024	93	5 Star
12	MOHER & MOHERAMLOHRI EXT OCPROJECT	OC	SPL	2023-2024	93	5 Star
13	BARSINGSAR LIGNITE MINE	OC	NLCIL	2023-2024	92	5 Star
14	BLOCK-B OCP	OC	NCL	2023-2024	92	5 Star
15	RAMAGUNDAM OC-I EXP.PH-II	OC	SCCL	2023-2024	92	5 Star
16	AMELIA (NORTH) COAL MINE	OC	JPVL	2023-2024	91	5 Star
17	AMRAPALI OCP	OC	CCL	2023-2024	91	5 Star
18	ANANTA OPENCASPROJECT	OC	MCL	2023-2024	91	5 Star
19	BELPAHAR OCM	OC	MCL	2023-2024	91	5 Star
20	BHUBANESWARI OCP	OC	MCL	2023-2024	91	5 Star
21	BIRSA PROJECT	OC	CCL	2023-2024	91	5 Star
22	DULANGA COAL MININGPROJECT	OC	NML	2023-2024	91	5 Star
23	GARE PALMA IV/4 COALMINES	OC	HIL	2023-2024	91	5 Star
24	GOKUL OCM	OC	WCL	2023-2024	91	5 Star
25	GOPALJI-KANIHA-EXPANSION OCP	OC	MCL	2023-2024	91	5 Star
26	JAWAHARKHANI 5 OC	OC	SCCL	2023-2024	91	5 Star
27	LAJKURA OCP	OC	MCL	2023-2024	91	5 Star
28	MAKARDHOKDA-IOCM	OC	WCL	2023-2024	91	5 Star
29	NIGAHI OCP	OC	NCL	2023-2024	91	5 Star
30	SAMLESWARI OPEN CASTPROJECT	OC	MCL	2023-2024	91	5 Star
31	TADICHERLA-I COAL MINE	OC	TSPGCL	2023-2024	91	5 Star
32	AMLOHRI OPEN CAST PROJECTNCL	OC	NCL	2023-2024	89	4 Star
33	DINESH OPEN CAST MINE	OC	WCL	2023-2024	89	4 Star
34	DUDHICHUA	OC	NCL	2023-2024	89	4 Star
35	JALAGAMVENGALARAOC II	OC	SCCL	2023-2024	89	4 Star
36	JALIPA LIGNITE MINE	OC	BLMCL	2023-2024	89	4 Star
37	MUNGOLI OPENCASPROJECT	OC	WCL	2023-2024	89	4 Star
38	VASTAN MINE	OC	GIPCL	2023-2024	89	4 Star
39	DIPKA 01 A OC	OC	SECL	2023-2024	88	4 Star
40	GONDEGAON OCM	OC	WCL	2023-2024	88	4 Star
41	KAKRI OPENCASPROJECT	OC	NCL	2023-2024	88	4 Star
42	KHAIRAGURA OCP	OC	SCCL	2023-2024	88	4 Star
43	KISTARAM OC	OC	SCCL	2023-2024	88	4 Star
44	NEELJAY DEEP OCM	OC	WCL	2023-2024	88	4 Star
45	UKNI OCM	OC	WCL	2023-2024	88	4 Star
46	BINA OCP	OC	NCL	2023-2024	87	4 Star
47	KOYAGUDEM OC-II	OC	SCCL	2023-2024	87	4 Star
48	LINGARAJ OCP	OC	MCL	2023-2024	87	4 Star
49	MANUGURU OCP	OC	SCCL	2023-2024	87	4 Star
50	PAUNI II EXPANSION OC	OC	WCL	2023-2024	87	4 Star
51	PRAKASHAMKHANI OC	OC	SCCL	2023-2024	87	4 Star
52	QUARRY-AB	OC	TSL	2023-2024	87	4 Star
53	SHARDA OCP	OC	SECL	2023-2024	87	4 Star
54	SINGHORI DEEP OC MINE	OC	WCL	2023-2024	87	4 Star
55	SONEPUR BAZARI	OC	ECL	2023-2024	87	4 Star
56	VALIA LIGNITE MINE	OC	GIPCL	2023-2024	87	4 Star
57	BHARATPUR OCP	OC	MCL	2023-2024	86	4 Star
58	CHATTI BARIATU COALMINING PROJECT	OC	NTPC LTD	2023-2024	86	4 Star
59	LAKHANPUR OCP	OC	MCL	2023-2024	86	4 Star
60	LIGNITE MINE I	OC	NLCIL	2023-2024	86	4 Star
61	LIGNITE MINE II	OC	NLCIL	2023-2024	86	4 Star
62	MAGADH OCP	OC	CCL	2023-2024	86	4 Star
63	SASTI EXPANSION OC	OC	WCL	2023-2024	86	4 Star
64	SIARMAL OCP	OC	MCL	2023-2024	86	4 Star
65	TALAIPELLI COAL MININGPROJECT	OC	NTPC LTD.	2023-2024	86	4 Star
66	UMRER OPENCASPROJECT	OC	WCL	2023-2024	86	4 Star
67	BHATADI EXPANSIONOPENCASPROJECT	OC	WCL	2023-2024	85	4 Star
68	GURHA (EAST) LIGNITEMINE	OC	VSPL	2023-2024	85	4 Star
69	JAGANNATH COLLIERY	OC	MCL	2023-2024	85	4 Star
70	KERANDARI COAL MININGPROJECT	OC	NTPC LTD.	2023-2024	85	4 Star
71	URIMARI OCP	OC	CCL	2023-2024	85	4 Star

No. CC/Tech/Star Rating/2022-23  
GOVERNMENT OF INDIA  
MINISTRY OF COAL  
COAL CONTROLLER'S ORGANISATION

5th floor, Core-2,  
Scope Minar, Laxmi Nagar,  
Delhi — 110092.

Dated. the 20<sup>th</sup> March, 2024.

To  
Sri Hitlar Singh,  
Under Secretary (CCSD),  
Ministry of Coal, Shastri Bhawan  
New Delhi - 110001

**Subject: - Result of Star Rating of all coal/lignite mines for the performance base year 2022-23.**

I am directed to inform you that the assessment of star Rating of coal/lignite mines based on the performance of 2022-23 has been reviewed by competent authority.

Mine wise % of final marks and Star Rating awarded, has been given in Annexure-A for Underground mines (150 mines), Annexure-B for Opencast mines (216 mines) and Annexure-C for Mixed mines (14 mines).

This issues with the approval of Coal Controller.

Enclosure: As above.

*Aarti*  
20/3/24  
(Aarti Mahawar)

Deputy Director

Copy to:

1. Advisor (Project), MoC, Shastri Bhawan, New Delhi - 110001.
2. Star Rating Section, CCO.

Star Rating of Open Cast mines for the performance base year 2022-23						
Sr. No.	Name of Mine	Type of Mine	Subsidiary/ Company	Financial Year	Final marks (%) awarded by CCO	Star Rating
1	KRISHNASHILA	OC	NCL	2022-2023	99	5 Star
2	Barsingsar Lignite Mine	OC	NLCIL	2022-2023	97	5 Star
3	Jayant OCP	OC	NCL	2022-2023	95	5 Star
4	JHINGURDA	OC	NCL	2022-2023	95	5 Star
5	KULDA OPENCAS T PROJECT	OC	MCL	2022-2023	95	5 Star
6	DULANGA COAL MINING PROJECT	OC	NTPC Ltd.	2022-2023	94	5 Star
7	Neyveli Lignite Mine-IA	OC	NLCIL	2022-2023	94	5 Star
8	Manoharpur Coal Mine	OC	OCPL	2022-2023	94	5 Star
9	Khadia project	OC	NCL	2022-2023	94	5 Star
10	BLOCK-B OCP	OC	NCL	2022-2023	93	5 Star
11	Dudhichua	OC	NCL	2022-2023	93	5 Star
12	PARSA EAST & KANTA BASAN OPENCAS T COAL MINE	OC	PKCL	2022-2023	93	5 Star
13	Amlohri Open Cast Project	OC	NCL	2022-2023	92	5 Star
14	Ashok OCP	OC	CCL	2022-2023	92	5 Star
15	Talaipalli Coal Mining Project	OC	NTPC Ltd.	2022-2023	92	5 Star
16	Birsa Project	OC	CCL	2022-2023	92	5 Star
17	Dinesh Makardhokda3	OC	WCL	2022-2023	92	5 Star
18	GEVRA OCM	OC	SECL	2022-2023	92	5 Star
19	NIGAH I OCP	OC	NCL	2022-2023	92	5 Star
20	Kapurdi Lignite Mine	OC	BLMCL	2022-2023	92	5 Star
21	MAKARDHOKDA-1 OCM	OC	WCL	2022-2023	92	5 Star
22	LIGNITE MINE 1	OC	NLCIL	2022-2023	92	5 Star
23	LAKHANPUR OPENCAS T PROJECT	OC	MCL	2022-2023	92	5 Star
24	AMRAPALI OCP	OC	CCL	2022-2023	91	5 Star
25	Balram OCP	OC	MCL	2022-2023	91	5 Star
26	Talabira II & III OCP	OC	NLCIL	2022-2023	91	5 Star
27	SONEPUR BAZARI OPEN CAS T MINE	OC	ECL	2022-2023	91	5 Star
28	Bina Opencast	OC	NCL	2022-2023	91	5 Star
29	RAMAGUNDAM OC-I EXP. PH-II	OC	SCCL	2022-2023	91	5 Star
30	Gare Palma IV/1 Coal Mine	OC	JPL	2022-2023	91	5 Star
31	JAGANNATH OPEN CAS T PROJECT	OC	MCL	2022-2023	91	5 Star
32	Jawaharkhani OC 5	OC	SCCL	2022-2023	91	5 Star
33	Magadh OCP	OC	CCL	2022-2023	91	5 Star
34	GARE PALMA IV/4 COAL MINE	OC	HIL	2022-2023	90	4 Star
35	Pakri Barwadih Coal Mining Project	OC	NTPC Ltd.	2022-2023	89	4 Star
36	Indaramkhani OC	OC	SCCL	2022-2023	89	4 Star
37	Moher & Moher Amlohri Extn. OC Project	OC	SPL	2022-2023	89	4 Star
38	KISTARAM OC	OC	SCCL	2022-2023	89	4 Star
39	Amelia (North) Coal Mine	OC	JPVL	2022-2023	88	4 Star
40	Tadicherla-1 Coal Mine	OC	TSPGCL	2022-2023	88	4 Star
41	GOKUL OCM	OC	WCL	2022-2023	88	4 Star
42	Gopalichuck Colliery	OC	BCCL	2022-2023	88	4 Star
43	MANUGURU OCP	OC	SCCL	2022-2023	88	4 Star
44	LIGNITE MINE II	OC	NLCIL	2022-2023	88	4 Star
45	LAJKURA OPEN CAS T MINE	OC	MCL	2022-2023	88	4 Star



भारतसरकार  
**GOVERNMENT OF INDIA**  
 पर्यावरण, वन एवं जल वायुपरिवर्तनमंत्रालय  
**MINISTRY OF ENVIRONMENT, FOREST &  
 CLIMATE CHANGE**

Integrated Regional Office  
 Ground Floor, East Wing  
 New Secretariat Building  
 Civil Lines, Nagpur –  
 440001  
 apccfcentral-ngp-  
 mef@gov.in

F. No. EC-1031/RON/2019-NGP/9190

Dated: 21<sup>st</sup> January, 2022

To,

The Member Secretary,  
 IA-II (Coal Mining),  
 Ministry of Environment, Forest & Climate Change,  
 3<sup>rd</sup> Floor, Indira ParyavaranBhawan, Aliganj,  
 Jorbagh Road, New Delhi-110003  
 (Email: [lk.bokolia@nic.in](mailto:lk.bokolia@nic.in); [munna.shah@gov.in](mailto:munna.shah@gov.in))

(Kind Attention : Shri. Lalit Bokolia, Scientist-F)

**Sub: Closure report over partially complied conditions w.r.t. Certified Compliance Report issued on 05.11.2021 to M/s Western Coalfields Limited for Expansion of Makardhokra-I Opencast Coal Mine project (Phase-I) of capacity 2.0 MTPA to 3.50 MTPA in a mine lease area of 614.69 Ha located at Tehsil Umrer, District Nagpur (Maharashtra)-reg.**

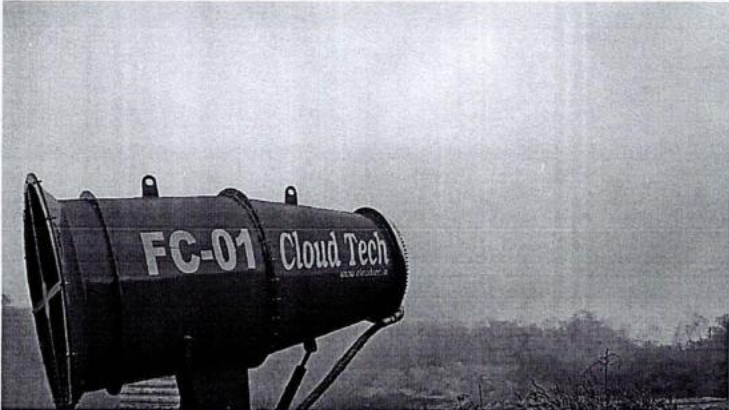
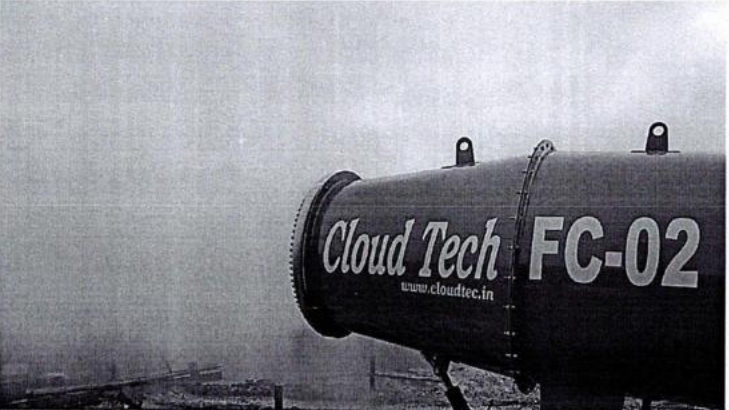
- Ref:**
- i. EC's granted vide letter No. granted vide letter No. J-11015/54/2006-IA-II (M) dated 20.05.2021
  - ii. CCR issued vide letter of even No. dated 05.11.2021
  - iii. Action taken report issued vide letter No. EC-1031/RON/2019-NGP/9055 dated 20.12.2021
  - iv. Project Proponent's letter No WCL/UA/AGM/ENV/2022/6954 dated 12.01.2022



Sir,


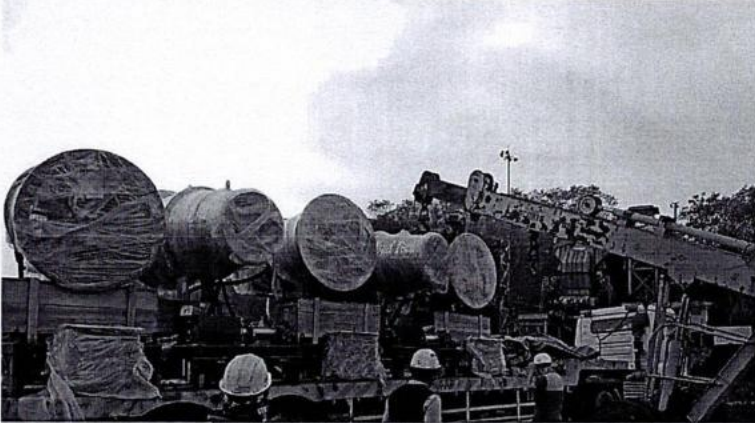
I am directed to refer to the subject and letters under reference above wherein, the MOEF&CC New Delhi accorded environment clearance to M/s Western Coalfields Limited for Expansion of Makardhokra-I Opencast Coal Mine project (Phase-I) of capacity 2.0 MTPA to 3.50 MTPA in a mine lease area of 614.69 Ha located at Tehsil Umrer, District Nagpur (Maharashtra). The project proponents vide their letter No. WCL/UA/AGM/ENV/2022/6954 dated 12.01.2022 requested the IRO, Nagpur for site visit to see the compliance of the additional queries raised in the certified compliance report under ref (ii). For the same the site visit was conducted by Integrated Regional office on 15.01.2022.

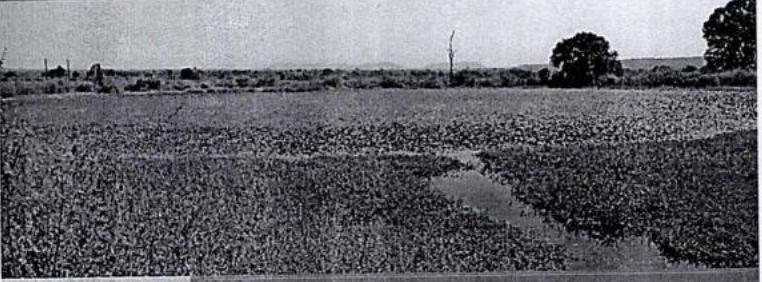

2. The present status on additional queries raised in the inspection report and the clarification/action plan submitted by PP and remarks of the IRO are as under:

Sl. No.	Compliance Condition	Observation by MoEF&CC	Compliance Status as on 15.01.2022
vii.	PP to plant 100,000 nos. of Sal trees only and develop nursery of 10 Ha sal trees for free distribution in nearby areas and Thick Greenbelt of adequate 50 mts width at the final boundary or along the transportation route in the down wind direction of the projects site shall be developed. A proper mechanism to be put in place for massive plantation by hiring expert agency in 2 years for proper survival of trees.	<p><b>Partially Complied</b></p> <p>The Sal species distribution is not in Maharashtra and more particularly in Nagpur District. Raising/ planting Sal will not be suitable in this area.</p> <p>The very purpose of reclamation/ stabilization of OB dumps will be defeated if suitable indigenous species are not planted.</p> <p>Therefore PP is requested to take-up the matter with MOEF&amp;CC for appropriate amendment/ modification in the said condition.</p>	<p><b>Complied.</b></p> <p>PP made an application for amendment in EC condition (Specific condition vii and viii) pertaining to Expansion of Makardhokra I OC mine (Phase-I) for production capacity of 3.50 MTPA in ML area of 614.69 ha located in Umred tehsil, Nagpur district, Maharashtra, to MOEF&amp;CC vide application no. IA/MH/CMIN/ 250943/2022 dated 11/01/2022.</p>
x.	10 nos. long ranging Fog Canon system shall be installed to reduce the impact of air pollution on haul road, OB dump, mining areas, CHP and railway siding.	<p><b>Partially Complied</b></p> <p>Purchase order for one no of trolley mounted fog cannon was issued and procurement of one no of Road Sweeping Machine and</p>	<p><b>Complied.</b></p> <p>PP has procured 10 nos. trolley mounted Fog cannons at Makardhokra-I OC Mine. Out of these 10 nos, 05 nos. of trolley mounted Fog cannons are commissioned. Location details are as follows:</p> <ul style="list-style-type: none"> <li>• Fog cannon at crushing points – 2 nos.</li> <li>• Fog cannon at coal stock yard – 1 no.</li> <li>• Fog cannon along coal transportation route – 01 no.</li> <li>• Fog cannon at Coal Handling Plant premises – 01 no.</li> </ul> <p>On the day of visit it was seen that another 5 Nos. of Fog Canon reached to the Makardhokra –I OC. Further 05 nos. of fog cannons will be put into operation within a week at the following places:</p> <ul style="list-style-type: none"> <li>• Fog cannon at railway siding – 02 nos.</li> </ul>

Sl. No.	Compliance Condition	Observation by MoEF&CC	Compliance Status as on 15.01.2022																		
		<p>truck mounted mist spray system are in the final stage of procurement.</p> <p>Further trolley mounted Fog cannon and truck mounted for cannons will be put in operation in next 1-2 years.</p>	<ul style="list-style-type: none"> <li>Fog cannon along transport route – 01 no.</li> <li>Fog cannon at coal stock yard – 01 no.</li> <li>Fog cannon at CHP – 01 no.</li> </ul> <p>Geotagged photographs are enclosed herewith for ready reference.</p> <div data-bbox="630 409 1361 981">  <p>FC-01 Cloud Tech</p> <p>Unnamed Road, Kanwha, Maharashtra 441203, India</p> <table border="1"> <thead> <tr> <th></th> <th>Decimal</th> <th>DMS</th> </tr> </thead> <tbody> <tr> <td>Latitude</td> <td>20.866502</td> <td>20°51'59" N</td> </tr> <tr> <td>Longitude</td> <td>79.26841</td> <td>79°16'6" E</td> </tr> </tbody> </table> </div> <div data-bbox="630 1003 1361 1579">  <p>Cloud Tech FC-02</p> <p>www.cloudtec.in</p> <p>Unnamed Road, Kanwha, Maharashtra 441203, India</p> <table border="1"> <thead> <tr> <th></th> <th>Decimal</th> <th>DMS</th> </tr> </thead> <tbody> <tr> <td>Latitude</td> <td>20.867467</td> <td>20°52'2" N</td> </tr> <tr> <td>Longitude</td> <td>79.268725</td> <td>79°16'7" E</td> </tr> </tbody> </table> </div>		Decimal	DMS	Latitude	20.866502	20°51'59" N	Longitude	79.26841	79°16'6" E		Decimal	DMS	Latitude	20.867467	20°52'2" N	Longitude	79.268725	79°16'7" E
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Sl. No.	Compliance Condition	Observation by MoEF&CC	Compliance Status as on 15.01.2022																		
			 <p data-bbox="614 622 1366 792">           Triple Story Rd, Wayagaon, Maharashtra 441204, India  <table border="1" data-bbox="821 667 1366 792"> <thead> <tr> <th></th> <th>Decimal</th> <th>DMS</th> </tr> </thead> <tbody> <tr> <td>Latitude</td> <td>20.873845</td> <td>20°52'25" N</td> </tr> <tr> <td>Longitude</td> <td>79.283147</td> <td>79°16'59" E</td> </tr> </tbody> </table> </p>  <p data-bbox="608 1234 1366 1404">           Unnamed Road, Kanwha, Maharashtra 441203, India  <table border="1" data-bbox="821 1279 1366 1404"> <thead> <tr> <th></th> <th>Decimal</th> <th>DMS</th> </tr> </thead> <tbody> <tr> <td>Latitude</td> <td>20.869596</td> <td>20°52'10" N</td> </tr> <tr> <td>Longitude</td> <td>79.270475</td> <td>79°16'13" E</td> </tr> </tbody> </table> </p>		Decimal	DMS	Latitude	20.873845	20°52'25" N	Longitude	79.283147	79°16'59" E		Decimal	DMS	Latitude	20.869596	20°52'10" N	Longitude	79.270475	79°16'13" E
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xxvii.	2 nos of Water Harvesting Pond of adequate area and depth shall be developed within 5 km of project area.	<b>Partially Complied</b> Work for construction of one no of Pond (30 m X 30 m) is under progress at Udasa village. Budget provision of Rs. 30.00 lakh is done through Environmental Protection	<b>Partially Complied.</b> The work of water harvesting pond of adequate area and depth has been taken up in the project area. Work for widening and deepening of 01 no. existing pond at Shirpur village has been completed, departmentally. <p style="text-align: center;"><b>Widening-deepening of existing pond at Shirpur</b></p>																		

Sl. No.	Compliance Condition	Observation by MoEF&CC Measures.	Compliance Status as on 15.01.2022																		
			 <table border="1" data-bbox="646 616 1412 772"> <thead> <tr> <th></th> <th>Decimal</th> <th>DMS</th> </tr> </thead> <tbody> <tr> <td>Latitude</td> <td>20.854044</td> <td>20°51'14" N</td> </tr> <tr> <td>Longitude</td> <td>79.249953</td> <td>79°14'59" E</td> </tr> </tbody> </table> <p data-bbox="606 784 1380 851">Construction of 01 no. of water harvesting pond (new) (120m X 70 m approx.) is under progress at Shirpur village. (Completion Mar'2022)</p> <p data-bbox="646 862 1412 907"><b>Construction site, Water Harvesting Pond (New), Shirpur Village</b></p>  <table border="1" data-bbox="646 1153 1412 1310"> <thead> <tr> <th></th> <th>Decimal</th> <th>DMS</th> </tr> </thead> <tbody> <tr> <td>Latitude</td> <td>20.854914</td> <td>20°51'17" N</td> </tr> <tr> <td>Longitude</td> <td>79.243657</td> <td>79°14'37" E</td> </tr> </tbody> </table>		Decimal	DMS	Latitude	20.854044	20°51'14" N	Longitude	79.249953	79°14'59" E		Decimal	DMS	Latitude	20.854914	20°51'17" N	Longitude	79.243657	79°14'37" E
	Decimal	DMS																			
Latitude	20.854044	20°51'14" N																			
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	Decimal	DMS																			
Latitude	20.854914	20°51'17" N																			
Longitude	79.243657	79°14'37" E																			

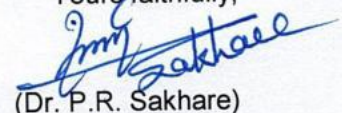
3. The PP has also informed that no court case in any court of law is pending against their project.

4. The PP has complied with the conditions to the maximum extent which were raised in the earlier inspection report dated 05.11.2021.

This issues with the approval of the Regional Officer, Integrated Regional Office, MoEF&CC, Nagpur

Encl: as above

Yours faithfully,



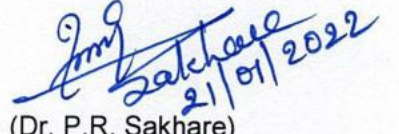
(Dr. P.R. Sakhare)

Scientist 'E'/Additional Director

**Copy to:**

- (i) Director RO HQ, MOEF&CC, IPB, 1<sup>st</sup> Floor Agni Wing, IPB, Jorbagh Road, ND-03. (Email: [manoj.moefcc@gmail.com](mailto:manoj.moefcc@gmail.com) )

- (ii) Director (Monitoring Cell), Ministry of Environment, Forest & Climate Change, Indira ParyavaranBhawan, Aliganj, Jorbagh Road, New Delhi-110003 (Email: [shruti.rai@nic.in](mailto:shruti.rai@nic.in))
- (iii) The Principal Secretary & The Member Secretary, SEIAA, Environment Department, Government of Maharashtra Room No., 217, 2nd Floor, Mantralaya, Annex, Mumbai - 400 032 (Maharashtra) (Email: [psec.env@maharashtra.gov.in](mailto:psec.env@maharashtra.gov.in) )
- (iv) The General Manager (Mining) / Sub Area Manager, Makardhokda -I Open Cast Mine, A/P: Umrer Town Ship. Tah. Umrer, Dist: Nagpur (MS)-441204 (Email: [anoumrer@gmail.com](mailto:anoumrer@gmail.com); [gmenvironment.wcl@nic.in](mailto:gmenvironment.wcl@nic.in))
- (v) Guard File.

  
21/01/2022

(Dr. P.R. Sakhare)  
Scientist 'E'/Additional Director



Under Jurisdiction of Nagpur Courts Only  
ISO: 9001 : 2008 Certified

वेस्टर्न कोलफील्ड्स लिमिटेड  
**WESTERN COALFIELDS LIMITED**

(A Mini Ratna Company)  
(Government of India Undertaking)  
(A Subsidiary of Coal India Limited)

OFFICE OF THE SUB AREA MANAGER  
**UMRER SUB AREA**  
PO: UMRER PROJECT  
DIST: NAGPUR (MS)  
PIN: 441 204  
PH No.07116-247145 FAX.07116-247374

Regd. Office : Coal Estate, Civil Lines, Nagpur 440 001

CIN of WCL : U10100MH1975GOI018626  
Website : westerncoal.nic.in

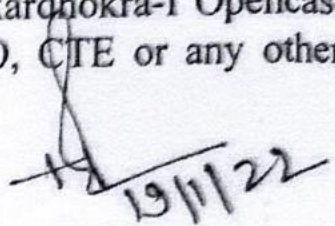
Ref.No. WCL/SAM/USA/ENV/2022/

620-A

Date: 19/01/2022

## Undertaking

This is to certify that there is no court case pending against Makardhokra-I Opencast Project (Phase-I), M/s Western Coalfields Limited i.r.t EC, CTO, CTE or any other environmental matter till date.

  
19/1/22  
Sub Area Manager  
Umrer Sub Area,  
WCL, Umrer Area



Sl. No.	Description	Structures	% Progress	Remarks
01	Design, drawings and approvals	All structures	94%	94% of drawings Submitted and 87% drawings approved CMPDIL.
02	Over Burden Rehandling		82 %	4.50LakhsOB re-handle out of 5.47 Lakhs with lead of 2.25 Km.
03	Truck Receiving Station (TRS)	Foundation work	100%	COMPLETED.
		RCC Retaining Wall	95%	Retaining Wall Completed upto 11.5m above G.L.
		Grade Slab Below Hopper	100%	COMPLETED
		Steel Hoppers (4Nos.) of 120 Ton each	100%	Erection work in progress.
		Ramp and Platform	45%	Backfilling in progress.
04	Conveyor System (i)C-1 Conveyor	Conveyor Foundation, total 88nos.	100%	COMPLETED.
		Structural Steel(Fabrication)	100%	COMPLETED.
		Structural steel (Erection)	95%	Erection work is in progress.
	(ii)C-2Conveyor	Conveyor Foundation, total 78 nos.	100%	COMPLETED.
		Structural steel (Fabrication )	100%	COMPLETED.

Sl. No.	Description	Structures	% Progress	Remarks
		(Structural Steel (Erection))	75%	.Erection work in progress.
05	Transfer Houses	TH-A (Foundation)	100%	Work Completed
		TH-B (Foundation)	100%	Foundation work completed.
06	Drive Houses	DH-A (Foundation)	97%	Work in progress.
		DH-B (Foundation)	97%	Work in progress.
07	Electrical Substations	SS-1	95%	Work in progress.
08	Road Work		65%	Excavation, filling and leveling work completed. GSB work is DLC work in Progress.
09	Admin Building	Main office Building	92%	Ground floor slab work completed. First floor slab work completed. Brickwork in progress.
10	Non-Plant Building	Security	95%	Slab completed. Brickwork completed. Plaster work completed.
11	Non-Plant Building	LMV Parking Shed	80%	Civil work completed. Fabrication work is in progress.
12	Non-Plant Building	Scooter Parking Shed	80%	Civil work completed. Fabrication work is in progress.
13	Non-Plant Building	Bridge-1	65%	Work in progress.
14	Non-Plant Building	Bridge-2	50%	Work in progress.
15	Non-Plant Building	Bridge-3	5%	Reinforcement Work in progress.
16	Non-Plant Building	Drain	40%	Work in progress.
17	Non-Plant Building	COMPOUND WALL	35%	EXCAVATION & PCC work in progress
18	Non-Plant Building	PUMP HOUSE-1	5%	Reinforcement Work in progress.
19	Non-Plant Building	PUMP HOUSE-2	5%	Reinforcement Work in progress
20	Non-Plant Building	WEIGH-BRIDGE	0%	T0 be Started Shortly
21	Non-Plant Building	COMPRESOR HOUSE	10%	Excavation Completed. Rcc Footing Completed.

17	SupplyofBought Out material	Supplyofconveyorbeltfor C-1 Conveyor	100 %	
		Supply of technological structures (i.e. carring brackets, stools, stringer and N-bearing) for C-1 Conveyor	100 %	
		Supplyofdeckingplatefor C-1 Conveyor	100 %	
		Supplyofconveyorbeltfor C-2 Conveyor	100 %	
		Supplyof technological structures (i.e. carring brackets, stools, stringer and N-bearing) for C-2 Conveyor	100 %	
		Supplyofdeckingplatefor C-2 Conveyor	100 %	
		VIBRO FEEDER 400TPH	100%	
		GEAR BOX	100%	
		IDLERS – C 1	100%	
		IDLERS – C 2	100%	
		PULLEY WITH PLUMMER BLOCKS	100%	
		WEIGH BRIDGE (2no's)	0%	

**A. Status of Payments:**

Sl. No.	Description	Amount in ₹	Remarks
01	Payment in 2024-25	<b>₹36.74 Cr</b>	1 <sup>st</sup> RA bill amount is Rs. 26.06 Cr. 2 <sup>nd</sup> RA bill amount is 6.00 Cr. 3 <sup>rd</sup> RA bill amount is 4.60Cr. 4 <sup>th</sup> RA bill amount is4.87 Cr.
	Payment in 2025-26	<b>22.45 Cr</b>	5 <sup>th</sup> RA bill amount is 4.59 Cr. 6 <sup>th</sup> RA bill amount is 2.71 Cr. 7 <sup>th</sup> RA bill amount is 10.36 Cr 8 <sup>th</sup> RA bill amount is 8.67 Cr
02	Actual up to date expenditure	<b>₹ 67.86 Cr</b>	

**B. (i) Physical Progress(Capital Work) : 75% (As on 08.05.2026)**

**(ii) Physical Progress (Revenue work): NIL**

**C. (1)Financial Progress(Capital Work): 57% (As on 08.05.2026)**

**(2) Physical Progress (Revenue work): NIL**



## Annexure - VII

Area Nodal Officer Evt. Umrer Area, WCL &lt;anoumrer@gmail.com&gt;

**Application for CGWA NOC Renewal (2nd) – Makardhokra-I OC Mine – Application no. 21-4/685/MH/MIN/2017**

2 messages

Area Nodal Officer Evt. Umrer Area, WCL &lt;anoumrer@gmail.com&gt;

Sun, Jun 9, 2024 at 2:40 AM

To: Central Ground Water Authority &lt;cgwa@nic.in&gt;

Cc: N Varadaraj &lt;rdr-cgwb@nic.in&gt;, tscr-cgwb &lt;tscr-cgwb@nic.in&gt;, MOHAMMAD SABIR &lt;agmumrer.wcl@coalindia.in&gt;, "GM GM(ENVIRONMENT)" &lt;gmenvironment.wcl@coalindia.in&gt;

Sir,

CGWA NOC has been secured for Makardhokra-I OC vide no. CGWA/NOC/MIN/ORIG/2020/8139 for dewatering quantum of 2268 m<sup>3</sup>/day with a validity from 09.06.2020 to 08.06.2022.

CGWA NOC Renewal application (1<sup>st</sup> renewal) was applied vide dated 07.06.2022 (through email mode) due to error at NOCAP portal and on 31.01.2023 (through NOCAP mode). 1<sup>st</sup> CGWA NOC renewal application is under process and formal NOC is yet to be received as on date.

Once formal CGWA NOC 1<sup>st</sup> renewal is granted, the NOC will be valid from 09.06.2022 to 08.06.2024. Formal letter awaited as on date.

As the 1<sup>st</sup> CGWA NOC letter has not been issued, therefore the window for online application through NOCAP for 2<sup>nd</sup> CGWA NOC renewal application has not been opened.

Now, as an advance action, this application for CGWA NOC renewal (2<sup>nd</sup> renewal) for the duration of 09.06.2024 to 08.06.2026, is being submitted in offline mode/ through email along with all the requisite documents such as CHR with Modelling report through accredited consultant considering the rainfall component and as per the latest SOP of CGWA in vogue, compliance of CGWA NOC conditions, deposition of requisite fees, etc.

In view of the above, it is sincerely requested to kindly consider our application for grant of CGWA NOC (2<sup>nd</sup> renewal) in respect of Makardhokra-I OC (application no. 21-4/685/MH/MIN/2017) for the duration of 09.06.2024 to 08.06.2026.

Encl.as above

Regards,

ANO (Evt.)

WCL, Umrer Area

<https://drive.google.com/drive/u/1/folders/1voswayrnlP-7bsgVNqRRGzLeQW4ddaiH>

Area Nodal Officer Evt. Umrer Area, WCL &lt;anoumrer@gmail.com&gt;

Thu, Nov 14, 2024 at 2:15 PM

To: rakeshk@coalindia.in

[Quoted text hidden]



Government of India  
Ministry of Jal Shakti  
Department of Water Resources, River Development and Ganga Rejuvenation  
Central Ground Water Authority (CGWA)



**Application for Issue of NOC to Abstract Ground Water (NOCAP)**

Welcome : gmwcd

Previous Login Date Time: 04/03/2026 06:28:00 AM , IP Address: 49.36.35.84

Logout

- [Applicant Home](#)
- [Apply](#)
- [Feedback](#)
- [Change Password](#)
- [Update PAN](#)
- [Profile](#)
- [Grievance](#)
- [Submitted Application Payment](#)
- [Application Pass Book](#)

Information	Application Status										
<p>Guidelines</p> <p>Steps for Filing Online Application</p> <p><b>Documents Required</b></p> <p>Documents Required for Online Application</p> <p>▶ Industrial</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Application No :</td> <td>21-4/685/MH/MIN/2017</td> </tr> <tr> <td>Receive Date :</td> <td>18/03/2025</td> </tr> <tr> <td>Name of Mining :</td> <td>MAKARDHOKRA-I OC</td> </tr> <tr> <td>Application Processing Fee :</td> <td>Rs. 5000.00/- (Rupees Five Thousand Only) (Submitted: Yes)</td> </tr> <tr> <td>Ground Water Abstraction/Restoration</td> <td>Charge:</td> </tr> </table>	Application No :	21-4/685/MH/MIN/2017	Receive Date :	18/03/2025	Name of Mining :	MAKARDHOKRA-I OC	Application Processing Fee :	Rs. 5000.00/- (Rupees Five Thousand Only) (Submitted: Yes)	Ground Water Abstraction/Restoration	Charge:
Application No :	21-4/685/MH/MIN/2017										
Receive Date :	18/03/2025										
Name of Mining :	MAKARDHOKRA-I OC										
Application Processing Fee :	Rs. 5000.00/- (Rupees Five Thousand Only) (Submitted: Yes)										
Ground Water Abstraction/Restoration	Charge:										

18/03/2025	<b>(Member Secretary)</b> Central Ground Water Authority	<b>(Chairman)</b> Central Ground Water Authority	<b>(Approval Officer)</b> Central Ground Water Authority	18/03/2025	Approved	Approved for issuance of NOC subject to payment of remaining charges of Rs	2417.00	882205.00
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NOC Processing						
Receive Date	From User Name	To User Name	Forwarded User Name	Action Date	Action Internal Status	Action Comment
18/03/2025	<b>(Chairman)</b> Central Ground Water Authority	<b>(Approval Officer)</b> Central Ground Water Authority			In Process	

NOC Disbursement						
Receive Date	From User Name	To User Name	Forwarded User Name	Action Date	Action Internal Status	Action Comment
No Record for this Stage.						

[Go Back](#)



अनुबंध क्रमांक | Contract No: GEMC-511687730123546

अनुबंध तिथि | Generated Date : 04-Mar-2026

बोली/आरए/पीबीपी संख्या | Bid/RA/PBP No.: [GEM/2025/B/6827265](#)

खरीद का माध्यम | Procurement Mode: Bid

संगठन विवरण   Organisation Details	खरीदार विवरण   Buyer Details
प्ररूप   Type : Central PSU मंत्रालय   Ministry : Ministry of Coal विभाग   Department : COAL INDIA LIMITED संगठन का नाम   Organisation Name : WESTERN COALFIELDS LIMITED कार्यालय क्षेत्र   Office Zone: WCL NAGPUR MAHARASHTRA	पद   Designation : Senior Manager संपर्क नंबर   Contact No. : - ईमेल आईडी   Email ID : mrunal.mehta@coalindia.in जीएसटीआईएन   GSTIN : - पता   Address : WCL Hqrs, Coal Estate, Civil Lines, NAGPUR CITY, MAHARASHTRA-440001, India

वित्तीय स्वीकृति विवरण   Financial Approval Detail	भुगतान प्राधिकरण विवरण   Paying Authority Details
आईएफडी सहमति   IFD Concurrence : No प्रशासनिक अनुमोदन का पदनाम   Designation of Administrative Approval: DT(P&P) वित्तीय अनुमोदन का पदनाम   Designation of Financial Approval : GM MM HOD	Role: PAO भुगतान का तरीका   Payment Mode: Offline पद   Designation : Dy Manager Fin ईमेल आईडी   Email ID : mukesh.alluri@coalindia.in जीएसटीआईएन   GSTIN : 27AAACW1578L1ZW पता   Address: WCL Hqrs, Coal Estate, Civil Lines, NAGPUR CITY, MAHARASHTRA-440001, India

विक्रेता विवरण   Seller Details	
जेम विक्रेता आईडी   GeM Seller ID : 6C2A190000887590 कंपनी का नाम   Company Name : VASTHI INSTRUMENTS PRIVATE LIMITED संपर्क नंबर   Contact No. : 07382708685 ईमेल आईडी   Email ID : tenders@vasthi.com पता   Address : PLOT NO 21 22 BLOCK NO 24 PHASE 4, Mr. k. Prakash Babu, AUTO NAGAR, GUNTUR ANDHRA PRADESH, Guntur, Andhra Pradesh-522002, - एमएसएमई पंजीकरण संख्या   MSME Registration number : UDYAM-AP-04-0008142 जीएसटीआईएन   GSTIN: 37AAFCV6048K1ZU (R), (M)	
खरीदार द्वारा मूल्यांकित एमआईआई स्थिति   MII Status as evaluated by buyer : Verified खरीदार द्वारा सत्यापित एमएसएमई स्थिति   MSME Status as verified by buyer : Verified	
एमएसई सामाजिक श्रेणी   MSE Social Category : General एमएसई लिंग श्रेणी   MSE Gender : Male	

\*जिसके नाम के पक्ष में GST/TAX इनवॉइस पेश किया जाएगा | GST / Tax invoice to be raised in the name of - Consignee

वितरण निर्देश | Delivery Instructions : NA

उत्पाद विवरण   Product Details						
#	आइटम विवरण   Item Description	आइटम विवरण   Ordered Quantity	इकाई   Unit	इकाई मूल्य (INR)   Unit Price (INR)	कर विभाजन (INR)   Tax Bifurcation (INR)	मूल्य (INR में सभी शुल्क और कर सहित)   Price (Inclusive of all Duties and Taxes in INR)
1	उत्पाद का नाम   Product Name : Continuous Ambient Air Quality Monitoring Station ब्रांड   Brand : VASTHI ब्रांड प्रकार   Brand Type : NA कैटलॉग की स्थिति   Catalogue Status: NA कैसे बेचा जा रहा है   Selling As : NA श्रेणी का नाम और चतुर्थांश   Category Name & Quadrant : NA (-) मॉडल   Model: V.air.9001,V.air.9002,Mezus 310,V.air.9009,SM200 एचएसएन कोड   HSN Code: 90271000 उद्गम देश   Country Of Origin: India	15	set	5,369,000	NA	80,535,000
कुल ऑर्डर मूल्य   Total Order Value (in INR)						80,535,000

परोक्षिती विवरण   Consignee Detail						
क्र.सं.   S.No	परोक्षिती   Consignee	वस्तु   Item	लॉट नंबर   Lot No.	मात्रा   Quantity	दिनांक के बाद डिलीवरी शुरू करना है   Delivery Start After	वितरण पूरा कब तक करना है   Delivery To Be Completed By

1	पद   Designation :- ईमेल आईडी   Email ID : himanshu.g02@coalindia.in संपर्क   Contact : 8275-968338- जीएसटीआईएन   GSTIN : 27AAACW1578L1ZW पता   Address : Regional Stores, WCL Ballarpur Area PO Sasti Distt Chandrapur (M.S) Pin 442 706, CHANDRAPUR, MAHARASHTRA-442706, India	Continuous Ambient Air Quality Monitoring Station	-	4	04-Mar-2026	07-Oct-2026
2	पद   Designation :- ईमेल आईडी   Email ID : manohar.r1805@coalindia.in संपर्क   Contact : 07175-285086- जीएसटीआईएन   GSTIN : 27AAACW1578L1ZW पता   Address : Regional Stores, WCL New Majri, P.O. Shivaji Nagar Distt Chandrapur, Chandrapur, MAHARASHTRA-442503, India	Continuous Ambient Air Quality Monitoring Station	-	2	04-Mar-2026	07-Oct-2026
3	पद   Designation :- ईमेल आईडी   Email ID : samyak.darunde@coalindia.in संपर्क   Contact :- जीएसटीआईएन   GSTIN :- पता   Address : Regional Stores, WCL P.O. GHUGUS COLLIERY Distt Chandrapur, M.S ; Pin 442 505, CHANDRAPUR, MAHARASHTRA-442505, India	Continuous Ambient Air Quality Monitoring Station	-	1	04-Mar-2026	07-Oct-2026
4	पद   Designation :- ईमेल आईडी   Email ID : swapnil.mdhok@coalindia.in संपर्क   Contact : 90102-08572- जीएसटीआईएन   GSTIN : 27AAACW1578L1ZW पता   Address : Regional Stores, WCL P.O. Umrer Project Dist. Nagpur M.S. Pin 441204, NAGPUR RURAL, MAHARASHTRA-441204, India	Continuous Ambient Air Quality Monitoring Station	-	1	04-Mar-2026	07-Oct-2026
5	पद   Designation :- ईमेल आईडी   Email ID : ss.mangare@coalindia.in संपर्क   Contact : 7172-271036- जीएसटीआईएन   GSTIN : 27AAACW1578L1ZW पता   Address : Regional Stores, WCL, Durgapur Opencast, P.O. DURGAPUR Distt Chandrapur, ( M.S)Pin 442 403, CHANDRAPUR, MAHARASHTRA-442403, India	Continuous Ambient Air Quality Monitoring Station	-	2	04-Mar-2026	07-Oct-2026
6	पद   Designation :- ईमेल आईडी   Email ID : mr.patil3485@coalindia.in संपर्क   Contact : 758-7595303- जीएसटीआईएन   GSTIN : 23AAACW1578L1Z4 पता   Address : Regional Stores, WCL Pench Area P.O CHANDAMETA Distt. Chhindwara, M.P 480447 GSTN: 23AAACW1578L1Z4, CHHINDWARA, MADHYA PRADESH-480447, India	Continuous Ambient Air Quality Monitoring Station	-	1	04-Mar-2026	07-Oct-2026
7	पद   Designation :- ईमेल आईडी   Email ID : alokkumar@westerncoal.gov.in संपर्क   Contact : 0712-2649299- जीएसटीआईएन   GSTIN : 27AAACW1578L1ZW पता   Address : Regional Stores, WCL PO SILEWARA COLLIERY Dist. Nagpur M.S.; Pin 441 109, NAGPUR RURAL, MAHARASHTRA-441109, India	Continuous Ambient Air Quality Monitoring Station	-	4	04-Mar-2026	07-Oct-2026

#### Product Specification for Continuous Ambient Air Quality Monitoring Station

विनिर्देश   Specification	उप-विनिर्देश   Sub-Spec	मूल्य   Value
Custom Specification	Custom Specification	Yes

#### व्यापक रखरखाव के लिए शुल्क | Comprehensive maintenance charges for Continuous Ambient Air Quality Monitoring Station

सेवा वर्ष   Service Year	सीएमसी प्रतिशत   CMC Percentage	कर द्विभाजन   Tax Bifurcation
CMC charges for 1 st year after warranty period in % of cost of equipment	6%	NA
CMC charges for 2 nd year after warranty period in % of cost of equipment	7%	
CMC charges for 3 rd year after warranty period in % of cost of equipment	7%	
CMC charges for 4 th year after warranty period in % of cost of equipment	7%	
CMC charges for 5 th year after warranty period in % of cost of equipment	7%	

#### विक्रेता विशिष्टता दस्तावेज़ | Seller Specification Document:

1. <a href="https://mkp.gem.gov.in/catalog_data/catalog_support_document/74/07/336/CatalogAttrs/SpecificationDocument/2025/11/26/2025_11_26_16_03_54_catalogues_2025-11-26-16-03-56_361d96f4dbbf5c8b563aa10a1beeca51.pdf">SpecificationDocument1</a>	mkp.gem.gov.in/catalog_data/catalog_support_document/74/07/336/CatalogAttrs/SpecificationDocument/2025/11/26/2025_11_26_16_03_54_catalogues_2025-11-26-16-03-56_361d96f4dbbf5c8b563aa10a1beeca51.pdf
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## खरीदार विशिष्टता दस्तावेज़ | Buyer Specification Document:

1. [SpecificationDocument](#)

mkp.gem.gov.in/catalog\_data/catalog\_support\_document/buyer\_documents/16958026/54/78/703/CatalogAttrs/SpecificationDocument/2025/10/27/technical\_specification\_2025-10-27-12-29-12\_4ee05125f4c00c35227c71208e700c60.pdf

## तकनीकी-वाणिज्यिक स्पष्टीकरण | Techno-Commercial Clarification : [Click here to download](#)

### सीएमसी के लिए अतिरिक्त खंड | Additional Clauses for CMC

1.CMC shall include preventive maintenance including calibration as per technical/ service /operational manual of the manufacturer, service charges and spares, after satisfactory completion of Warranty. During the CMC period commencing from date of the successful completion of warranty period, Service personnel shall visit each consignee site as recommended in the manufacturer's technical/ service /operational manual, at least once in six months or as per user requirement. Cost of consumables shall not be included in CMC.Further there will be 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.  
2.CMC charges to be indicated as percentage of cost of equipment quoted for each year after the warranty period.  
3.GST shall be included in the CMC Charges quoted.  
4.Cost of CMC will be added for Ranking/Evaluation purpose with depreciation formula.A 10% discounting rate per year shall be applied on CMC Charges for price evaluation on Net Present Value.

5.The payment of CMC will be made on quarterly basis after satisfactory completion of said period, duly certified by end user.  
6.While creating a bid or RA, buyers shall indicate whether CMC is required against Yes/No" options. If CMC Charges are included, an option for number of years for CMC required after the warranty period shall be available.Under this option up to 15 years can be chosen for CMC charges beyond warranty period.  
7.In case the bid has a provision for CMC, the warranty of the product will also be deemed to have been converted into Comprehensive warranty including preventive maintenance and calibration as per technical/ service /operational manual of the manufacturer, service charges and spares, during the Warranty Period also. Sellers are therefore advised to include the cost of Comprehensive Warranty including spares (excluding consumables) also in product Cost.  
8.The CMC functionality shall be available in bid only and no direct RA shall be applicable.In case of bid to R/A decrement rules shall be applicable on total price inclusive of CMC charges. Bunching of products shall not be available while creating bids with CMC charges.

8.1.Buyer shall indicate number of years of warranty by selecting different options available in the field depending on warranty parameter applicable in category parameters for the equipment. No. of years of warranty indicated here shall supersede the warranty period indicated elsewhere in bid or product specifications. The Seller while participating in Bid/RA will get fields to indicate CMC charges as percentage depending on number of years of CMC selected by Buyer. The following shall be applicable, if 5 year CMC selected:

CMC charges for 1st year after warranty period- Percentage to be indicated- A1  
CMC charges for 2nd year after warranty period- Percentage to be indicated- A2  
CMC charges for 3rd year after warranty period - Percentage to be indicated- A3  
CMC charges for 4th year after warranty period - Percentage to be indicated- A4  
CMC charges for 5th year after warranty period - Percentage to be indicated- A5

Similarly, A6 to A15 are to be indicated for 6th to 15th year of CMC if applicable.

8.2.The calculation of CMC Charges shall take into account the number of years of warranty and duration of CMC as specified while creating bid.

8.3.In the price evaluation, the system shall provide function to calculate the cost of each equipment by formula indicated below including CMC and then show the inter-se-ranking of the bidders. The following are the variables

- (i) Number of years for which CMC required.  
(ii) Number of years of product warranty

The formula for calculating total cost including CMC charges shall be as under:

Total Cost for evaluation=

$C + C * ((A1/100)/(1.10^n) + (A2/100)/(1.10^{n+1}) + (A3/100)/(1.10^{n+2}) + (A4/100)/(1.10^{n+3}) + (A5/100)/(1.10^{n+4}))$  and so on

C - Cost for equipment quoted and n shall be number of years of product warranty specified.

If 2 year warranty specified, n shall be 2 and if 5 year warranty specified, n shall be 5. A1, A2, A3, A4 & A5 shall depend on how many years CMC selected. For 3 year CMC, only A1, A2 and A3 factors are to be taken into account and A4 and A5 will not be applicable.

8.4.CMC charges offered for each subsequent year should be same or higher than preceding year.

8.5.The CMC charges shall be offered within range of 3 to up to 50% of cost of equipment as defined by buyer.

9.Since CMC charges are to be paid only later for each year during CMC period, applicable performance guarantee amount after placement of contract shall be based on the cost of equipment excluding the cost of CMC Charges.

10.Performance bank guarantee applicable for CMC is to be submitted at start of the CMC and shall be applicable between 2.5% to 10% as specified in bid on total CMC Charges.The PBG submitted after award of contract shall be released only after new PBG for the CMC period is submitted and accepted by buyer/consignee after due verification.Bank guarantee for CMC is to remain valid till completion of CMC period plus one year. The bank guarantee for CMC shall be submitted to buyer directly. In case, seller fails to submit the PBG or does not provide services for the CMC contract after expiry of warranty period then PBG of equipment shall be forfeited.

11.In case of splitting of order quantity, equipment cost and CMC charges offered by L1 bidder shall be matched by higher quoting eligible bidders on one-to-one basis.The equipment cost and CMC charges (year to year) shall be matched individually.

12.The CMC Contract shall be an offline contract to be handled by buyer.The payment of CMC will be made on quarterly basis after satisfactory completion of said period, duly certified by end user and scope of CMC will be as per para 1 above.

### ईपीबीजी विवरण | ePBG Detail

सलाहकार बैंक | Advisory Bank :

ICICI

ईपीबीजी प्रतिशत (%) | ePBG Percentage(%):

5.00

बोली लगाने वाले को बोली के नियमों और शर्तों के अनुसार लागू ईपीबीजी प्रस्तुत करना होगा | The bidder shall furnish ePBG as applicable as per bid's terms and conditions

### नियम और शर्तें | Terms and Conditions

#### 1. General Terms and Conditions-

1.1 This contract is governed by the [General Terms and Conditions](#), conditions stipulated to this Product/Service as provided in the Marketplace.

1.2 This Contract between the Seller and the Buyer, is for the supply of the Goods and/ or Services, detailed in the schedule above, in accordance with the General Terms and

Conditions (GTC) unless otherwise superseded by Goods / Services specific Special Terms and Conditions (STC) and/ or BID/Reverse Auction Additional Terms and Conditions (ATC), as applicable

1.3 All GeM Sellers / Service Providers are mandated to ensure compliance with all the applicable laws / acts / rules including but not limited to all Labour Laws such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972 etc. Any non-compliance will be treated as breach of contract and Buyer may take suitable actions as per GeM Contract.

## 2. Buyer Added Bid Specific Terms and Conditions-

### 2.1 Generic

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity up to 25% of the contracted quantity during the currency of the contract at the contracted rates. The delivery period of quantity shall commence from the last date of original delivery order and in cases where option clause is exercised during the extended delivery period the additional time shall commence from the last date of extended delivery period. The additional delivery time shall be  $(\text{Increased quantity} \div \text{Original quantity}) \times \text{Original delivery period (in days)}$ , subject to minimum of 30 days. If the original delivery period is less than 30 days, the additional time equals the original delivery period. The Purchaser may extend this calculated delivery duration up to the original delivery period while exercising the option clause. Bidders must comply with these terms.

### 2.2 Scope of Supply:

Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)

### 2.3 Purchase Preference (Centre):

Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for percentage of 25% of total value.

### 2.4 Generic

Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.

### 2.5 Generic

Buyer Organization specific Integrity Pact shall have to be complied by all bidders. Bidders shall have to upload scanned copy of signed integrity pact as per Buyer organizations policy along with bid. [Click here to view the file.](#)

### 2.6 Generic

Supplier shall ensure that the Invoice is raised in the name of Consignee with GSTIN of Consignee only.

### 2.7 Certificates:

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

### 2.8 Forms of EMD and PBG:

Bidders can also submit the EMD with Payment online through RTGS / internet banking in Beneficiary name

### WESTERN COALFIELDS LIMITED

Account No.

10205966091

IFSC Code

SBIN0009060

Bank Name

STATE BANK OF INDIA

Branch address

COAL ESTATE BRANCH CIVIL LINES, NAGPUR 440001

Bidder to indicate bid number and name of bidding entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer along with bid.

### 2.9 Buyer Added Bid Specific ATC:

Buyer uploaded ATC document [Click here to view the file.](#)

### 2.10 Buyer Added Bid Specific ATC:

Buyer Added text based ATC clauses

The values/ parameters and conditions mentioned/ uploaded in the buyer specification document and buyer added ATC shall prevail and be applicable, No deviation from the same shall be acceptable.

Note: Sellers are required to raise invoices online as per the contract terms on GeM portal. Timely invoice submission is mandatory for compliances, smooth payment processing, and will also contribute to improving their ratings.

नोट: यह सिस्टम जनरेटेड फाइल है। कोई हस्ताक्षर की आवश्यकता नहीं है। इस दस्तावेज़ का प्रिंट आउट भुगतान/लेनदेन उद्देश्य के लिए मान्य नहीं है।

Note: This is system generated file. No signature is required. Print out of this document is not valid for payment/ transaction purpose.



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**ENVIRONMENTAL MONITORING REPORT**

**MAKARDHOKRA-I OC**

UMRER AREA

**WESTERN COALFIELDS LTD.**

JOB NO. 4094423068




APRIL 2025

**Environment Laboratory**

**CMPDI**

REGIONAL INSTITUTE-IV, KASTURBA NAGAR,  
JARIPATKA, NAGPUR, PIN – 440 014

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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TEST REPORT NO.	RIN/TR/APRIL-25/34	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
02-04-2025	03-04-2025	325	211	56	24	17	Cloudy sky / Calm
18-04-2025	19-04-2025	305	205	50	18	14	Cloudy sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	2	6	10	
02-04-2025	03-04-2025	88	29	7	BDL	Clear sky/Calm
03-04-2025	04-04-2025	86	25	6	BDL	Clear sky/Calm
08-04-2025	09-04-2025	90	31	10	BDL	Clear sky/Calm
09-04-2025	10-04-2025	89	28	8	BDL	Clear sky/Calm
16-04-2025	17-04-2025	92	32	11	BDL	Clear sky/Light breeze
17-04-2025	18-04-2025	91	30	9	BDL	Clear sky/Light breeze
23-04-2025	24-04-2025	94	33	12	10	Clear sky/Light breeze
24-04-2025	25-04-2025	90	29	9	BDL	Clear sky/Light breeze
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	2	6	10	
02-04-2025	03-04-2025	85	25	6	BDL	Clear sky/Calm
03-04-2025	04-04-2025	87	27	7	BDL	Clear sky/Calm
08-04-2025	09-04-2025	90	32	9	BDL	Clear sky/Calm
09-04-2025	10-04-2025	88	28	8	BDL	Clear sky/Calm
16-04-2025	17-04-2025	91	33	11	BDL	Clear sky/Light breeze
17-04-2025	18-04-2025	92	30	10	BDL	Clear sky/Light breeze
23-04-2025	24-04-2025	89	27	9	BDL	Clear sky/Light breeze
24-04-2025	25-04-2025	93	33	12	10	Clear sky/Light breeze
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	2	6	10	
02-04-2025	03-04-2025	87	26	8	BDL	Clear sky/Calm
03-04-2025	04-04-2025	89	28	10	BDL	Clear sky/Calm
08-04-2025	09-04-2025	91	32	11	BDL	Clear sky/Calm
09-04-2025	10-04-2025	93	34	13	10	Clear sky/Calm
16-04-2025	17-04-2025	90	28	8	BDL	Clear sky/Light breeze
17-04-2025	18-04-2025	88	29	9	BDL	Clear sky/Light breeze
23-04-2025	24-04-2025	91	30	12	BDL	Clear sky/Light breeze
24-04-2025	25-04-2025	92	31	10	BDL	Clear sky/Light breeze
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	2	6	10	
02-04-2025	03-04-2025	89	30	7	BDL	Clear sky/Calm
03-04-2025	04-04-2025	91	32	9	BDL	Clear sky/Calm
08-04-2025	09-04-2025	87	28	6	BDL	Clear sky/Calm
09-04-2025	10-04-2025	92	29	10	BDL	Clear sky/Calm
16-04-2025	17-04-2025	88	30	9	BDL	Clear sky/Light breeze
17-04-2025	18-04-2025	90	31	10	BDL	Clear sky/Light breeze
23-04-2025	24-04-2025	92	33	11	BDL	Clear sky/Light breeze
24-04-2025	25-04-2025	94	35	13	11	Clear sky/Light breeze
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>		SO <sub>2</sub>
		5	5	2	6	10	
03-04-2025	04-04-2025	318	200	55	19	14	Cloudy sky / Calm
19-04-2025	20-04-2025	299	185	48	15	11	Cloudy sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

*J. Singh*  
Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11, TSS: IS 3025-Part 17, COD: APHA (24th Edition) 5220 C ,O &G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-04-25 TO 15-05-25

MINE WATER DISCHARGE: UM10W1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03-04-2025	7.79	32	44	BDL
19-04-2025	7.81	25	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: UM10W2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03-04-2025	7.5	16	24	BDL
19-04-2025	7.57	18	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*J. Shing*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

PIT OFFICE: UM10N1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
			20
APRIL'25	09-04-2025	65.7	61.8
APRIL'25	24-04-2025	64.4	63.0
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SIRPUR VILLAGE: UM10N2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
			20
APRIL'25	09-04-2025	47.9	42.6
APRIL'25	24-04-2025	48.4	41.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

HEOTI VILLAGE: UM10N3			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
			20
APRIL'25	09-04-2025	48.1	43.2
APRIL'25	24-04-2025	47.6	43.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

  
Yogesh Pidurkar  
Reviewed by

  
Amol Kamble  
Authorised by

1. This report cannot be reproduced in part or full without written of the management.
2. Laboratory activities are performed at the Laboratory permanent facility that is ground floo Environment Lab, CMPDI RI-IV, Nagpur.
3. This report refers to the values related to the items tested.

\*\*\*\*\* End of report \*\*\*\*\*



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## ENVIRONMENTAL MONITORING REPORT

### MAKARDHOKRA-I OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068




MAY 2025

Environment Laboratory

**CMPDI**

REGIONAL INSTITUTE-IV, KASTURBA NAGAR,  
JARIPATKA, NAGPUR, PIN – 440 014

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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TEST REPORT NO.	RIN/TR/MAY-25/34	DATE OF ISSUE	25.06.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-05-25 TO 15-06-25

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02.05.2025	03.05.2025	289	178	51	18	15	Cloudy sky / Calm
24.05.2025	25.05.2025	275	163	48	16	13	Cloudy sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
02.05.2025	03.05.2025	76	25	6	BDL	Rainy sky/Light breeze	
03.05.2025	04.05.2025	80	29	8	BDL	Clear sky/Light breeze	
08.05.2025	09.05.2025	83	30	9	BDL	Clear sky/Light breeze	
09.05.2025	10.05.2025	85	33	11	10	Clear sky/Light breeze	
14.05.2025	15.05.2025	81	31	9	BDL	Clear sky/Light breeze	
15.05.2025	16.05.2025	86	34	8	BDL	Clear sky/Light breeze	
20.05.2025	21.05.2025	78	28	7	BDL	Partially clody / Light breeze	
21.05.2025	22.05.2025	79	29	8	BDL	Rainy, Partially clody / Light breeze	
26.05.2025	27.05.2025	84	32	9	BDL	Rainy, Partially clody / Light breeze	
27.05.2025	28.05.2025	77	26	7	BDL	Partially clody / Light breeze	
NAAQS, 2009		100	60	80	80		

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
02.05.2025	03.05.2025	81	30	8	BDL	Rainy sky/Light breeze	
03.05.2025	04.05.2025	88	34	12	11	Clear sky/Light breeze	
08.05.2025	09.05.2025	85	32	11	10	Clear sky/Light breeze	
09.05.2025	10.05.2025	87	33	10	BDL	Clear sky/Light breeze	
14.05.2025	15.05.2025	90	35	12	10	Clear sky/Light breeze	
15.05.2025	16.05.2025	89	29	9	BDL	Clear sky/Light breeze	
20.05.2025	21.05.2025	79	28	8	BDL	Partially clody / Light breeze	
21.05.2025	22.05.2025	77	27	7	BDL	Rainy, Partially clody / Light breeze	
26.05.2025	27.05.2025	88	29	9	BDL	Rainy, Partially clody / Light breeze	
27.05.2025	28.05.2025	86	30	10	BDL	Partially clody / Light breeze	
NAAQS, 2009		100	60	80	80		

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02.05.2025	03.05.2025	77	28	7	BDL	Rainy sky/light breeze
03.05.2025	04.05.2025	83	27	9	BDL	Clear sky/light breeze
08.05.2025	09.05.2025	85	30	10	BDL	Clear sky/light breeze
09.05.2025	10.05.2025	90	35	11	10	Clear sky/light breeze
14.05.2025	15.05.2025	88	27	7	BDL	Clear sky/light breeze
15.05.2025	16.05.2025	91	31	9	BDL	Clear sky/light breeze
20.05.2025	21.05.2025	78	27	6	BDL	Partially clody / Light breeze
21.05.2025	22.05.2025	83	29	8	BDL	Rainy, Partially clody / Light breeze
26.05.2025	27.05.2025	82	31	9	BDL	Rainy, Partially clody / Light breeze
27.05.2025	28.05.2025	89	32	10	BDL	Partially clody / Light breeze
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02.05.2025	03.05.2025	75	27	7	BDL	Rainy sky/light breeze
03.05.2025	04.05.2025	80	29	9	BDL	Clear sky/light breeze
08.05.2025	09.05.2025	88	34	11	10	Clear sky/light breeze
09.05.2025	10.05.2025	84	32	10	BDL	Clear sky/light breeze
14.05.2025	15.05.2025	81	30	9	BDL	Clear sky/light breeze
15.05.2025	16.05.2025	86	29	9	BDL	Clear sky/light breeze
20.05.2025	21.05.2025	76	27	7	BDL	Partially clody / Light breeze
21.05.2025	22.05.2025	74	24	6	BDL	Rainy, Partially clody / Light breeze
26.05.2025	27.05.2025	78	26	7	BDL	Rainy, Partially clody / Light breeze
27.05.2025	28.05.2025	75	25	6	BDL	Partially clody / Light breeze
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>		SO <sub>2</sub>
03.05.2025	04.05.2025	301	189	53	17	14	Cloudy sky / Calm
25.05.2025	26.05.2025	280	170	46	14	12	Cloudy sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

*J. Singh*  
Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-05-25 TO 15-06-25


MINE WATER DISCHARGE: UM1OW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03.05.2025	7.86	29	40	BDL
26.05.2025	7.41	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: UM1OW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03.05.2025	8.13	17	28	BDL
26.05.2025	7.92	22	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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**NOISE LEVEL MONITORING DATA**


SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

PIT OFFICE: UM10N1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAY'25	14.05.2025	66.3	61.2
MAY'25	27.05.2025	65.6	61.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SIRPUR VILLAGE: UM10N2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAY'25	14.05.2025	49.5	42.6
MAY'25	27.05.2025	48.5	41.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

HEOTI VILLAGE: UM10N3			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAY'25	14.05.2025	48.9	42.9
MAY'25	27.05.2025	47.7	40.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

  
Yogesh Pidurkar  
Reviewed by

  
Amol Kamble  
Authorised by

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2. Laboratory activities are performed at the Laboratory permanent facility that is ground floor Environment Lab, CMPDI RI-IV, Nagpur.
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## ENVIRONMENTAL MONITORING REPORT

### MAKARDHOKRA-I OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JUNE 2025

Environment Laboratory

**CMPDI**

REGIONAL INSTITUTE-IV, KASTURBA NAGAR,  
JARIPATKA, NAGPUR, PIN – 440 014

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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TEST REPORT NO.	RIN/TR/JUNE-25/34	DATE OF ISSUE	7/25/2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO <sub>2</sub> : IS 5182 (Part-06), SO <sub>2</sub> :IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : L SOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-06-25 TO 15-07-25

PIT OFFICE UM10A1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>		SO <sub>2</sub>
		5	5	2	6	10	
6/2/2025	6/3/2025	265	162	44	16	13	Cloudy sky / Calm
6/24/2025	6/25/2025	258	154	50	14	11	Cloudy sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

KALMANA VILLAGE UM10A2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	2	6	10	
6/2/2025	6/3/2025	78	27	8	BDL	Rainy, Partially cloudy/ Light breeze
6/3/2025	6/4/2025	81	30	10	BDL	Partially cloudy/Light breeze
6/9/2025	6/10/2025	79	29	7	BDL	Partially cloudy/Light breeze
6/10/2025	6/11/2025	82	31	10	BDL	Partially cloudy/Light breeze
6/16/2025	6/17/2025	77	25	8	BDL	Rainy, Partially cloudy/ Light breeze
6/17/2025	6/18/2025	76	27	6	BDL	Rainy, Partially cloudy/ Light breeze
6/23/2025	6/24/2025	82	32	9	BDL	Rain cloudy/Light breeze
6/24/2025	6/25/2025	75	26	7	BDL	Rain cloudy/Light breeze
NAAQS, 2009		100	60	80	80	

SIRPUR VILLAGE UM10A3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	2	6	10	
6/2/2025	6/3/2025	83	33	12	BDL	Rainy, Partially cloudy/ Light breeze
6/3/2025	6/4/2025	80	30	10	BDL	Partially cloudy/Light breeze
6/9/2025	6/10/2025	84	34	13	11	Partially cloudy/Light breeze
6/10/2025	6/11/2025	77	26	8	BDL	Partially cloudy/Light breeze
6/16/2025	6/17/2025	79	27	9	BDL	Rainy, Partially cloudy/ Light breeze
6/17/2025	6/18/2025	81	32	9	BDL	Rainy, Partially cloudy/ Light breeze
6/23/2025	6/24/2025	82	30	11	10	Rain cloudy/Light breeze
6/24/2025	6/25/2025	76	25	6	BDL	Rain cloudy/Light breeze
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
6/2/2025	6/3/2025	85	34	12	11	Rainy ,Partially cloudy/ Light breeze
6/3/2025	6/4/2025	80	32	9	BDL	Partially cloudy/Light breeze
6/9/2025	6/10/2025	78	28	8	BDL	Partially cloudy/Light breeze
6/10/2025	6/11/2025	79	30	7	BDL	Partially cloudy/Light breeze
6/16/2025	6/17/2025	83	32	8	BDL	Rainy ,Partially cloudy/ Light breeze
6/17/2025	6/18/2025	85	35	10	BDL	Rainy ,Partially cloudy/ Light breeze
6/23/2025	6/24/2025	81	31	11	10	Rain cloudy/Light breeze
6/24/2025	6/25/2025	77	28	7	BDL	Rain cloudy/Light breeze
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
6/2/2025	6/3/2025	74	29	8	BDL	Rainy ,Partially cloudy/ Light breeze
6/3/2025	6/4/2025	76	28	9	BDL	Partially cloudy/Light breeze
6/9/2025	6/10/2025	79	31	10	BDL	Partially cloudy/Light breeze
6/10/2025	6/11/2025	81	33	12	10	Partially cloudy/Light breeze
6/16/2025	6/17/2025	83	35	14	12	Rainy ,Partially cloudy/ Light breeze
6/17/2025	6/18/2025	86	37	9	BDL	Rainy ,Partially cloudy/ Light breeze
6/23/2025	6/24/2025	77	26	8	BDL	Rain cloudy/Light breeze
6/24/2025	6/25/2025	75	27	7	BDL	Rain cloudy/Light breeze
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>		SO <sub>2</sub>
6/3/2025	6/4/2025	271	169	56	15	13	Cloudy sky / Calm
6/25/2025	6/26/2025	288	175	58	16	14	Cloudy sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

*J. Singh*  
Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-06-25 TO 15-07-25

MINE WATER DISCHARGE: UM1OW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
6/3/2025	7.88	32	44	BDL
6/26/2025	7.68	30	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: UM1OW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
6/3/2025	7.8	24	32	BDL
6/26/2025	7.51	27	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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**NOISE LEVEL MONITORING DATA**

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

PIT OFFICE: UM10N1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUNE'25	6/13/2025	65.2	60.4
JUNE'25	6/27/2025	64.9	60.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SIRPUR VILLAGE: UM10N2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUNE'25	6/13/2025	47.3	41.7
JUNE'25	6/27/2025	49.0	42.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

HEOTI VILLAGE: UM10N3			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUNE'25	6/13/2025	49.6	42.2
JUNE'25	6/27/2025	49.1	41.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

  
Yogesh Pidurkar  
Reviewed by

  
Amol Kamble  
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## ENVIRONMENTAL MONITORING REPORT

# MAKARDHOKRA-I OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JULY 2025

Environment Laboratory

**CMPDI**

REGIONAL INSTITUTE-IV, KASTURBA NAGAR,  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7182
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TEST REPORT NO.	RIN/TR/JULY-25/34	DATE OF ISSUE	25-08-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-07-25 TO 15-08-25

PIT OFFICE UM10A1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
05-07-2025	06-07-2025	283	171	52	18	14	Clear sky / Light breeze
20-07-2025	21-07-2025	277	164	48	15	12	Cloudy sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

KALMANA VILLAGE UM10A2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
		5	2	6	10		
01-07-2025	02-07-2025	80	31	10	BDL		Rainy sky / Light breeze
02-07-2025	03-07-2025	77	25	7	BDL		Rainy sky / Light breeze
07-07-2025	08-07-2025	83	33	11	BDL		Rainy sky, over cast / Light breeze
08-07-2025	09-07-2025	85	35	12	BDL		Rainy sky, over cast / Light breeze
13-07-2025	14-07-2025	78	28	7	BDL		Cloudy sky / Light breeze
14-07-2025	15-07-2025	75	26	6	BDL		Partially cloudy sky / Light breeze
20-07-2025	21-07-2025	81	30	9	BDL		Partially cloudy sky / Light breeze
21-07-2025	22-07-2025	79	28	8	BDL		Rain, partially cloudy/ Light breeze
26-07-2025	27-07-2025	84	35	12	10		Rain, partially cloudy/ Light breeze
27-07-2025	28-07-2025	86	36	13	11		Rainy sky, over cast / Light breeze
NAAQS, 2009		100	60	80	80		

SIRPUR VILLAGE UM10A3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
		5	2	6	10		
01-07-2025	02-07-2025	75	26	6	BDL		Rainy sky / Light breeze
02-07-2025	03-07-2025	80	29	9	BDL		Rainy sky / Light breeze
07-07-2025	08-07-2025	76	27	7	BDL		Rainy sky, over cast / Light breeze
08-07-2025	09-07-2025	82	31	10	BDL		Rainy sky, over cast / Light breeze
13-07-2025	14-07-2025	85	32	11	BDL		Cloudy sky / Light breeze
14-07-2025	15-07-2025	72	24	6	BDL		Partially cloudy sky / Light breeze
20-07-2025	21-07-2025	83	30	7	BDL		Partially cloudy sky / Light breeze
21-07-2025	22-07-2025	77	28	8	BDL		Rain, partially cloudy/ Light breeze
26-07-2025	27-07-2025	79	29	9	BDL		Rain, partially cloudy/ Light breeze
27-07-2025	28-07-2025	84	34	12	10		Rainy sky, over cast / Light breeze
NAAQS, 2009		100	60	80	80		

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
01-07-2025	02-07-2025	74	25	7	BDL	Rainy sky / Light breeze
02-07-2025	03-07-2025	78	29	8	BDL	Rainy sky / Light breeze
07-07-2025	08-07-2025	80	28	9	BDL	Rainy sky, over cast / Light breeze
08-07-2025	09-07-2025	82	33	10	BDL	Rainy sky, over cast / Light breeze
13-07-2025	14-07-2025	77	29	7	BDL	Cloudy sky / Light breeze
14-07-2025	15-07-2025	79	30	8	BDL	Partially cloudy sky / Light breeze
20-07-2025	21-07-2025	81	31	11	BDL	Partially cloudy sky / Light breeze
21-07-2025	22-07-2025	84	36	13	11	Rain, partially cloudy/ Light breeze
26-07-2025	27-07-2025	78	28	8	BDL	Rain, partially cloudy/ Light breeze
27-07-2025	28-07-2025	83	32	10	BDL	Rainy sky, over cast / Light breeze
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
01-07-2025	02-07-2025	81	32	10	BDL	Rainy sky / Light breeze
02-07-2025	03-07-2025	79	27	6	BDL	Rainy sky / Light breeze
07-07-2025	08-07-2025	82	30	9	BDL	Rainy sky, over cast / Light breeze
08-07-2025	09-07-2025	78	29	8	BDL	Rainy sky, over cast / Light breeze
13-07-2025	14-07-2025	83	31	9	BDL	Cloudy sky / Light breeze
14-07-2025	15-07-2025	85	34	11	BDL	Partially cloudy sky / Light breeze
20-07-2025	21-07-2025	77	29	8	12	Partially cloudy sky / Light breeze
21-07-2025	22-07-2025	76	25	7	BDL	Rain, partially cloudy/ Light breeze
26-07-2025	27-07-2025	84	32	9	BDL	Rain, partially cloudy/ Light breeze
27-07-2025	28-07-2025	75	26	6	BDL	Rainy sky, over cast / Light breeze
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06-07-2025	07-07-2025	292	181	57	17	15	Rain sky / Light breeze
20-07-2025	21-07-2025	269	165	46	15	13	Cloudy sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

*J. Singh*  
Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)
SAMPLING METHOD	LSOP : PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-07-25 TO 15-08-25


MINE WATER DISCHARGE: UM10W1				
DATE OF SAMPLE	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION	2	10	4	2
08-07-2025	7.59	28	40	BDL
20-07-2025	7.69	25	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt.	5.5 - 9.0	100	250	10

ETP: UM10W2				
DATE OF SAMPLE	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION	2	10	4	2
08-07-2025	7.19	16	24	BDL
20-07-2025	7.98	20	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt.	5.5 - 9.0	100	250	10

*J. Shetye*

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**NOISE LEVEL MONITORING DATA**


SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 4

PIT OFFICE: UM10N1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		20	20
JULY'25	10-07-2025	66.3	61.1
JULY'25	22-07-2025	65.0	59.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SIRPUR VILLAGE: UM10N2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		20	20
JULY'25	10-07-2025	48.5	41.1
JULY'25	22-07-2025	49.0	41.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

HEOTI VILLAGE: UM10N3			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		20	20
JULY'25	10-07-2025	49.9	43.3
JULY'25	22-07-2025	49.4	42.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

  
Yogesh Pidurkar  
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## ENVIRONMENTAL MONITORING REPORT

### MAKARDHOKRA-I OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



AUGUST 2025




Environment Laboratory

**CMPDI**

REGIONAL INSTITUTE-IV, KASTURBA NAGAR,  
JARIPATKA, NAGPUR, PIN – 440 014

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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TEST REPORT NO.	RIN/TR/AUG-25/34	DATE OF ISSUE	25-09-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSP0 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-25 TO 15-09-25

PIT OFFICE   UM10A1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>		SO <sub>2</sub>
FROM	TO	5	5	2	6	10	
07-08-2025	08-08-2025	266	153	47	14	12	Cloudy sky / Calm
17-08-2025	18-08-2025	275	168	51	16	13	Clear sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

KALMANA VILLAGE   UM10A2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	2	6	10	
03-08-2025	04-08-2025	78	28	8	BDL	partially cloudy/ Light breeze
04-08-2025	05-08-2025	81	31	11	BDL	Rainy sky, over cast / Light breeze
10-08-2025	11-08-2025	76	26	7	BDL	partially cloudy/ Light breeze
11-08-2025	12-08-2025	84	32	11	BDL	partially cloudy/ Light breeze
19-08-2025	20-08-2025	79	29	9	BDL	Rainy, Cloud sky / Light breeze
20-08-2025	21-08-2025	85	34	12	10	Rainy sky, over cast / Light breeze
25-08-2025	26-08-2025	83	31	10	BDL	Rain, partially cloudy/ Light breeze
26-08-2025	27-08-2025	80	29	9	BDL	Rainy sky, Cloudy / Light breeze
NAAQS, 2009		100	60	80	80	

SIRPUR VILLAGE   UM10A3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	2	6	10	
03-08-2025	04-08-2025	80	30	9	BDL	partially cloudy/ Light breeze
04-08-2025	05-08-2025	83	32	10	BDL	Rainy sky, over cast / Light breeze
10-08-2025	11-08-2025	85	35	12	10	partially cloudy/ Light breeze
11-08-2025	12-08-2025	79	28	9	BDL	partially cloudy/ Light breeze
19-08-2025	20-08-2025	76	27	6	BDL	Rainy, Cloud sky / Light breeze
20-08-2025	21-08-2025	82	32	9	BDL	Rainy sky, over cast / Light breeze
25-08-2025	26-08-2025	84	33	10	BDL	Rain, partially cloudy/ Light breeze
26-08-2025	27-08-2025	78	29	9	BDL	Rainy sky, Cloudy / Light breeze
NAAQS, 2009		100	60	80	80	

KHURSAPUR VILLAGE							UM10A4
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
		5	2	6	10		
03-08-2025	04-08-2025	83	33	11	BDL	partially cloudy/ Light breeze	
04-08-2025	05-08-2025	85	36	12	10	Rainy sky, over cast / Light breeze	
10-08-2025	11-08-2025	77	27	6	BDL	partially cloudy/ Light breeze	
11-08-2025	12-08-2025	76	26	7	BDL	partially cloudy/ Light breeze	
19-08-2025	20-08-2025	80	29	9	BDL	Rainy, Cloud sky / Light breeze	
20-08-2025	21-08-2025	83	34	10	BDL	Rainy sky, over cast / Light breeze	
25-08-2025	26-08-2025	86	36	12	10	Rain, partially cloudy/ Light breeze	
26-08-2025	27-08-2025	79	30	9	BDL	Rainy sky, Cloudy / Light breeze	
NAAQS, 2009		100	60	80	80		

HEOTI VILLAGE							UM10A5
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
		5	2	6	10		
03-08-2025	04-08-2025	77	26	7	BDL	partially cloudy/ Light breeze	
04-08-2025	05-08-2025	80	32	9	BDL	Rainy sky, over cast / Light breeze	
10-08-2025	11-08-2025	83	34	11	BDL	partially cloudy/ Light breeze	
11-08-2025	12-08-2025	79	28	7	BDL	partially cloudy/ Light breeze	
19-08-2025	20-08-2025	85	35	12	10	Rainy, Cloud sky / Light breeze	
20-08-2025	21-08-2025	81	30	9	BDL	Rainy sky, over cast / Light breeze	
25-08-2025	26-08-2025	82	33	11	BDL	Rain, partially cloudy/ Light breeze	
26-08-2025	27-08-2025	86	35	12	10	Rainy sky, Cloudy / Light breeze	
NAAQS, 2009		100	60	80	80		

SUBSTATION							UM10A6
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>		SO <sub>2</sub>
		5	5	2	6		10
07-08-2025	08-08-2025	277	172	48	16	14	Cloudy sky / Calm
23-08-2025	24-08-2025	283	180	53	18	15	Clear sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

*J. Singh*  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-08-25 TO 15-09-25


MINE WATER DISCHARGE: UM1OW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07-08-2025	7.06	29	40	BDL
24-08-2025	8.27	33	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: UM1OW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07-08-2025	7.2	17	28	BDL
24-08-2025	7.9	25	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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**NOISE LEVEL MONITORING DATA**

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

PIT OFFICE: UM1ON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'25	13-08-2025	65.6	60.5
AUG'25	26-08-2025	65.0	59.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SIRPUR VILLAGE: UM1ON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'25	13-08-2025	47.5	40.3
AUG'25	26-08-2025	49.0	41.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

HEOTI VILLAGE: UM1ON3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'25	13-08-2025	50.4	43.8
AUG'25	26-08-2025	49.4	42.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

  
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**ENVIRONMENTAL MONITORING REPORT**

**MAKARDHOKRA-I OC**

UMRER AREA

**WESTERN COALFIELDS LTD.**

JOB NO. 4094423068



OCTOBER 2025

**Environment Laboratory**

**CMPDI**

REGIONAL INSTITUTE-IV, KASTURBA NAGAR,  
JARIPATKA, NAGPUR, PIN - 440 014

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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TEST REPORT NO.	RIN/TR/OCT-25/34	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
03.10.2025	04.10.2025	288	177	51	17	14	Cloudy sky / Light breeze
18.10.2025	19.10.2025	293	185	45	19	15	Clear sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
03.10.2025	04.10.2025	68	25	6	BDL	partially cloudy/ Light breeze	
04.10.2025	05.10.2025	70	27	7	BDL	partially cloudy/ Light breeze	
09.10.2025	10.10.2025	78	29	8	BDL	Clear/ Calm	
10.10.2025	11.10.2025	82	30	9	BDL	Clear/ Calm	
17.10.2025	18.10.2025	84	32	11	BDL	Clear/ Calm	
18.10.2025	19.10.2025	86	34	12	10	Clear/ Calm	
24.10.2025	25.10.2025	83	30	10	BDL	Clear/ Calm	
25.10.2025	26.10.2025	80	29	9	BDL	Rain, cloudy/ Breeze	
NAAQS, 2009		100	60	80	80		

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
03.10.2025	04.10.2025	72	27	7	BDL	partially cloudy/ Light breeze	
04.10.2025	05.10.2025	75	29	8	BDL	partially cloudy/ Light breeze	
09.10.2025	10.10.2025	80	31	10	BDL	Clear/ Calm	
10.10.2025	11.10.2025	83	32	12	BDL	Clear/ Calm	
17.10.2025	18.10.2025	84	35	13	11	Clear/ Calm	
18.10.2025	19.10.2025	79	28	8	BDL	Clear/ Calm	
24.10.2025	25.10.2025	76	27	7	BDL	Clear/ Calm	
25.10.2025	26.10.2025	81	30	9	BDL	Rain, cloudy/ Breeze	
NAAQS, 2009		100	60	80	80		

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
03.10.2025	04.10.2025	68	23	7	BDL	partially cloudy/ Light breeze
04.10.2025	05.10.2025	70	25	8	BDL	partially cloudy/ Light breeze
09.10.2025	10.10.2025	73	28	9	BDL	Clear/ Calm
10.10.2025	11.10.2025	67	22	6	BDL	Clear/ Calm
17.10.2025	18.10.2025	72	27	7	BDL	Clear/ Calm
18.10.2025	19.10.2025	80	28	9	BDL	Clear/ Calm
24.10.2025	25.10.2025	82	30	10	BDL	Clear/ Calm
25.10.2025	26.10.2025	85	33	12	BDL	Rain, cloudy/ Breeze
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
03.10.2025	04.10.2025	77	27	8	BDL	partially cloudy/ Light breeze
04.10.2025	05.10.2025	79	30	10	BDL	partially cloudy/ Light breeze
09.10.2025	10.10.2025	80	33	7	BDL	Clear/ Calm
10.10.2025	11.10.2025	66	25	9	BDL	Clear/ Calm
17.10.2025	18.10.2025	68	26	10	BDL	Clear/ Calm
18.10.2025	19.10.2025	70	28	6	BDL	Clear/ Calm
24.10.2025	25.10.2025	75	30	9	BDL	Clear/ Calm
25.10.2025	26.10.2025	81	33	11	BDL	Rain, cloudy/ Breeze
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
05.10.2025	06.10.2025	316	189	53	18	15	Cloudy sky / Light breeze
24.10.2025	25.10.2025	190	172	48	16	13	Clear sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

*J. Jay*  
Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C, O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-25 TO 15-11-25

MINE WATER DISCHARGE: UM1OW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03.10.2025	7.82	32	40	BDL
24.10.2025	7.71	27	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: UM1OW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03.10.2025	7.22	17	28	BDL
24.10.2025	7.31	15	20	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

PIT OFFICE: UM10N1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11.10.2025	62.9	56.7
OCT'25	27.10.2025	64.1	57.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SIRPUR VILLAGE: UM10N2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11.10.2025	48.0	40.7
OCT'25	27.10.2025	49.5	42.0
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

HEOTI VILLAGE: UM10N3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11.10.2025	52.2	43.0
OCT'25	27.10.2025	50.7	41.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

  
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  3. This report refers to the values related to the items tested.
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## ENVIRONMENTAL MONITORING REPORT

### MAKARDHOKRA-I OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



NOVEMBER 2025

Environment Laboratory

**CMPDI**

REGIONAL INSTITUTE-IV, KASTURBA NAGAR,  
JARIPATKA, NAGPUR, PIN – 440 014

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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TEST REPORT NO.	RIN/TR/NOV-25/34	DATE OF ISSUE	24-12-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-25 TO 15-12-25

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08-11-2025	09-11-2025	301	188	49	22	16	Clear/ Calm
21-11-2025	22-11-2025	315	196	53	28	18	Clear/ Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04-11-2025	05-11-2025	72	27	7	BDL	Clear/ Calm
05-11-2025	06-11-2025	82	33	9	BDL	Clear/ Calm
10-11-2025	11-11-2025	84	35	10	BDL	Clear/ Calm
11-11-2025	12-11-2025	79	28	8	BDL	Clear/ Calm
20-11-2025	21-11-2025	69	26	7	BDL	Clear/ Calm
21-11-2025	22-11-2025	66	24	6	BDL	Clear/ Calm
27-11-2025	28-11-2025	73	30	8	BDL	Clear/ Calm
28-11-2025	29-11-2025	74	31	7	BDL	Clear/ Calm
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04-11-2025	05-11-2025	66	26	6	BDL	Clear/ Calm
05-11-2025	06-11-2025	68	27	7	BDL	Clear/ Calm
10-11-2025	11-11-2025	74	30	8	BDL	Clear/ Calm
11-11-2025	12-11-2025	78	33	9	BDL	Clear/ Calm
20-11-2025	21-11-2025	82	34	10	BDL	Clear/ Calm
21-11-2025	22-11-2025	80	29	9	BDL	Clear/ Calm
27-11-2025	28-11-2025	77	31	8	BDL	Clear/ Calm
28-11-2025	29-11-2025	85	36	12	BDL	Clear/ Calm
NAAQS, 2009		100	60	80	80	

KHURSAPUR VILLAGE		UM10A4					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM <sub>10</sub> 5	PM <sub>2.5</sub> 2	NO <sub>2</sub> 6	SO <sub>2</sub> 10		
04-11-2025	05-11-2025	80	29	9	BDL	Clear/ Calm	
05-11-2025	06-11-2025	71	27	7	BDL	Clear/ Calm	
10-11-2025	11-11-2025	75	29	8	BDL	Clear/ Calm	
11-11-2025	12-11-2025	64	23	6	BDL	Clear/ Calm	
20-11-2025	21-11-2025	67	25	7	BDL	Clear/ Calm	
21-11-2025	22-11-2025	82	33	10	BDL	Clear/ Calm	
27-11-2025	28-11-2025	84	37	11	BDL	Clear/ Calm	
28-11-2025	29-11-2025	76	28	9	BDL	Clear/ Calm	
NAAQS, 2009		100	60	80	80		
HEOTI VILLAGE		UM10A5					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM <sub>10</sub> 5	PM <sub>2.5</sub> 2	NO <sub>2</sub> 6	SO <sub>2</sub> 10		
04-11-2025	05-11-2025	66	23	6	BDL	Clear/ Calm	
05-11-2025	06-11-2025	69	25	7	BDL	Clear/ Calm	
10-11-2025	11-11-2025	74	28	9	BDL	Clear/ Calm	
11-11-2025	12-11-2025	76	29	8	BDL	Clear/ Calm	
20-11-2025	21-11-2025	83	32	10	BDL	Clear/ Calm	
21-11-2025	22-11-2025	85	34	11	BDL	Clear/ Calm	
27-11-2025	28-11-2025	78	29	8	BDL	Clear/ Calm	
28-11-2025	29-11-2025	80	30	9	BDL	Clear/ Calm	
NAAQS, 2009		100	60	80	80		
SUBSTATION		UM10A6					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	SPM 5	PM <sub>10</sub> 5	PM <sub>2.5</sub> 2	NO <sub>2</sub> 6		SO <sub>2</sub> 10
15-11-2025	16-11-2025	275	177	44	15	13	Cloudy sky / windy
29-11-2025	30-11-2025	296	169	50	17	14	Cloudy sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-11-25 TO 15-12-25

MINE WATER DISCHARGE: UM1OW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-11-2025	7.02	25	36	BDL
22-11-2025	7.26	30	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: UM1OW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-11-2025	6.94	20	32	BDL
22-11-2025	7.42	16	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*J. Singh*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

PIT OFFICE: UM10N1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'25	11-11-2025	63.6	58.2
NOV'25	27-11-2025	62.3	57.0
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SIRPUR VILLAGE: UM10N2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'25	11-11-2025	49.8	41.3
NOV'25	27-11-2025	50.3	42.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

HEOTI VILLAGE: UM10N3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'25	11-11-2025	51.6	42.4
NOV'25	27-11-2025	50.1	42.0
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

  
Yogesh Pidurkar  
Reviewed by

  
Amol Kamble  
Authorised by

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\*\*\*\*\* End of report \*\*\*\*\*



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**ENVIRONMENTAL MONITORING REPORT**

**MAKARDHOKRA-I OC**

UMRER AREA

**WESTERN COALFIELDS LTD.**

JOB NO. 4094423068



SEPTEMBER 2025

**Environment Laboratory**

**CMPDI**

REGIONAL INSTITUTE-IV, KASTURBA NAGAR,  
JARIPATKA, NAGPUR, PIN – 440 014

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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TEST REPORT NO.	RIN/TR/SEPT-25/34	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
05-09-2025	06-09-2025	255	162	49	15	13	Cloudy sky / Calm
19-09-2025	20-09-2025	269	170	53	16	14	Clear sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
01-09-2025	02-09-2025	65	24	7	BDL	Rainy, Cloud sky / Breeze
02-09-2025	03-09-2025	67	27	8	BDL	Rainy sky, over cast / Breeze
07-09-2025	08-09-2025	70	29	8	BDL	partially cloudy/ Light breeze
08-09-2025	09-09-2025	77	30	9	BDL	Rainy, Cloud sky / Breeze
13-09-2025	14-09-2025	73	25	8	BDL	partially cloudy/ Light breeze
16-09-2025	17-09-2025	69	28	7	BDL	Rainy sky, over cast / Breeze
20-09-2025	21-09-2025	74	31	9	BDL	Rainy, Cloud sky / Breeze
21-09-2025	22-09-2025	70	29	8	BDL	Cloud sky / Calm
26-09-2025	27-09-2025	75	28	9	BDL	Rain, cloudy/ Breeze
27-09-2025	28-09-2025	68	26	6	BDL	partially cloudy/ Light breeze
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
01-09-2025	02-09-2025	66	23	6	BDL	Rainy, Cloud sky / Breeze
02-09-2025	03-09-2025	68	25	7	BDL	Rainy sky, over cast / Breeze
07-09-2025	08-09-2025	71	28	8	BDL	partially cloudy/ Light breeze
08-09-2025	09-09-2025	74	30	10	BDL	Rainy, Cloud sky / Breeze
13-09-2025	14-09-2025	69	27	7	BDL	partially cloudy/ Light breeze
16-09-2025	17-09-2025	72	31	9	BDL	Rainy sky, over cast / Breeze
20-09-2025	21-09-2025	75	32	11	BDL	Rainy, Cloud sky / Breeze
21-09-2025	22-09-2025	67	26	7	BDL	Cloud sky / Calm
26-09-2025	27-09-2025	69	28	8	BDL	Rain, cloudy/ Breeze
27-09-2025	28-09-2025	73	31	9	BDL	partially cloudy/ Light breeze
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

KHURSAPUR VILLAGE		UM10A4				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	2	6	10	
01-09-2025	02-09-2025	70	25	7	BDL	Rainy, Cloud sky / Breeze
02-09-2025	03-09-2025	68	23	6	BDL	Rainy sky, over cast / Breeze
07-09-2025	08-09-2025	74	27	8	BDL	partially cloudy/ Light breeze
08-09-2025	09-09-2025	72	29	9	BDL	Rainy, Cloud sky / Breeze
13-09-2025	14-09-2025	67	24	6	BDL	partially cloudy/ Light breeze
16-09-2025	17-09-2025	63	23	7	BDL	Rainy sky, over cast / Breeze
20-09-2025	21-09-2025	62	22	6	BDL	Rainy, Cloud sky / Breeze
21-09-2025	22-09-2025	70	30	10	BDL	Cloud sky / Calm
26-09-2025	27-09-2025	73	32	11	BDL	Rain, cloudy/ Breeze
27-09-2025	28-09-2025	75	34	12	BDL	partially cloudy/ Light breeze
NAAQS, 2009		100	60	80	80	

HEOTI VILLAGE		UM10A5				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	2	6	10	
01-09-2025	02-09-2025	66	25	8	BDL	Rainy, Cloud sky / Breeze
02-09-2025	03-09-2025	71	26	10	BDL	Rainy sky, over cast / Breeze
07-09-2025	08-09-2025	64	22	7	BDL	partially cloudy/ Light breeze
08-09-2025	09-09-2025	72	27	9	BDL	Rainy, Cloud sky / Breeze
13-09-2025	14-09-2025	75	29	10	BDL	partially cloudy/ Light breeze
16-09-2025	17-09-2025	69	30	8	BDL	Rainy sky, over cast / Breeze
20-09-2025	21-09-2025	73	33	10	10	Rainy, Cloud sky / Breeze
21-09-2025	22-09-2025	61	25	6	BDL	Cloud sky / Calm
26-09-2025	27-09-2025	74	28	9	BDL	Rain, cloudy/ Breeze
27-09-2025	28-09-2025	65	26	8	10	partially cloudy/ Light breeze
NAAQS, 2009		100	60	80	80	

SUBSTATION		UM10A6				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	
		5	5	2	6	10
07-09-2025	08-09-2025	249	146	42	14	12
20-09-2025	21-09-2025	272	166	49	16	13
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120

  
Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C, O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-09-25 TO 15-10-25


MINE WATER DISCHARGE: UM10W1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07-09-2025	7.52	32	44	BDL
20-09-2025	7.67	35	52	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: UM10W2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07-09-2025	7.12	23	32	BDL
20-09-2025	7.43	19	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

PIT OFFICE: UM10N1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEPT'25	14-09-2025	65.4	59.0
SEPT'25	21-09-2025	64.8	60.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SIRPUR VILLAGE: UM10N2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEPT'25	14-09-2025	49.0	41.6
SEPT'25	21-09-2025	48.5	42.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

HEOTI VILLAGE: UM10N3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEPT'25	14-09-2025	51.2	42.2
SEPT'25	21-09-2025	50.2	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

  
Yogesh Pidurkar  
Reviewed by

  
Amol Kamble  
Authorised by

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## ENVIRONMENTAL MONITORING REPORT

### MAKARDHOKRA-I OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



DECEMBER 2025

Environment Laboratory

**CMPDI**

REGIONAL INSTITUTE-IV, KASTURBA NAGAR,  
JARIPATKA, NAGPUR, PIN – 440 014

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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TEST REPORT NO.	RIN/TR/DEC-25/34	DATE OF ISSUE	25-01-2026
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-25 TO 15-01-26

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06-12-2025	07-12-2025	265	170	46	18	14	Cloudy sky / Calm
21-12-2025	22-12-2025	281	183	50	20	16	Cloudy sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DEcember 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
05-12-2025	06-12-2025	74	27	14	BDL	Clear/ Calm
06-12-2025	07-12-2025	80	30	16	BDL	Clear/ Calm
12-12-2025	13-12-2025	78	28	18	BDL	Clear/ Calm
13-12-2025	14-12-2025	82	35	21	11	Clear/ Calm
17-12-2025	18-12-2025	87	39	22	12	Clear/ Light breeze
18-12-2025	19-12-2025	76	26	19	BDL	Clear/ Light breeze
24-12-2025	25-12-2025	79	29	20	BDL	Clear/ Light breeze
25-12-2025	26-12-2025	83	33	24	10	Clear/ Light breeze
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
05-12-2025	06-12-2025	75	22	12	BDL	Clear/ Calm
06-12-2025	07-12-2025	78	25	15	BDL	Clear/ Calm
12-12-2025	13-12-2025	85	28	19	10	Clear/ Calm
13-12-2025	14-12-2025	76	24	18	10	Clear/ Calm
17-12-2025	18-12-2025	79	30	17	11	Clear/ Light breeze
18-12-2025	19-12-2025	81	32	16	BDL	Clear/ Light breeze
24-12-2025	25-12-2025	83	34	19	12	Clear/ Light breeze
25-12-2025	26-12-2025	84	35	20	13	Clear/ Light breeze
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

KHURSAPUR VILLAGE		UM10A4					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM <sub>10</sub> 5	PM <sub>2.5</sub> 2	NO <sub>2</sub> 6	SO <sub>2</sub> 10		
05-12-2025	06-12-2025	71	21	13	BDL	Clear/ Calm	
06-12-2025	07-12-2025	78	25	15	BDL	Clear/ Calm	
12-12-2025	13-12-2025	75	22	12	BDL	Clear/ Calm	
13-12-2025	14-12-2025	80	27	16	BDL	Clear/ Calm	
17-12-2025	18-12-2025	76	22	17	10	Clear/ Light breeze	
18-12-2025	19-12-2025	84	28	18	11	Clear/ Light breeze	
24-12-2025	25-12-2025	75	18	12	BDL	Clear/ Light breeze	
25-12-2025	26-12-2025	86	30	18	12	Clear/ Light breeze	
NAAQS, 2009		100	60	80	80		
HEOTI VILLAGE		UM10A5					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM <sub>10</sub> 5	PM <sub>2.5</sub> 2	NO <sub>2</sub> 6	SO <sub>2</sub> 10		
05-12-2025	06-12-2025	74	26	14	BDL	Clear/ Calm	
06-12-2025	07-12-2025	70	28	16	BDL	Clear/ Calm	
12-12-2025	13-12-2025	69	26	15	BDL	Clear/ Calm	
13-12-2025	14-12-2025	77	30	17	BDL	Clear/ Calm	
17-12-2025	18-12-2025	75	27	15	BDL	Clear/ Light breeze	
18-12-2025	19-12-2025	80	32	17	11	Clear/ Light breeze	
24-12-2025	25-12-2025	83	38	18	12	Clear/ Light breeze	
25-12-2025	26-12-2025	81	33	15	BDL	Clear/ Light breeze	
NAAQS, 2009		100	60	80	80		
SUBSTATION		UM10A6					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	SPM 5	PM <sub>10</sub> 5	PM <sub>2.5</sub> 2	NO <sub>2</sub> 6		SO <sub>2</sub> 10
08-12-2025	09-12-2025	256	152	40	14	12	Cloudy sky / Calm
28-12-2025	29-12-2025	274	160	44	16	13	Cloudy sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-12-25 TO 15-01-26


MINE WATER DISCHARGE: UM1OW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07-12-2025	7.43	23	32	BDL
21-12-2025	7.55	28	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: UM1OW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07-12-2025	7.21	21	28	BDL
21-12-2025	7.02	17	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*J. Singh*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

PIT OFFICE: UM10N1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
DEC'25	12-12-2025	62.5	57.6
DEC'25	26-12-2025	61.9	57.0
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SIRPUR VILLAGE: UM10N2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
DEC'25	12-12-2025	50.6	41.8
DEC'25	26-12-2025	49.6	41.0
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

HEOTI VILLAGE: UM10N3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
DEC'25	12-12-2025	51.5	42.2
DEC'25	26-12-2025	52.0	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

  
Yogesh Pidurkar  
Reviewed by

  
Amol Kamble  
Authorised by

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## ENVIRONMENTAL MONITORING REPORT

### MAKARDHOKRA-I OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2026




Environment Laboratory

**CMPDI**

REGIONAL INSTITUTE-IV, KASTURBA NAGAR,  
JARIPATKA, NAGPUR, PIN – 440 014

AN ISO 9001:2015 COMPANY



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7502
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TEST REPORT NO.	RIN/TR/JAN-26/34	DATE OF ISSUE	25-02-2026
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-26 TO 15-02-26	

PIT OFFICE UM10A1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM <sub>5</sub>	PM <sub>10</sub> <sub>5</sub>	PM <sub>2.5</sub> <sub>2</sub>	NO <sub>2</sub> <sub>6</sub>	SO <sub>2</sub> <sub>10</sub>	
06-01-2026	07-01-2026	295	195	54	22	17	Clear/ Calm
27-01-2026	28-01-2026	308	203	57	25	19	Clear/ Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DEcember 2000		600	300	-	120	120	

KALMANA VILLAGE UM10A2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub> <sub>5</sub>	PM <sub>2.5</sub> <sub>2</sub>	NO <sub>2</sub> <sub>6</sub>	SO <sub>2</sub> <sub>10</sub>	
02-01-2026	03-01-2026	80	30	11	BDL	Clear/ Light breeze
03-01-2026	04-01-2026	82	31	12	BDL	Clear/ Light breeze
09-01-2026	10-01-2026	78	29	9	BDL	Clear/ Light breeze
10-01-2026	11-01-2026	75	25	7	BDL	Clear/ Light breeze
15-01-2026	16-01-2026	79	27	8	BDL	Clear/ Light breeze
17-01-2026	18-01-2026	83	32	14	10	Clear/ Light breeze
21-01-2026	22-01-2026	84	34	15	11	Clear/ Light breeze
22-01-2026	23-01-2026	87	36	16	BDL	Clear/ Light breeze
29-01-2026	30-01-2026	82	30	13	BDL	Clear/ Light breeze
30-01-2026	31-01-2026	77	28	9	BDL	Clear/ Light breeze
NAAQS, 2009		100	60	80	80	

SIRPUR VILLAGE UM10A3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub> <sub>5</sub>	PM <sub>2.5</sub> <sub>2</sub>	NO <sub>2</sub> <sub>6</sub>	SO <sub>2</sub> <sub>10</sub>	
02-01-2026	03-01-2026	83	31	12	BDL	Clear/ Light breeze
03-01-2026	04-01-2026	77	29	8	BDL	Clear/ Light breeze
09-01-2026	10-01-2026	81	31	10	BDL	Clear/ Light breeze
10-01-2026	11-01-2026	76	26	8	BDL	Clear/ Light breeze
15-01-2026	16-01-2026	82	31	9	BDL	Clear/ Light breeze
17-01-2026	18-01-2026	84	33	14	11	Clear/ Light breeze
21-01-2026	22-01-2026	86	37	15	12	Clear/ Light breeze
22-01-2026	23-01-2026	80	29	9	BDL	Clear/ Light breeze
29-01-2026	30-01-2026	84	32	10	BDL	Clear/ Light breeze
30-01-2026	31-01-2026	79	27	8	BDL	Clear/ Light breeze
NAAQS, 2009		100	60	80	80	

KHURSAPUR VILLAGE							UM10A4
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
		5	2	6	10		
02-01-2026	03-01-2026	79	29	8	BDL	Clear/ Light breeze	
03-01-2026	04-01-2026	75	26	7	BDL	Clear/ Light breeze	
09-01-2026	10-01-2026	74	25	6	BDL	Clear/ Light breeze	
10-01-2026	11-01-2026	82	30	10	BDL	Clear/ Light breeze	
15-01-2026	16-01-2026	83	33	11	BDL	Clear/ Light breeze	
17-01-2026	18-01-2026	80	32	10	BDL	Clear/ Light breeze	
21-01-2026	22-01-2026	81	30	9	BDL	Clear/ Light breeze	
22-01-2026	23-01-2026	77	29	9	BDL	Clear/ Light breeze	
29-01-2026	30-01-2026	79	30	8	BDL	Clear/ Light breeze	
30-01-2026	31-01-2026	81	32	12	BDL	Clear/ Light breeze	
NAAQS, 2009		100	60	80	80		


HEOTI VILLAGE							UM10A5
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
		5	2	6	10		
02-01-2026	03-01-2026	75	26	7	BDL	Clear/ Light breeze	
03-01-2026	04-01-2026	78	29	8	BDL	Clear/ Light breeze	
09-01-2026	10-01-2026	76	27	8	BDL	Clear/ Light breeze	
10-01-2026	11-01-2026	82	33	10	BDL	Clear/ Light breeze	
15-01-2026	16-01-2026	84	35	12	10	Clear/ Light breeze	
17-01-2026	18-01-2026	79	30	9	BDL	Clear/ Light breeze	
21-01-2026	22-01-2026	83	31	10	BDL	Clear/ Light breeze	
22-01-2026	23-01-2026	82	33	9	BDL	Clear/ Light breeze	
29-01-2026	30-01-2026	76	27	8	BDL	Clear/ Light breeze	
30-01-2026	31-01-2026	77	28	7	BDL	Clear/ Light breeze	
NAAQS, 2009		100	60	80	80		

SUBSTATION							UM10A6
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>		
		5	5	2	6	10	
08-01-2026	09-01-2026	277	175	45	16	13	Clear/ Calm
29-01-2026	30-01-2026	286	189	47	18	15	Clear/ Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DEcember 2000		600	300	-	120	120	



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-01-26 TO 15-02-26

MINE WATER DISCHARGE: UM1OW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06-01-2026	7.37	28	40	BDL
29-01-2026	7.55	36	52	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: UM1OW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06-01-2026	7.27	18	24	BDL
29-01-2026	7.35	22	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*J. Shy*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

PIT OFFICE: UM10N1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JAN'26	11-01-2026	61.3	56.5
JAN'26	22-01-2026	60.0	55.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SIRPUR VILLAGE: UM10N2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JAN'26	11-01-2026	48.6	40.1
JAN'26	22-01-2026	51.4	41.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

HEOTI VILLAGE: UM10N3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JAN'26	11-01-2026	50.7	42.0
JAN'26	22-01-2026	51.2	41.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

  
Yogesh Pidurkar  
Reviewed by

  
Amol Kamble  
Authorised by

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**Form 4**

See rules 6(5),13(8),16(6) and 20(2) of Hazardous and other wastes 2016

**FORM FOR FILING ANNUAL RETURNS**

[ To be submitted to state pollution control board/pollution control committee by 30th June of every year for the preceeding period April to march]

**Unit Name:**

Western Coalfield Limited MKD-1

**Plant Name:**

Western Coalfield Limited MKD-1

**Unique Application Number:**

MPCB-HW\_ANNUAL\_RETURN-0000060035

**Submitted On:**

02-07-2025

**Industry Type :**

Generator

**Submitted for Year:**

2025

**1. Name of the generator/operator of facility**

M/s Western Coalfields Limited, Makardhokra-I OC Mine

**Address of the unit/facility**

M/s Western Coalfields Limited, Makardhokra-I OC Mine, Post: Shirpur, Tal: Umred, Dist: Nagpur

**1b. Authorization Number**

Format 1.0/CAC/UAN No.0000160392/CR/2307001141

**Date of issue**

Jul 18, 2023

**Date of validity of consent**

Mar 31, 2026

**2. Name of the authorised person**

Amarnath Ratanlal Yadav, Sub Area Manager, Umrer Sub Area

**Full address of authorised person**

O/o Sub Area Manager, Umrer Sub Area, Tal: Umred, Dist: Nagpur

**Telephone**

8275971325

**Fax**

0

**Email**

sammkdumrer@gmail.com

**3. Production during the year (product wise), wherever applicable**

Product Type *	Product Name *	Consented Quantity	Actual Quantity	UOM
Mining	Coal	4.2000	4.2	MTPA

**PART A: To be filled by hazardous waste generators**

**1. Total Quantity of waste generated category wise**

Type of hazardous waste	Waste Name	Consented Quantity	Quantity	UOM
5.1 Used or spent oil	Burnt Oil	18.250	18.10	KL/Anum
35.3 Chemical sludge from waste water treatment	ETP Sludge and oil soaked cotton	36.500	18.57	MTA

**2. Quantity dispatched category wise.**

Type of Waste	Quantity of waste	UOM	Dispatched to	Facility Name
5.1 Used or spent oil	18.10	KL/Anum	Recycler or Actual user	Sold to authorized recycler
35.3 Chemical sludge from waste water treatment	18.57	MTA	Disposal Facility	MEPL Nagpur

**3. Quantity Utilised in-house, If any**

Type of Waste	Name of Waste	Quantity of Waste	UOM
	NA	0	KL/Anum

#### 4. Quantity in storage at the end of the year

<b>Type of Waste</b>	<b>Name of Waste</b>	<b>Quantity of Waste</b>	<b>UOM</b>
	NA	0	KL/Anum
	NA	0	MTA

#### 5. Quantity disposed in landfills as such and after treatment

<b>Type</b>	<b>Quantity</b>	<b>UOM</b>
Direct landfilling	0	KL/Anum
Landfill after treatment	0	KL/Anum

#### 6. Quantity incinerated (if applicable)

	<b>UOM</b>
0	KL/Anum

#### Personal Details

<b>Place</b>	<b>Date</b>	<b>Designation</b>
Umrer	2025-07-02	Sub Area Manager

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## **ENVIRONMENTAL MONITORING REPORT w.r.t.HEAVY METALS IN AMBIENT AIR UMRER AREA**

**WESTERN COALFIELDS LTD.**



**HALF YEARLY (OCT 25 - MAR 26)**

**Environment Laboratory**

NABL Accredited vide Cert. No. TC-7102

**CMPDI**

REGIONAL INSTITUTE-IV, KASTURBA NAGAR,  
JARIPATKA, NAGPUR, PIN – 440 014

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# INDEX

Sl. No.	PARTICULARS	PAGE NO.
1	HEAVY METAL ANALYSIS REPORT	3 TO 10

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report Ambient Air Quality Monitoring Data For Heavy Metals</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/DEC /HM21	DATE OF ISSUE	25-02-2026
NAME OF CUSTOMER	GM(ENV.),WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	AIR SAMPLE
TEST REQUIRED	Heavy metals (As, Pb, Ni, Cr & Cd ) in air samples (ASTM D 4185)		
NAME OF AREA	UMRER	SAMPLING METHOD : LSOP 4	
NAME OF PROJECT	UMRER OC	SAMPLING PLAN : LQR 47	
No. of Pages	1		

Sl No.	Name of location	Location Code	Date of sampling
1	Umrer Manger Office	UUOA-1	18-10-2025
2	Near workshop	UUOA-2	18-10-2025
3	Near pump house/colony	UUOA-3	05-10-2025
4	Kanwa Village	UUOA-4	05-10-2025

Sl. No.	Parameter	Method of analysis	Detection limit	Observed Value				National Ambient Air Quality Standard NAAQS, 2009
				UUOA-1	UUOA-2	UUOA-3	UUOA-4	
1	Arsenic, $\mu\text{g}/\text{m}^3$	CPCB Guidelines for the measurement of Ambient Air Vol.1	$0.0007 \mu\text{g}/\text{m}^3$	BDL	BDL	BDL	BDL	$0.006 \mu\text{g}/\text{m}^3$ (Annual average)
2	Lead, $\mu\text{g}/\text{m}^3$	IS 5182 PART 22	$7.0 \mu\text{g}/\text{m}^3$	BDL	BDL	BDL	BDL	$1.0 \mu\text{g}/\text{m}^3$ (24 Hourly average)
3	Nickle, $\mu\text{g}/\text{m}^3$	IS 5182 PART 26	$0.007 \mu\text{g}/\text{m}^3$	BDL	BDL	BDL	BDL	$0.02 \mu\text{g}/\text{m}^3$ (Annual average)
4	Total Chromium, $\mu\text{g}/\text{m}^3$	USEPA Compendium Methode IO 3.2	$0.0045 \mu\text{g}/\text{m}^3$	BDL	BDL	BDL	BDL	**
5	Cadmium, $\mu\text{g}/\text{m}^3$	USEPA Compendium Methode IO 3.2	$0.0015 \mu\text{g}/\text{m}^3$	BDL	BDL	BDL	BDL	**

BDL: BELOW DETECTION LIMIT



SCIENTIFIC ASSISTANT



AMOL KAMBLE  
AUTHORIZED SIGNATORY

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3	** This parameter not regulated as per NAAQS

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report Ambient Air Quality Monitoring Data For Heavy Metals</b>	
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TEST REPORT NO.	RIN/TR/DEC /HM22	DATE OF ISSUE	25-02-2026
NAME OF CUSTOMER	GM(ENV.),WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	AIR SAMPLE
TEST REQUIRED	Heavy metals (As, Pb, Ni, Cr & Cd ) in air samples (ASTM D 4185)		
NAME OF AREA	UMRER	SAMPLING METHOD : LSOP 4	
NAME OF PROJECT	MAKARDHOKARA-II	SAMPLING PLAN : LQR 47	
No. of Pages	1		

Sl No.	Name of location	Location Code	Date of sampling
1	NEAR MANAGER OFFICE	UMOA-1	19-10-2025
2	SAM OFFICE	UMOA-2	19-10-2025
3	SUBSTATION	UM10A-6	24-10-2025

Sl. No.	Parameter	Method of analysis	Detection limit	Observed Value			National Ambient Air Quality Standard NAAQS, 2009
				UMOA-1	UMOA-2	UM10A-6	
1	Arsenic, $\mu\text{g}/\text{m}^3$	CPCB Guidelines for the measurement of Ambient Air Vol.1	$0.0007 \mu\text{g}/\text{m}^3$	BDL	BDL	BDL	SUBSTATION B156:J161
2	Lead, $\mu\text{g}/\text{m}^3$	IS 5182 PART 22	$7.0 \mu\text{g}/\text{m}^3$	BDL	BDL	BDL	$1.0 \mu\text{g}/\text{m}^3$ <sup>(24)</sup> Hourly average)
3	Nickle, $\mu\text{g}/\text{m}^3$	IS 5182 PART 26	$0.007 \mu\text{g}/\text{m}^3$	BDL	BDL	BDL	$0.02 \mu\text{g}/\text{m}^3$ (Annual average)
4	Total Chromium, $\mu\text{g}/\text{m}^3$	USEPA Compendium Methode IO 3.2	$0.0045 \mu\text{g}/\text{m}^3$	BDL	BDL	BDL	**
5	Cadmium, $\mu\text{g}/\text{m}^3$	USEPA Compendium Methode IO 3.2	$0.0015 \mu\text{g}/\text{m}^3$	BDL	BDL	BDL	**

BDL: BELOW DETECTION LIMIT



SCIENTIFIC ASSISTANT



AMOL KAMBLE  
AUTHORIZED SIGNATORY

1	This Report refers to the values related to the items tested.
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3	** This parameter not regulated as per NAAQS

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report Ambient Air Quality Monitoring Data For Heavy Metals</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/DEC /HM23	DATE OF ISSUE	25-02-2026
NAME OF CUSTOMER	GM(ENV.),WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	AIR SAMPLE
TEST REQUIRED	Heavy metals (As, Pb, Ni, Cr & Cd ) in air samples (ASTM D 4185)		
NAME OF AREA	UMRER	SAMPLING METHOD : LSOP 4	
NAME OF PROJECT	MAKARDHOKRA-I OC	SAMPLING PLAN : LQR 47	
No. of Pages	1		

Sl No.	Name of location	Location Code	Date of sampling
1	PIT OFFICE	UM10A-1	18-10-2025
2	KALMANA VILLAGE	UM10A-2	03-10-2025
3	SIRPUR VILLAGE	UM10A-3	03-10-2025
4	KHURSAPAR VILLAGE	UM10A-4	03-10-2025
5	HEOTI VILLAGE	UM10A-5	03-10-2025

Sl. No.	Parameter	Method of analysis	Detection limit	Observed Value					National Ambient Air Quality Standard NAAQS, 2009
				UM10A-1	UM10A-2	UM10A-3	UM10A-4	UM10A-5	
1	Arsenic, µg/m <sup>3</sup>	CPCB Guidelines for the measurement of Ambient Air Vol.1	0.0007 µg/m <sup>3</sup>	BDL	BDL	BDL	BDL	BDL	0.006 µg/m <sup>3</sup> (Annual average)
2	Lead, µg/m <sup>3</sup>	IS 5182 PART 22	7.0 µg/m <sup>3</sup>	BDL	BDL	BDL	BDL	BDL	1.0 µg/m <sup>3</sup> (24 Hourly average)
3	Nickle, µg/m <sup>3</sup>	IS 5182 PART 26	0.007 µg/m <sup>3</sup>	BDL	BDL	BDL	BDL	BDL	0.02 µg/m <sup>3</sup> (Annual average)
4	Total Chromium, µg/m <sup>3</sup>	USEPA Compendium Methode IO 3.2	0.0045 µg/m <sup>3</sup>	BDL	BDL	BDL	BDL	BDL	**
5	Cadmium, µg/m <sup>3</sup>	USEPA Compendium Methode IO 3.2	0.0015 µg/m <sup>3</sup>	BDL	BDL	BDL	BDL	BDL	**

BDL: BELOW DETECTION LIMIT



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report Ambient Air Quality Monitoring Data For Heavy Metals</b>	 TC-7102
---	---	--

TEST REPORT NO.	RIN/TR/DEC /HM24	DATE OF ISSUE	25-02-2026
NAME OF CUSTOMER	GM(ENV.),WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	AIR SAMPLE
TEST REQUIRED	Heavy metals (As, Pb, Ni, Cr & Cd ) in air samples (ASTM D 4185)		
NAME OF AREA	UMRER	SAMPLING METHOD : LSOP 4	
NAME OF PROJECT	DINESH OC	SAMPLING PLAN : LQR 47	
No. of Pages	1		

SI No.	Name of location	Location Code	Date of sampling
1	MANAGER OFFICE	UM30A-1	19-10-2025
2	NEAR RAILWAY WEIGH BRIDGE	UM30A-2	24-10-2025
3	PIPARDOL VILLAGE	UM30A-3	03-10-2025
4	WELSAKRA VILLAGE	UM30A-4	03-10-2025

Sl. No.	Parameter	Method of analysis	Detection limit	Observed Value				National Ambient Air Quality Standard NAAQS, 2009
				UM30A-1	UM30A-2	UM30A-3	UM30A-4	
1	Arsenic, $\mu\text{g}/\text{m}^3$	CPCB Guidelines for the measurement of Ambient Air Vol.1	0.0007 $\mu\text{g}/\text{m}^3$	BDL	BDL	BDL	BDL	0.006 $\mu\text{g}/\text{m}^3$ (Annual average)
2	Lead, $\mu\text{g}/\text{m}^3$	IS 5182 PART 22	7.0 $\mu\text{g}/\text{m}^3$	BDL	BDL	BDL	BDL	1.0 $\mu\text{g}/\text{m}^3$ (24 Hourly average)
3	Nickle, $\mu\text{g}/\text{m}^3$	IS 5182 PART 26	0.007 $\mu\text{g}/\text{m}^3$	BDL	BDL	BDL	BDL	0.02 $\mu\text{g}/\text{m}^3$ (Annual average)
4	Total Chromium, $\mu\text{g}/\text{m}^3$	USEPA Compendium Methode IO 3.2	0.0045 $\mu\text{g}/\text{m}^3$	BDL	0.0048	BDL	BDL	**
5	Cadmium, $\mu\text{g}/\text{m}^3$	USEPA Compendium Methode IO 3.2	0.0015 $\mu\text{g}/\text{m}^3$	BDL	BDL	BDL	BDL	**

BDL: BELOW DETECTION LIMIT



SCIENTIFIC ASSISTANT



AMOL KAMBLE  
AUTHORIZED SIGNATORY

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3	** This parameter not regulated as per NAAQS

[See rules 115 (2)]

**Pollution Under Control Certificate**

Authorised By :  
Government of Maharashtra

**Date** : **29/12/2025**  
**Time** : **16:59:14 PM**  
**Validity upto** : **28/12/2026**



Certificate SL. No. : MH04001780000392  
Registration No. : MH40CM3371  
Date of Registration : 15/Feb/2021  
Month & Year of Manufacturing : January-2021  
Valid Mobile Number : \*\*\*\*\*5656  
Emission Norms : BHARAT STAGE VI  
Fuel : DIESEL  
PUC Code : MH0400178  
GSTIN :  
Fees : Rs.150.00  
MIL observation : No

Vehicle Photo with Registration plate  
60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	0.7	0.39

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://puc.parivahan.gov.in>

Authorised Signature with stamp of PUC Operator  
60mm x 20 mm

## Form 59

[See rules 115 (2)]

**Pollution Under Control Certificate**

Authorised By :  
Government of Maharashtra

**Date** : **29/12/2025**  
**Time** : **17:34:03 PM**  
**Validity upto** : **28/12/2026**



Certificate SL. No. : MH04001780000404  
Registration No. : MH40CM3372  
Date of Registration : 15/Feb/2021  
Month & Year of Manufacturing : January-2021  
Valid Mobile Number : \*\*\*\*\*7565  
Emission Norms : BHARAT STAGE VI  
Fuel : DIESEL  
PUC Code : MH0400178  
GSTIN :  
Fees : Rs.150.00  
MIL observation : No

Vehicle Photo with Registration plate  
60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	0.7	0.63

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://puc.parivahan.gov.in>

Authorised Signature with stamp of PUC Operator  
60mm x 20 mm

**REPORT ON  
MONITORING OF GROUND WATER LEVEL  
OF  
MAKARDHOKRA-I OC MINE  
UMRER AREA  
(M.S.)**

**WESTERN COALFIELDS LTD.**



**PERIOD- MAY 2025 (PRE MONSOON), AUG 2025 (MONSOON), NOV 2025  
(POST MONSOON) & JAN 2026 (WINTER)**



**M/s Anacon Laboratories Pvt. Ltd., Nagpur**

**MoEF&CC (GOI) Recognized Laboratory  
ISO 9001:2015, ISO 14001:2015, ISO 45001:2018  
Lab. & Consultancy: FP-34, 35, Food Park,  
MIDC, Butibori, Nagpur – 441122  
Mob: +91-9372960077  
Email: [ngp@anacon.in](mailto:ngp@anacon.in)  
Website: [www.anaconlaboratories.com](http://www.anaconlaboratories.com)  
Report No. ANqr /PD/20A/2023/199**

**2025-26**

## Certificate

Groundwater level monitoring has been conducted with due diligence, and a comprehensive report on the monitoring of groundwater levels in all observation wells has been prepared as per the scope of work outlined in work order no. वेकोलि/मुख्यालय/पर्यावरण/14-L/1122-1148, dated 19.04.2025 for the Jan 2026 (Winter) Period.

The report includes the monitoring of groundwater levels and water quality analysis of observation wells pertaining to MAKARDHOKRA-I OC MINE, of UMRER Area, Maharashtra State.

The groundwater level monitoring was meticulously carried out by Anacon Laboratories Pvt. Ltd., and the analysis of the samples was performed by Anacon Laboratories Pvt. Ltd., a NABL Accredited Laboratory. (NABL Certificate no. TC-12998)

Anacon Laboratories Pvt. Ltd. gratefully acknowledges the full cooperation rendered by the concerned WCL officials, which facilitated the timely completion of the project.



**Krupali Raut**  
(Geologist)



**Gyanchand Bohra**  
NABET Accredited EIA Expert  
for Hydrogeology & Geology

Nagpur  
Jan-2026



**(Dr. D. G. Garway)**  
Head of Organization  
Anacon Laboratories Pvt. Ltd., Nagpur

**MAKARDHOKRA-I OC MINE  
UMRER AREA  
WESTERN COALFIELDS LTD.**

**PERIOD- MAY 2025 (PRE MONSOON), AUG 2025 (MONSOON), NOV 2025 (POST MONSOON) & JAN 2026  
(WINTER)**



*Gaurav*

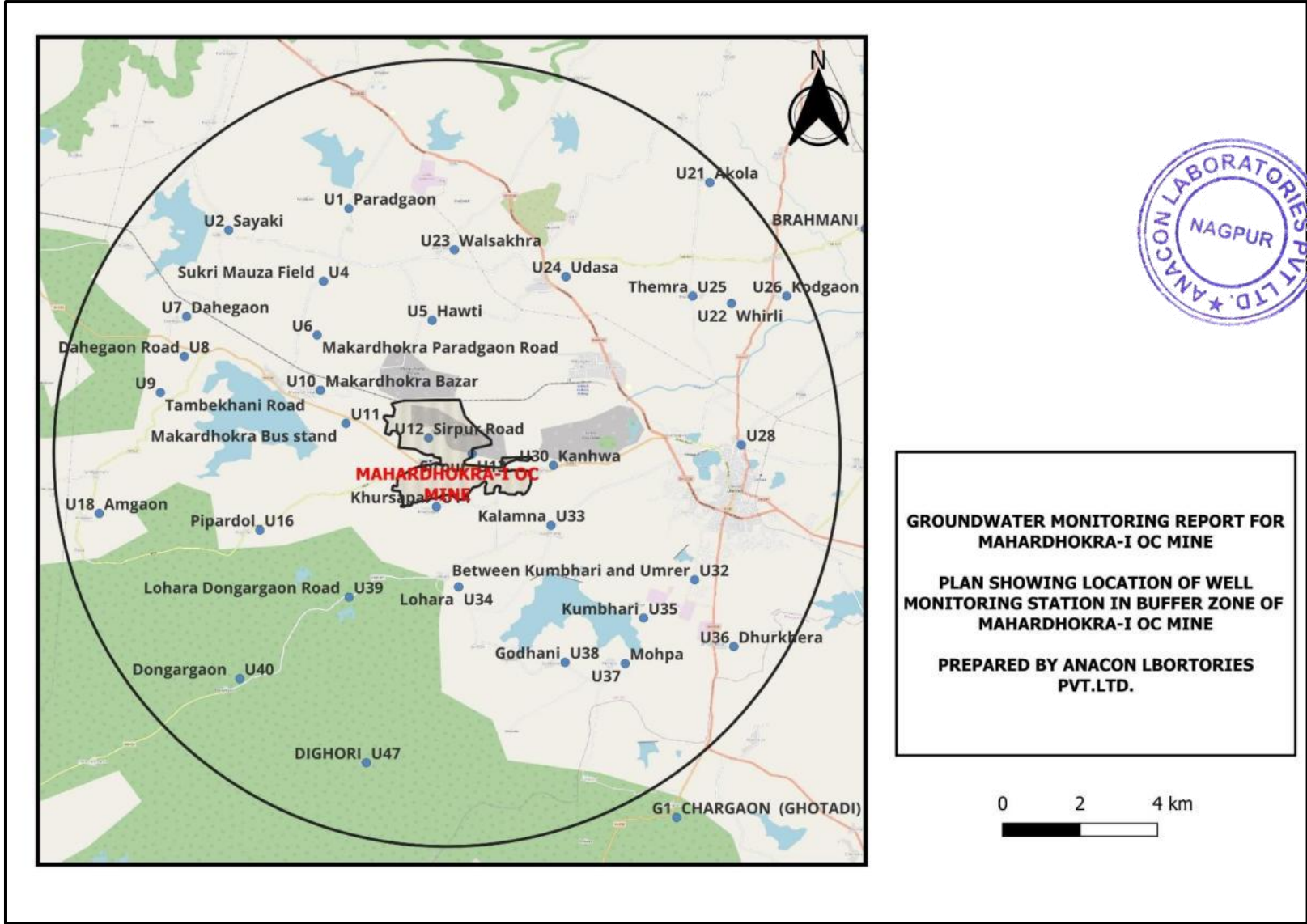


FIGURE-I: GROUND WATER MONITORING STATION (OBSERVATION WELLS IN AND AROUND OF MAKARDHOKRA-I OC MINE



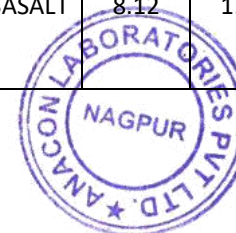
*D. Gaway*

**Table-I-A: Groundwater level monitoring data of dugwells in buffer zone of Expn. of Makardhokra-I OC, Umrer Area, WCL**

Sr. No	Well No. U	Name of village	Well location	Lat			Long			R.L.	Well dia (m)	Well depth (m bgl)	MP height (m agl)	Formation	Depth to Water (BGL-Below Ground Level), m				UTILITY
				Deg	Min	Sec	Deg	Min	Sec						May-25	Aug-25	Nov-25	Jan-26	
1	U1	Paradgaon	Adjacent to Nagpur-MKD Road (W), about 1 km S of village, near nalla	20	55	9.16	79	13	35.28	256	3.60	8.15	0.30	BASALT	6.53	3.90	3.90	4.90	Domestic
2	U2	Sayaki	Adjacent to Champa Road Near upper L.P school	20	54	49.31	79	11	45.31	257	4.60	7.80	0.42	BASALT	5.30	1.62	4.80	5.90	Domestic
3	U4	Sukri Mauza Field	About 1 km from X-roads, 30 m E of MKD road in the field, 600 m N of irrigation canal	20	54	2.54	79	13	12.10	245	4.90	8.30	0.50	BASALT	8.50	0.70	3.40	3.50	Domestic
4	U5	Hawti	S edge of village, adjacent to water supply borewell & road, in low lying area	20	53	26.83	79	14	51.56	265	2.60	11.10	0.60	BASALT	7.55	2.35	3.23	3.50	Domestic
5	U6	Makardhokra Paradgaon Road	About 2 km N of village, 120 m E of MKD-Nagpur road in the field of Eknath	20	53	13.34	79	13	6.29	224	4.10	13.40	0.90	BASALT	4.90	1.68	3.10	3.40	Domestic
6	U7	Dahegaon	E of village, near Hanuman Mandir	20	53	30.32	79	11	6.73	246	3.60	7.40	0.70	BASALT	5.30	1.91	3.50	3.80	Domestic
7	U8	Dahegaon Road	About 1 km from village road junction, about 70 m S of Umrer-Butibori road in the field	20	52	53.76	79	11	4.68	264	6.00	8.60	GL	BASALT	4.80	2.50	4.30	4.60	Domestic
8	U9	Tambekhani Road	Midway between two villages, about 50 m west of the road in the field, near to Farm house of Vakil	20	52	20.67	79	10	42.70	263	6.00	9.20	0.40	BASALT	6.00	2.68	3.60	3.14	Domestic
9	U10	Makardhokra Bazar	C of village, adjacent to village road	20	52	22.79	79	13	9.27	259	4.20	12.50	0.60	BASALT	4.35	3.36	2.80	3.00	Domestic
10	U11	Makardhokra	Adjacent (S) of Umrer-	20	51	52.42	79	13	32.66	269	4.10	13.40	0.90	BASALT	5.90	1.46	3.70	3.90	Domestic

Sr. No	Well No. U	Name of village	Well location	Lat			Long			R.L.	Well dia (m)	Well depth (m bgl)	MP height (m agl)	Formation	Depth to Water (BGL-Below Ground Level), m				UTILITY
				Deg	Min	Sec	Deg	Min	Sec						May-25	Aug-25	Nov-25	Jan-26	
		Bus stand	Butibori road, near to village road junction																ic
11	U12	Sirpur Road	About 1 km W of village, about 15 m N of Umrer-Butibori road in the field	20	51	39.08	79	14	48.28	276	3.90	15.10	0.60	BASALT	7.39	0	3.35	3.70	Domestic
12	U13	Sirpur	E of village, about 50 m N of Umrer road, (Water injection well)	20	51	24.55	79	15	28.06	280	3.55	11.50	0.40	BASALT	5.90	2.76	4.90	5.00	Domestic
13	U14	Khursapar	E of village, in Bhim part (Budh Vihar)	20	50	36.17	79	14	55.49	284	2.30	6.40	0.45	BASALT	3.70	2.31	3.60	3.90	Domestic
14	U16	Pipardol	Out side the village (East), E of Devli road, Twin wells (first)	20	50	14.73	79	12	13.80	289	2.10	8.20	0.60	BASALT	6.00	1.20	2.10	2.50	Domestic
15	U21	Akola	C of village, about 70 m E of Barwha road	20	55	32.97	79	19	5.79	240	3.60	7.50	0.70	BASALT	8.60	3.69	4.10	4.50	Domestic
16	U22	Whirli	C of village, in front of school/GP office	20	53	42.31	79	19	25.54	248	3.90	6.40	0.65	BASALT	8.50	2.97	3.40	3.70	Domestic
17	U25	Themra	SW of village, near Hanuman Mandir	20	53	49.08	79	18	50.08	251	2.20	9.10	0.60	BASALT	5.90	2.50	3.40	3.60	Domestic
18	U26	Kodgaon	C of village, about 100 m E of main road opp. House of Suman Panase	20	53	49.02	79	20	16.13	264	2.80	8.00	0.70	BASALT	2.10	1.90	2.10	2.40	Domestic
19	U28	Umrer (New Budhwari Peth) Mandir	NE corner of the town, near Hanuman temple	20	51	32.75	79	19	34.67	250	2.90	12.40	0.80	BASALT	5.30	2.37	3.60	3.80	Domestic
20	U30	Kanhwa	Adjacent (N) to Umrer road, E edge of village Dr. Ambedkar Statue	20	51	14.07	79	16	42.47	251	2.90	13.10	0.50	BASALT	6.26	2.41	3.85	4.00	Domestic
21	U32	Between Kumbhari	Adjacent (W) to Umrer-Mohpa road in the field,	20	49	29.26	79	18	51.90	239	7.50	6.50	0.40	BASALT	5.10	1.21	2.90	3.10	Domestic

Sr. No	Well No. U	Name of village	Well location	Lat			Long			R.L.	Well dia (m)	Well depth (m bgl)	MP height (m agl)	Formation	Depth to Water (BGL-Below Ground Level), m				UTILITY
				Deg	Min	Sec	Deg	Min	Sec						May-25	Aug-25	Nov-25	Jan-26	
		and Umrer	About 1 km NE of Kumbhari village																
022	U33	Kalamna	N side of village, adjacent to village road, near to primary school	20	50	19.14	79	16	40.30	238	2.65	9.60	0.75	BASALT	5.68	1.74	3.30	3.50	Domestic
23	U34	Lohara	C of village, Forest office compound	20	49	22.73	79	15	15.76	234	6.50	9.00	0.50	BASALT	2.90	1.80	2.00	2.70	Domestic
24	U35	Kumbhari	About 300 m S of village (outside), near nala P.W.S well	20	48	54.24	79	18	5.06	268	2.80	8.40	0.75	BASALT	7.30	-	2.90	4.72	Domestic
25	U36	Dhurkhera	Adjacent (E) of Girad road, In school premises	20	48	28.14	79	19	27.76	267	7.10	7.30	0.40	BASALT	4.20	1.60	2.00	2.40	Domestic
26	U37	Mohpa	NE edge of village, adjacent to village road	20	48	12.63	79	17	48.31	283	2.70	9.30	0.30	BASALT	8.40	1.20	2.50	2.70	Domestic
27	U38	Godhani	About 300 m N of village (out side), adjacent to nala	20	48	13.63	79	16	53.27	276	4.30	11.50	0.80	BASALT	10.10	4.88	4.50	4.60	Domestic
28	U39	Lohara Dongargaon Road	Right side of road near nala and Mandir	20	49	13.43	79	13	35.41	271	2.40	7.20	0.40	BASALT	3.20	2.40	3.10	3.50	Domestic
29	U40	Dongargaon	About 300 m E of village	20	47	58.73	79	11	55.44	267	3.60	6.10	0.70	BASALT	4.10	1.82	2.80	3.00	Domestic
30	U45	CHAMPA VILLAGE	NEAR BHARAT RADIATORS ADJACENT TO UMRERROAD	20	58	38.60	79	11	52.34	280	4.10	9.50	0.50	BASALT	5.40	3.90	4.30	4.00	Domestic
31	U47	DIGHORI	OUTSIDE THE VILLAGE ADJACENT TO THE ROAD ABOUT 300 METER FROM ROAD.	20	46	41.79	79	13	51.31	268	6.00	8.50	0.60	BASALT	3.43	2.48	2.65	2.70	Domestic
32	U52	KHARANDLA	ON KARHANDLA WILDLIFE SANCTURI ROAD	20	50	48.59	79	23	48.55	262	5.40	10.50	0.70	BASALT	8.12	1.71	3.30	3.70	Domestic





Test Report

ULR No.-TC129982500003251F

Test Report No.: ALPL/12062025/14- 1

Dated 12.06.2025

Page 1 of 2

Table with 4 columns: Issued To, Sample Inward No., Analysis Start, Analysis End, Inward Date, Reference, Inv. No., Sample Description, Sample Details, Purpose of analysis, Quantity Received, Sampling By, Sampling Date, Sampling Time, Sampling Location, Tests Required.

TEST RESULTS

Main test results table with columns: S.N., Test Parameter, Measurement Unit, Test Method, Requirement as per IS 10500, and Test Result. Includes chemical and residue in water groups.

Please refer last Page for Note and remarks .

Verified By

Snehal Raut Technical Manager

Dhanashree Hiwanj Sr. Technical Assistant

Authorized Signatory

Chinmay Garway Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us.

Anacon Laboratories Pvt. Ltd. Nagpur Lab

FP-34, 35, Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122

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Test Report

ULR No.-TC129982500003251F

Test Report No.: ALPL/12062025/14- 1

Dated 12.06.2025

Page 2 of 2

Issued To : M/s Western Coalfields Limited (WCL) Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	Sample Inward No.	ALPL/26052025/W-1/20-1	Analysis Start	26.05.2025
	Inward Date	26.05.2025	Analysis End	02.06.2025
	Reference	WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025		
	Inv. No.	6		
Sample Description Ground Water	Sample Details As Provided By Client Ground Water (Umrer Area)	Purpose of analysis Drinking	Quantity Received 1 Ltr	
Sampling By Anacon Representative - Mr.Kailash Chahande Sampling Method- ANtd/7.2/MON-01	Sampling Date 19.05.2025	Sampling Time Not Mentioned	Sampling Location Paradgaon (Well No.-U1)	
Tests Required Cadmium (as Cd),Iron (as Fe), Lead (as Pb), Manganese (as Mn), Nickel (as Ni), Selenium (as Se), Total Chromium (as Cr), Zinc (as Zn)				

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	Discipline – Chemical		Group- Residues In Water			
20	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LOQ-0.002)
21	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.11
22	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
23	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LOQ-0.02)
24	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LOQ-0.01)
25	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
26	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LOQ-0.02)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LOQ-0.02)

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REMARKS : As requested by the client, the sample was tested for the above parameters only. Sample bearing the details mentioned as above is not complying with IS 10500(2012) requirements for the tests Sr. No. 12 & 14.

Verified By

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Garwal  
Deputy Quality Manager

-----END OF REPORT-----

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Test Report

ULR No.-TC129982500003252F

Test Report No.: ALPL/12062025/14-2

Dated 12.06.2025

Page 1 of 2

Table with 4 columns: Issued To, Sample Inward No., Analysis Start, Inward Date, Reference, Analysis End, Inv. No., Sample Description, Sample Details, Purpose of analysis, Quantity Received, Sampling By, Sampling Date, Sampling Time, Sampling Location, Tests Required.

TEST RESULTS

Main test results table with columns: S.N., Test Parameter, Measurement Unit, Test Method, Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications), Test Result.

Please refer last Page for Note and remarks .

Verified By

Authorized Signatory

Signature of Snehal Raut

Snehal Raut Technical Manager

Signature of Dhanashree Hiwanj

Dhanashree Hiwanj Sr. Technical Assistant

Signature of Chinmay Garway

Chinmay Garway Deputy Quality Manager

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Test Report

ULR No.-TC129982500003252F

Test Report No.: ALPL/12062025/14-2

Dated 12.06.2025

Page 2 of 2

<b>Issued To :</b> <b>M/s Western Coalfields Limited (WCL)</b> Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	<b>Sample Inward No.</b> ALPL/26052025/W-1/20-2 <b>Inward Date</b> 26.05.2025 <b>Reference</b> WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 <b>Inv. No.</b> 6	<b>Analysis Start</b> 26.05.2025 <b>Analysis End</b> 02.06.2025
	<b>Sample Description</b> Ground Water	<b>Sample Details As Provided By Client</b> Ground Water (Umrer Area)
<b>Sampling By</b> Anacon Representative - Mr.Kailash Chahande Sampling Method- ANtd/7.2/MON-01	<b>Sampling Date</b> 19.05.2025 <b>Sampling Time</b> Not Mentioned	<b>Quantity Received</b> 1 Ltr
<b>Tests Required</b> Cadmium (as Cd),Iron (as Fe), Lead (as Pb), Manganese (as Mn), Nickel (as Ni), Selenium (as Se), Total Chromium (as Cr), Zinc (as Zn)		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	<b>Discipline – Chemical</b>					
	<b>Group- Residues In Water</b>					
20	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LOQ-0.002)
21	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.06
22	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
23	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LOQ-0.02)
24	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LOQ-0.01)
25	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
26	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LOQ-0.02)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LOQ-0.02)

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REMARKS : As requested by the client, the sample was tested for the above parameters only. Sample bearing the details mentioned as above is not complying with IS 10500(2012) requirements for the tests Sr. No. 12 & 14.

Verified By

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager

-----END OF REPORT-----

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**SURFACE WATER MONITORING REPORT**

**UMRER AREA**

**WESTERN COALFIELDS LTD.**


JOB NO.4634420034



**QE-JUNE 2025**

**Environment Laboratory**  
**NABL Accredited vide Cert. No. TC-7102**  
CMPDI  
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,  
JARIPATKA, NAGPUR, PIN – 440 014

AN ISO 9001:2015 COMPANY


<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report Surface water quality monitoring data</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/JUNE-25/SW29	DATE OF ISSUE	25-07-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	WATER SAMPLE
NAME OF AREA	UMRER	SAMPLING METHOD: LSOP 5	
NAME OF PROJECT	UMRER OC	SAMPLING PLAN: LQR 47	
NO. OF PAGES	1		

NAME OF LOCATION:		UP STREAM OF AMB RIVER WRT MINE DISCHARGE		SAMPLING DATE:		18-04-2025	
SL. NO.	PARAMETER	TEST METHOD	DETECTION LIMIT	ANALYSIS RESULT			
1	pH Value	IS 3025 Part-11 Electrometric Method: 2017	2	7.43			
2	Colour (Hazen)	IS 3025 Part-4 Pt-Co Method: 2017	1	3			
3	TDS -mg/l	IS 3025 Part-16 Gravimetric Method: 2017	25	410			
4	Oil & Grease - mg/l	IS 3025 (Part 39): 1991 (RA 2003) Partition gravimetric Method	2	BDL			
5	Dissolved Oxygen - mg/l	IS 3025 (Part-38):1989 (RA 2003) Winkler Azide Method	0.1	4.9			
6	B.O.D. (3 days at 27°C) - mg/l	IS 3025 Part 44 : 1993 (RA 2014)	2	7.4			
7	Arsenic (As)-mg/l	APHA, 23rd Edition 3114 C AAS-VGA Method:2017	0.005	BDL			
8	Lead as (Pb) -mg/l	APHA, 23rd Edition 3113 B AAS GTA Method:2017	0.005	BDL			
9	Hexavalent Chromium -mg/l	APHA, 23rd Edition 3500-Cr B Colorimetric Method: 2017	0.01	BDL			
10	Copper (as Cu) -mg/l	IS 3025 Part-42 AAS Flame Method :2014	0.03	BDL			
11	Zinc as (Zn) -mg/l	IS 3025 Part-49 AAS Flame Method:2014	0.01	BDL			
12	Selenium (Se) -mg/l	APHA, 23rd Edition 3114 C AAS-VGA Method:2017	0.005	BDL			
13	Cadmium as (Cd)- mg/l	APHA, 23rd Edition 3113 B AAS GTA Method:2017	0.0005	BDL			
14	Fluoride (as F <sup>-</sup> ) - mg/l	APHA, 23rd Edition 4500-F D SPADNS Method: 2017	0.02	0.854			
15	Iron (as Fe) -mg/l	IS 3025 Part-53 AAS Flame Method:2014	0.06	BDL			
16	Nitrate Nitrogen - mg/l	APHA, 23rd Edition 4500-NO <sup>3</sup> B UV Spectrophotometric Method: 2017	0.5	0.66			
17	Sulphate (as SO <sub>4</sub> <sup>-2</sup> ) -mg/l	APHA (23rd Edition) 4500E Turbidimetric Method:2017	2	91.59			
18	Chlorides (as Cl <sup>-</sup> ) - mg/l	IS 3025 Part-32 1988 Argentometric Method:2014	2	42			

**BDL: BELOW DETECTION LIMIT**

  
SCIENTIFIC ASSISTANT

  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report Surface water quality monitoring data</b>	
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TEST REPORT NO.	RIN/TR/JUNE-25/SW30	DATE OF ISSUE	25-07-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	WATER SAMPLE
NAME OF AREA	UMRER	SAMPLING METHOD: LSOP 5	
NAME OF PROJECT	UMRER OC	SAMPLING PLAN: LQR 47	
NO. OF PAGES	1		


NAME OF LOCATION:		DOWN STREAM OF AMB RIVER WRT MINE DISCHARGE	SAMPLING DATE:		18-04-2025
SL. NO.	PARAMETER	TEST METHOD	DETECTION LIMIT	ANALYSIS RESULT	
1	pH Value	IS 3025 Part-11 Electrometric Method: 2017	2	7.65	
2	Colour (Hazen)	IS 3025 Part-4 Pt-Co Method: 2017	1	2	
3	TDS -mg/l	IS 3025 Part-16 Gravimetric Method: 2017	25	530	
4	Oil & Grease - mg/l	IS 3025 (Part 39): 1991 (RA 2003) Partition gravimetric Method	2	BDL	
5	Dissolved Oxygen - mg/l	IS 3025 (Part-38):1989 (RA 2003) Winkler Azide Method	0.1	4.8	
6	B.O.D. (3 days at 27°C) - mg/l	IS 3025 Part 44 : 1993 (RA 2014)	2	8.0	
7	Arsenic (As)-mg/l	APHA, 23rd Edition 3114 C AAS-VGA Method:2017	0.005	BDL	
8	Lead as (Pb) -mg/l	APHA, 23rd Edition 3113 B AAS GTA Method:2017	0.005	BDL	
9	Hexavalent Chromium -mg/l	APHA, 23rd Edition 3500-Cr B Colorimetric Method: 2017	0.01	BDL	
10	Copper (as Cu) -mg/l	IS 3025 Part-42 AAS Flame Method :2014	0.03	BDL	
11	Zinc as (Zn) -mg/l	IS 3025 Part-49 AAS Flame Method:2014	0.01	BDL	
12	Selenium (Se) -mg/l	APHA, 23rd Edition 3114 C AAS-VGA Method:2017	0.005	BDL	
13	Cadmium as (Cd)- mg/l	APHA, 23rd Edition 3113 B AAS GTA Method:2017	0.0005	BDL	
14	Fluoride (as F <sup>-</sup> ) - mg/l	APHA, 23rd Edition 4500-F D SPADNS Method: 2017	0.02	0.833	
15	Iron (as Fe) -mg/l	IS 3025 Part-53 AAS Flame Method:2014	0.06	BDL	
16	Nitrate Nitrogen - mg/l	APHA, 23rd Edition 4500-NO <sup>3</sup> B UV Spectrophotometric Method: 2017	0.5	0.78	
17	Sulphate (as SO <sub>4</sub> <sup>-2</sup> ) -mg/l	APHA (23rd Edition) 4500E Turbidimetric Method:2017	2	157.19	
18	Chlorides (as Cl <sup>-</sup> ) - mg/l	IS 3025 Part-32 1988 Argentometric Method:2014	2	48	

BDL: BELOW DETECTION LIMIT

  
SCIENTIFIC ASSISTANT

  
Amol Kamble  
AUTHORIZED SIGNATORY

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TEST REPORT NO.	RIN/TR/JUNE-25/SW31	DATE OF ISSUE	25-07-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	WATER SAMPLE
NAME OF AREA	UMRER	SAMPLING METHOD: LSOP 5	
NAME OF PROJECT	MORPAR UG	SAMPLING PLAN: LQR 47	
NO. OF PAGES	1		

NAME OF LOCATION:		UP STREAM OF NALA JOINING UMA RIVER		SAMPLING DATE:		21-04-2025	
SL. NO.	PARAMETER	TEST METHOD	DETECTION LIMIT	ANALYSIS RESULT			
1	pH Value	IS 3025 Part-11 Electrometric Method: 2017	2	7.49			
2	Colour (Hazen)	IS 3025 Part-4 Pt-Co Method: 2017	1	1			
3	TDS -mg/l	IS 3025 Part-16 Gravimetric Method: 2017	25	450			
4	Oil & Grease - mg/l	IS 3025 (Part 39): 1991 (RA 2003) Partition gravimetric Method	2	BDL			
5	Dissolved Oxygen - mg/l	IS 3025 (Part-38):1989 (RA 2003) Winkler Azide Method	0.1	4.4			
6	B.O.D. (3 days at 27°C) - mg/l	IS 3025 Part 44 : 1993 (RA 2014)	2	8.4			
7	Arsenic (As)-mg/l	APHA, 23rd Edition 3114 C AAS-VGA Method:2017	0.005	BDL			
8	Lead as (Pb) -mg/l	APHA, 23rd Edition 3113 B AAS GTA Method:2017	0.005	BDL			
9	Hexavalent Chromium -mg/l	APHA, 23rd Edition 3500-Cr B Colorimetric Method: 2017	0.01	BDL			
10	Copper (as Cu) -mg/l	IS 3025 Part-42 AAS Flame Method :2014	0.03	BDL			
11	Zinc as (Zn) -mg/l	IS 3025 Part-49 AAS Flame Method:2014	0.01	BDL			
12	Selenium (Se) -mg/l	APHA, 23rd Edition 3114 C AAS-VGA Method:2017	0.005	BDL			
13	Cadmium as (Cd)- mg/l	APHA, 23rd Edition 3113 B AAS GTA Method:2017	0.0005	BDL			
14	Fluoride (as F <sup>-</sup> ) - mg/l	APHA, 23rd Edition 4500-F D SPADNS Method: 2017	0.02	0.850			
15	Iron (as Fe) -mg/l	IS 3025 Part-53 AAS Flame Method:2014	0.06	BDL			
16	Nitrate Nitrogen - mg/l	APHA, 23rd Edition 4500-NO <sup>3</sup> B UV Spectrophotometric Method: 2017	0.5	0.62			
17	Sulphate (as SO <sub>4</sub> <sup>-2</sup> ) -mg/l	APHA (23rd Edition) 4500E Turbidimetric Method:2017	2	68.79			
18	Chlorides (as Cl <sup>-</sup> ) - mg/l	IS 3025 Part-32 1988 Argentometric Method:2014	2	62			

BDL: BELOW DETECTION LIMIT

*J. Choug*  
SCIENTIFIC ASSISTANT

*Amol Kamble*  
Amol Kamble  
AUTHORIZED SIGNATORY

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TEST REPORT NO.	RIN/TR/JUNE-25/SW32	DATE OF ISSUE	25-07-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	WATER SAMPLE
NAME OF AREA	UMRER	SAMPLING METHOD: LSOP 5	
NAME OF PROJECT	MORPAR UG	SAMPLING PLAN: LQR 47	
NO. OF PAGES	1		


NAME OF LOCATION: DOWN STREAM OF NALA JOINING UMA RIVER				SAMPLING DATE: 21-04-2025	
SL. NO.	PARAMETER	TEST METHOD	DETECTION LIMIT	ANALYSIS RESULT	
1	pH Value	IS 3025 Part-11 Electrometric Method: 2017	2	7.51	
2	Colour (Hazen)	IS 3025 Part-4 Pt-Co Method: 2017	1	2	
3	TDS -mg/l	IS 3025 Part-16 Gravimetric Method: 2017	25	470	
4	Oil & Grease - mg/l	IS 3025 (Part 39): 1991 (RA 2003) Partition gravimetric Method	2	BDL	
5	Dissolved Oxygen - mg/l	IS 3025 (Part-38):1989 (RA 2003) Winkler Azide Method	0.1	4.1	
6	B.O.D. (3 days at 27°C) - mg/l	IS 3025 Part 44 : 1993 (RA 2014)	2	8.9	
7	Arsenic (As)-mg/l	APHA, 23rd Edition 3114 C AAS-VGA Method:2017	0.005	BDL	
8	Lead as (Pb) -mg/l	APHA, 23rd Edition 3113 B AAS GTA Method:2017	0.005	BDL	
9	Hexavalent Chromium -mg/l	APHA, 23rd Edition 3500-Cr B Colorimetric Method: 2017	0.01	BDL	
10	Copper (as Cu) -mg/l	IS 3025 Part-42 AAS Flame Method :2014	0.03	BDL	
11	Zinc as (Zn) -mg/l	IS 3025 Part-49 AAS Flame Method:2014	0.01	BDL	
12	Selenium (Se) -mg/l	APHA, 23rd Edition 3114 C AAS-VGA Method:2017	0.005	BDL	
13	Cadmium as (Cd)- mg/l	APHA, 23rd Edition 3113 B AAS GTA Method:2017	0.0005	BDL	
14	Fluoride (as F <sup>-</sup> ) - mg/l	APHA, 23rd Edition 4500-F D SPADNS Method: 2017	0.02	0.915	
15	Iron (as Fe) -mg/l	IS 3025 Part-53 AAS Flame Method:2014	0.06	BDL	
16	Nitrate Nitrogen - mg/l	APHA, 23rd Edition 4500-NO <sup>3</sup> B UV Spectrophotometric Method: 2017	0.5	0.74	
17	Sulphate (as SO <sub>4</sub> <sup>-2</sup> ) -mg/l	APHA (23rd Edition) 4500E Turbidimetric Method:2017	2	67.81	
18	Chlorides (as Cl <sup>-</sup> ) - mg/l	IS 3025 Part-32 1988 Argentometric Method:2014	2	64	

BDL: BELOW DETECTION LIMIT

*J. Singh*  
SCIENTIFIC ASSISTANT

*Amol Kamble*  
Amol Kamble  
AUTHORIZED SIGNATORY


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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report Surface water quality monitoring data</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/JUNE-25/SW33	DATE OF ISSUE	25-07-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	WATER SAMPLE
NAME OF AREA	UMRER	SAMPLING METHOD: LSOP 5	
NAME OF PROJECT	GOKUL OC	SAMPLING PLAN: LQR 47	
NO. OF PAGES	1		

NAME OF LOCATION: UP STREAM OF NALA JOINING WEINGANGA RIVER				SAMPLING DATE:	20-04-2025
SL. NO.	PARAMETER	TEST METHOD	DETECTION LIMIT	ANALYSIS RESULT	
1	pH Value	IS 3025 Part-11 Electrometric Method: 2017	2	7.50	
2	Colour (Hazen)	IS 3025 Part-4 Pt-Co Method: 2017	1	2	
3	TDS -mg/l	IS 3025 Part-16 Gravimetric Method: 2017	25	390	
4	Oil & Grease - mg/l	IS 3025 (Part 39): 1991 (RA 2003) Partition gravimetric Method	2	BDL	
5	Dissolved Oxygen - mg/l	IS 3025 (Part-38):1989 (RA 2003) Winkler Azide Method	0.1	4.8	
6	B.O.D. (3 days at 27°C) - mg/l	IS 3025 Part 44 : 1993 (RA 2014)	2	7.7	
7	Arsenic (As)-mg/l	APHA, 23rd Edition 3114 C AAS-VGA Method:2017	0.005	BDL	
8	Lead as (Pb) -mg/l	APHA, 23rd Edition 3113 B AAS GTA Method:2017	0.005	BDL	
9	Hexavalent Chromium -mg/l	APHA, 23rd Edition 3500-Cr B Colorimetric Method: 2017	0.01	BDL	
10	Copper (as Cu) -mg/l	IS 3025 Part-42 AAS Flame Method :2014	0.03	BDL	
11	Zinc as (Zn) -mg/l	IS 3025 Part-49 AAS Flame Method:2014	0.01	BDL	
12	Selenium (Se) -mg/l	APHA, 23rd Edition 3114 C AAS-VGA Method:2017	0.005	BDL	
13	Cadmium as (Cd)- mg/l	APHA, 23rd Edition 3113 B AAS GTA Method:2017	0.0005	BDL	
14	Fluoride (as F <sup>-</sup> ) - mg/l	APHA, 23rd Edition 4500-F D SPADNS Method: 2017	0.02	0.849	
15	Iron (as Fe) -mg/l	IS 3025 Part-53 AAS Flame Method:2014	0.06	BDL	
16	Nitrate Nitrogen - mg/l	APHA, 23rd Edition 4500-NO <sup>3</sup> B UV Spectrophotometric Method: 2017	0.5	0.58	
17	Sulphate (as SO <sub>4</sub> <sup>-2</sup> ) -mg/l	APHA (23rd Edition) 4500E Turbidimetric Method:2017	2	94.13	
18	Chlorides (as Cl <sup>-</sup> ) - mg/l	IS 3025 Part-32 1988 Argentometric Method:2014	2	40	

BDL: BELOW DETECTION LIMIT

  
SCIENTIFIC ASSISTANT

  
Amol Kamble  
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TEST REPORT NO.	RIN/TR/JUNE-25/SW34	DATE OF ISSUE	25-07-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	WATER SAMPLE
NAME OF AREA	UMRER	SAMPLING METHOD: LSOP 5	
NAME OF PROJECT	GOKUL OC	SAMPLING PLAN: LQR 47	
NO. OF PAGES	1		

NAME OF LOCATION: DOWN STREAM OF NALA JOINING WEINGANGA RIVER				SAMPLING DATE: 20-04-2025	
SL. NO.	PARAMETER	TEST METHOD	DETECTION LIMIT	ANALYSIS RESULT	
1	pH Value	IS 3025 Part-11 Electrometric Method: 2017	2	7.44	
2	Colour (Hazen)	IS 3025 Part-4 Pt-Co Method: 2017	1	3	
3	TDS -mg/l	IS 3025 Part-16 Gravimetric Method: 2017	25	420	
4	Oil & Grease - mg/l	IS 3025 (Part 39): 1991 (RA 2003) Partition gravimetric Method	2	BDL	
5	Dissolved Oxygen - mg/l	IS 3025 (Part-38):1989 (RA 2003) Winkler Azide Method	0.1	4.6	
6	B.O.D. (3 days at 27°C) - mg/l	IS 3025 Part 44 : 1993 (RA 2014)	2	8.6	
7	Arsenic (As)-mg/l	APHA, 23rd Edition 3114 C AAS-VGA Method:2017	0.005	BDL	
8	Lead as (Pb) -mg/l	APHA, 23rd Edition 3113 B AAS GTA Method:2017	0.005	BDL	
9	Hexavalent Chromium -mg/l	APHA, 23rd Edition 3500-Cr B Colorimetric Method: 2017	0.01	BDL	
10	Copper (as Cu) -mg/l	IS 3025 Part-42 AAS Flame Method :2014	0.03	BDL	
11	Zinc as (Zn) -mg/l	IS 3025 Part-49 AAS Flame Method:2014	0.01	BDL	
12	Selenium (Se) -mg/l	APHA, 23rd Edition 3114 C AAS-VGA Method:2017	0.005	BDL	
13	Cadmium as (Cd)- mg/l	APHA, 23rd Edition 3113 B AAS GTA Method:2017	0.0005	BDL	
14	Fluoride (as F <sup>-</sup> ) - mg/l	APHA, 23rd Edition 4500-F D SPADNS Method: 2017	0.02	0.761	
15	Iron (as Fe) -mg/l	IS 3025 Part-53 AAS Flame Method:2014	0.06	BDL	
16	Nitrate Nitrogen - mg/l	APHA, 23rd Edition 4500-NO <sup>3</sup> B UV Spectrophotometric Method: 2017	0.5	0.64	
17	Sulphate (as SO <sub>4</sub> <sup>-2</sup> ) -mg/l	APHA (23rd Edition) 4500E Turbidimetric Method:2017	2	88.06	
18	Chlorides (as Cl <sup>-</sup> ) - mg/l	IS 3025 Part-32 1988 Argentometric Method:2014	2	44	

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TEST REPORT NO.	RIN/TR/JUNE-25/SW33a	DATE OF ISSUE	25-07-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	WATER SAMPLE
NAME OF AREA	UMRER	SAMPLING METHOD: LSOP 5	
NAME OF PROJECT	MAKARDHOKRA I OC	SAMPLING PLAN: LQR 47	
NO. OF PAGES	1		


NAME OF LOCATION: UP STREAM OF AMB RIVER w.r.t. MINE DISCHARGE				SAMPLING DATE: 19-04-2025
SL. NO.	PARAMETER	TEST METHOD	DETECTION LIMIT	ANALYSIS RESULT
1	pH Value	IS 3025 Part-11 Electrometric Method: 2017	2	7.67
2	Colour (Hazen)	IS 3025 Part-4 Pt-Co Method: 2017	1	1
3	TDS -mg/l	IS 3025 Part-16 Gravimetric Method: 2017	25	630
4	Oil & Greese - mg/l	IS 3025 (Part 39): 1991 (RA 2003) Partition gravimetric Method	2	BDL
5	Dissolved Oxygen - mg/l	IS 3025 (Part-38):1989 (RA 2003) Winkler Azide Method	0.1	4.5
6	B.O.D. (3 days at 27°C) - mg/l	IS 3025 Part 44 : 1993 (RA 2014)	2	8.2
7	Arsenic (As)-mg/l	APHA, 23rd Edition 3114 C AAS-VGA Method:2017	0.005	BDL
8	Lead as (Pb) -mg/l	APHA, 23rd Edition 3113 B AAS GTA Method:2017	0.005	BDL
9	Hexavalent Chromium -mg/l	APHA, 23rd Edition 3500-Cr B Colorimetric Method: 2017	0.01	BDL
10	Copper (as Cu) -mg/l	IS 3025 Part-42 AAS Flame Method :2014	0.03	BDL
11	Zinc as (Zn) -mg/l	IS 3025 Part-49 AAS Flame Method:2014	0.01	BDL
12	Selenium (Se) -mg/l	APHA, 23rd Edition 3114 C AAS-VGA Method:2017	0.005	BDL
13	Cadmium as (Cd)- mg/l	APHA, 23rd Edition 3113 B AAS GTA Method:2017	0.0005	BDL
14	Fluoride (as F <sup>-</sup> ) - mg/l	APHA, 23rd Edition 4500-F D SPADNS Method: 2017	0.02	0.858
15	Iron (as Fe) -mg/l	IS 3025 Part-53 AAS Flame Method:2014	0.06	BDL
16	Nitrate Nitrogen - mg/l	APHA, 23rd Edition 4500-NO <sup>3</sup> B UV Spectrophotometric Method: 2017	0.5	0.54
17	Sulphate (as SO <sub>4</sub> <sup>-2</sup> ) -mg/l	APHA (23rd Edition) 4500E Turbidimetric Method:2017	2	163.42
18	Chlorides (as Cl <sup>-</sup> ) - mg/l	IS 3025 Part-32 1988 Argentometric Method:2014	2	36.4

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TEST REPORT NO.	RIN/TR/JUNE-25/SW34a	DATE OF ISSUE	25-07-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	WATER SAMPLE
NAME OF AREA	UMRER	SAMPLING METHOD: LSOP 5	
NAME OF PROJECT	MAKARDHOKRA I OC	SAMPLING PLAN: LQR 47	
NO. OF PAGES	1		

NAME OF LOCATION: DOWN STREAM OF AMB RIVER w.r.t. MINE DISCHARGE				SAMPLING DATE: 19-04-2025
SL. NO.	PARAMETER	TEST METHOD	DETECTION LIMIT	ANALYSIS RESULT
1	pH Value	IS 3025 Part-11 Electrometric Method: 2017	2	7.64
2	Colour (Hazen)	IS 3025 Part-4 Pt-Co Method: 2017	1	2
3	TDS -mg/l	IS 3025 Part-16 Gravimetric Method: 2017	25	750
4	Oil & Grease - mg/l	IS 3025 (Part 39): 1991 (RA 2003) Partition gravimetric Method	2	BDL
5	Dissolved Oxygen - mg/l	IS 3025 (Part-38):1989 (RA 2003) Winkler Azide Method	0.1	4.3
6	B.O.D. (3 days at 27°C) - mg/l	IS 3025 Part 44 : 1993 (RA 2014)	2	8.7
7	Arsenic (As)-mg/l	APHA, 23rd Edition 3114 C AAS-VGA Method:2017	0.005	BDL
8	Lead as (Pb) -mg/l	APHA, 23rd Edition 3113 B AAS GTA Method:2017	0.005	BDL
9	Hexavalent Chromium -mg/l	APHA, 23rd Edition 3500-Cr B Colorimetric Method: 2017	0.01	BDL
10	Copper (as Cu) -mg/l	IS 3025 Part-42 AAS Flame Method :2014	0.03	BDL
11	Zinc as (Zn) -mg/l	IS 3025 Part-49 AAS Flame Method:2014	0.01	BDL
12	Selenium (Se) -mg/l	APHA, 23rd Edition 3114 C AAS-VGA Method:2017	0.005	BDL
13	Cadmium as (Cd)- mg/l	APHA, 23rd Edition 3113 B AAS GTA Method:2017	0.0005	BDL
14	Fluoride (as F <sup>-</sup> ) - mg/l	APHA, 23rd Edition 4500-F D SPADNS Method: 2017	0.02	0.874
15	Iron (as Fe) -mg/l	IS 3025 Part-53 AAS Flame Method:2014	0.06	BDL
16	Nitrate Nitrogen - mg/l	APHA, 23rd Edition 4500-NO <sup>3</sup> B UV Spectrophotometric Method: 2017	0.5	0.60
17	Sulphate (as SO <sub>4</sub> <sup>-2</sup> ) -mg/l	APHA (23rd Edition) 4500E Turbidimetric Method:2017	2	162.68
18	Chlorides (as Cl <sup>-</sup> ) - mg/l	IS 3025 Part-32 1988 Argentometric Method:2014	2	36

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TEST REPORT NO.	RIN/TR/JUNE-25/SW33a	DATE OF ISSUE	25-07-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	WATER SAMPLE
NAME OF AREA	UMRER	SAMPLING METHOD: LSOP 5	
NAME OF PROJECT	DINESH OC	SAMPLING PLAN: LQR 47	
NO. OF PAGES	1		


NAME OF LOCATION: UP STREAM OF AMB RIVER w.r.t. MINE DISCHARGE				SAMPLING DATE:	19-04-2025
SL. NO.	PARAMETER	TEST METHOD	DETECTION LIMIT	ANALYSIS RESULT	
1	pH Value	IS 3025 Part-11 Electrometric Method: 2017	2	7.60	
2	Colour (Hazen)	IS 3025 Part-4 Pt-Co Method: 2017	1	3	
3	TDS -mg/l	IS 3025 Part-16 Gravimetric Method: 2017	25	510	
4	Oil & Grease - mg/l	IS 3025 (Part 39): 1991 (RA 2003) Partition gravimetric Method	2	BDL	
5	Dissolved Oxygen - mg/l	IS 3025 (Part-38):1989 (RA 2003) Winkler Azide Method	0.1	4.8	
6	B.O.D. (3 days at 27°C) - mg/l	IS 3025 Part 44 : 1993 (RA 2014)	2	8.0	
7	Arsenic (As)-mg/l	APHA, 23rd Edition 3114 C AAS-VGA Method:2017	0.005	BDL	
8	Lead as (Pb) -mg/l	APHA, 23rd Edition 3113 B AAS GTA Method:2017	0.005	BDL	
9	Hexavalent Chromium -mg/l	APHA, 23rd Edition 3500-Cr B Colorimetric Method: 2017	0.01	BDL	
10	Copper (as Cu) -mg/l	IS 3025 Part-42 AAS Flame Method :2014	0.03	BDL	
11	Zinc as (Zn) -mg/l	IS 3025 Part-49 AAS Flame Method:2014	0.01	BDL	
12	Selenium (Se) -mg/l	APHA, 23rd Edition 3114 C AAS-VGA Method:2017	0.005	BDL	
13	Cadmium as (Cd)- mg/l	APHA, 23rd Edition 3113 B AAS GTA Method:2017	0.0005	BDL	
14	Fluoride (as F <sup>-</sup> ) - mg/l	APHA, 23rd Edition 4500-F D SPADNS Method: 2017	0.02	0.885	
15	Iron (as Fe) -mg/l	IS 3025 Part-53 AAS Flame Method:2014	0.06	BDL	
16	Nitrate Nitrogen - mg/l	APHA, 23rd Edition 4500-NO <sup>3</sup> B UV Spectrophotometric Method: 2017	0.5	0.72	
17	Sulphate (as SO <sub>4</sub> <sup>-2</sup> ) -mg/l	APHA (23rd Edition) 4500E Turbidimetric Method:2017	2	95.85	
18	Chlorides (as Cl <sup>-</sup> ) - mg/l	IS 3025 Part-32 1988 Argentometric Method:2014	2	32	

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TEST REPORT NO.	RIN/TR/JUNE-25/SW34a	DATE OF ISSUE	25-07-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	WATER SAMPLE
NAME OF AREA	UMRER	SAMPLING METHOD: LSOP 5	
NAME OF PROJECT	DINESH OC	SAMPLING PLAN: LQR 47	
NO. OF PAGES	1		

NAME OF LOCATION: DOWN STREAM OF AMB RIVER w.r.t. MINE DISCHARGE				SAMPLING DATE:	19-04-2025
SL. NO.	PARAMETER	TEST METHOD	DETECTION LIMIT	ANALYSIS RESULT	
1	pH Value	IS 3025 Part-11 Electrometric Method: 2017	2	7.55	
2	Colour (Hazen)	IS 3025 Part-4 Pt-Co Method: 2017	1	2	
3	TDS -mg/l	IS 3025 Part-16 Gravimetric Method: 2017	25	525	
4	Oil & Grease - mg/l	IS 3025 (Part 39): 1991 (RA 2003) Partition gravimetric Method	2	BDL	
5	Dissolved Oxygen - mg/l	IS 3025 (Part-38):1989 (RA 2003) Winkler Azide Method	0.1	4.6	
6	B.O.D. (3 days at 27°C) - mg/l	IS 3025 Part 44 : 1993 (RA 2014)	2	8.8	
7	Arsenic (As)-mg/l	APHA, 23rd Edition 3114 C AAS-VGA Method:2017	0.005	BDL	
8	Lead as (Pb) -mg/l	APHA, 23rd Edition 3113 B AAS GTA Method:2017	0.005	BDL	
9	Hexavalent Chromium -mg/l	APHA, 23rd Edition 3500-Cr B Colorimetric Method: 2017	0.01	BDL	
10	Copper (as Cu) -mg/l	IS 3025 Part-42 AAS Flame Method :2014	0.03	BDL	
11	Zinc as (Zn) -mg/l	IS 3025 Part-49 AAS Flame Method:2014	0.01	BDL	
12	Selenium (Se) -mg/l	APHA, 23rd Edition 3114 C AAS-VGA Method:2017	0.005	BDL	
13	Cadmium as (Cd) - mg/l	APHA, 23rd Edition 3113 B AAS GTA Method:2017	0.0005	BDL	
14	Fluoride (as F <sup>-</sup> ) - mg/l	APHA, 23rd Edition 4500-F D SPADNS Method: 2017	0.02	0.848	
15	Iron (as Fe) -mg/l	IS 3025 Part-53 AAS Flame Method:2014	0.06	BDL	
16	Nitrate Nitrogen - mg/l	APHA, 23rd Edition 4500-NO <sup>3</sup> B UV Spectrophotometric Method: 2017	0.5	0.80	
17	Sulphate (as SO <sub>4</sub> <sup>-2</sup> ) -mg/l	APHA (23rd Edition) 4500E Turbidimetric Method:2017	2	95.94	
18	Chlorides (as Cl <sup>-</sup> ) - mg/l	IS 3025 Part-32 1988 Argentometric Method:2014	2	88	

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Riverine / Riparian Ecosystem Conservation and Management Plan

In Compliance of condition No.4.C(xi) of EC granted by MoEF & CC vide  
No. J-11015/54/2006-IA-II (M) dated 20.05.2021.  
Production Capacity 3.50 MTPA in an area of 614.69 ha

**Expansion of Makardhokra - I OC Mine (Phase-I)**

Tehsil- Umrer, District- Nagpur  
Maharashtra (Umrer Area, WCL)



**OCTOBER- 2021**

PREPARED BY

**Western Coalfields Limited,  
Nagpur, Maharashtra.**

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- The general strike of the coal seam is NW-SE in majority of this block, as observed from the floor contour plans. It takes a NNW-SSE turn in the Southern part. The gradient of the coal seams in major part of the block ranges from 1 in 8 (7.10) to 1 in 11 (5.20). However, in the northern part around boreholes MR-14 & MR-13, the gradient ranges from 1 in 12 to 1 in 14 (4.70 to 4.00). The coal seams, in general, are dipping south-westerly. ....9
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# Chapter 1

## INTRODUCTION

### 1.1 Identification of Project

Expansion of Makardhokra – I OC Mine (Phase- I) is an operating Coal mine of Western Coalfields Limited (WCL) Umrer Area, located in Umrer Tehsil, Nagpur District, Maharashtra State with a production capacity of 3.50 Million Tonne Per Annum (MTPA) in total area of 614.69 Ha. Project Proponent WESTERN COALFIELDS LIMITED is a subsidiary company of COAL INDIA LIMITED (CIL), which is under administrative control of MINISTRY OF COAL, GOVERNMENT OF INDIA.



### 1.2 Introduction

The Expansion of Makardhokra - I OC (Phase – I) has obtained Environmental Clearance for production capacity of 3.50 MTPA in an area of 614.69 ha vide MoEF & CC letter no. J-11015/54/2006-IA-II (M) dated 20.05.2021.

## Chapter 4

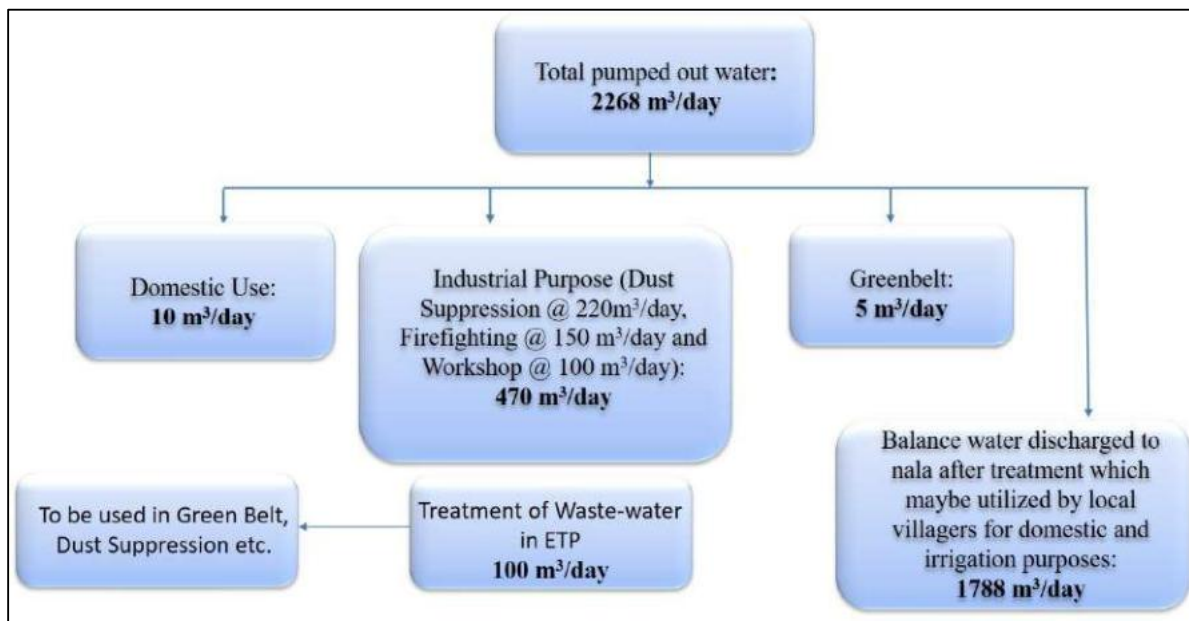
### DISCUSSION

#### 4.0 Mine Discharge

As deliberated in the above paragraphs, strata seepage water first is gets accumulated in the mine sump which will act as first stage / primary settling tank/ Sedimentation pond. The settled water is then be pumped out and fed into a surface sedimentation tank for secondary treatment. The treated water from the surface sedimentation tank is being utilized for internal usage like domestic use, dust suppression measures, washing of HEMM & fire-fighting purpose. The surplus water after internal usage is released onto natural water sources.

The quantity of mine discharge water (after treatment) is 1788 m<sup>3</sup>/day.

#### Flowchart for present utilization of pumped out mine water (Non Monsoon)



The quality of mine discharge water (after treatment) also confirming the prescribed standards.

NOC from CGWA for Expn. Makardhokra – I OC has been obtained vide no. **CGWA/NOC/MIN/ORIG/2020/8139** dated 09-06-2020 with validity upto **08-02-2022** for maximum dewatering quantity of **2268 m<sup>3</sup>/day**. Copy of the NOC letter is also placed in the previous sections.

### **Suggestion/ Recommendations :**

- Mine water may be discharged in the Diverted Amb Nala (Old Channel) only after proper treatment.
- The water being discharged into the Diverted Amb Nala (Old Channel) should confirm the prescribed water quality standard.
- Any increase or decrease in the quantity of mine water discharge resulting from dewatering may be reported to Central Ground Water Authority and necessary permission from CGWA may be obtained.

### **4.1 Plantation / Green Belt Development**

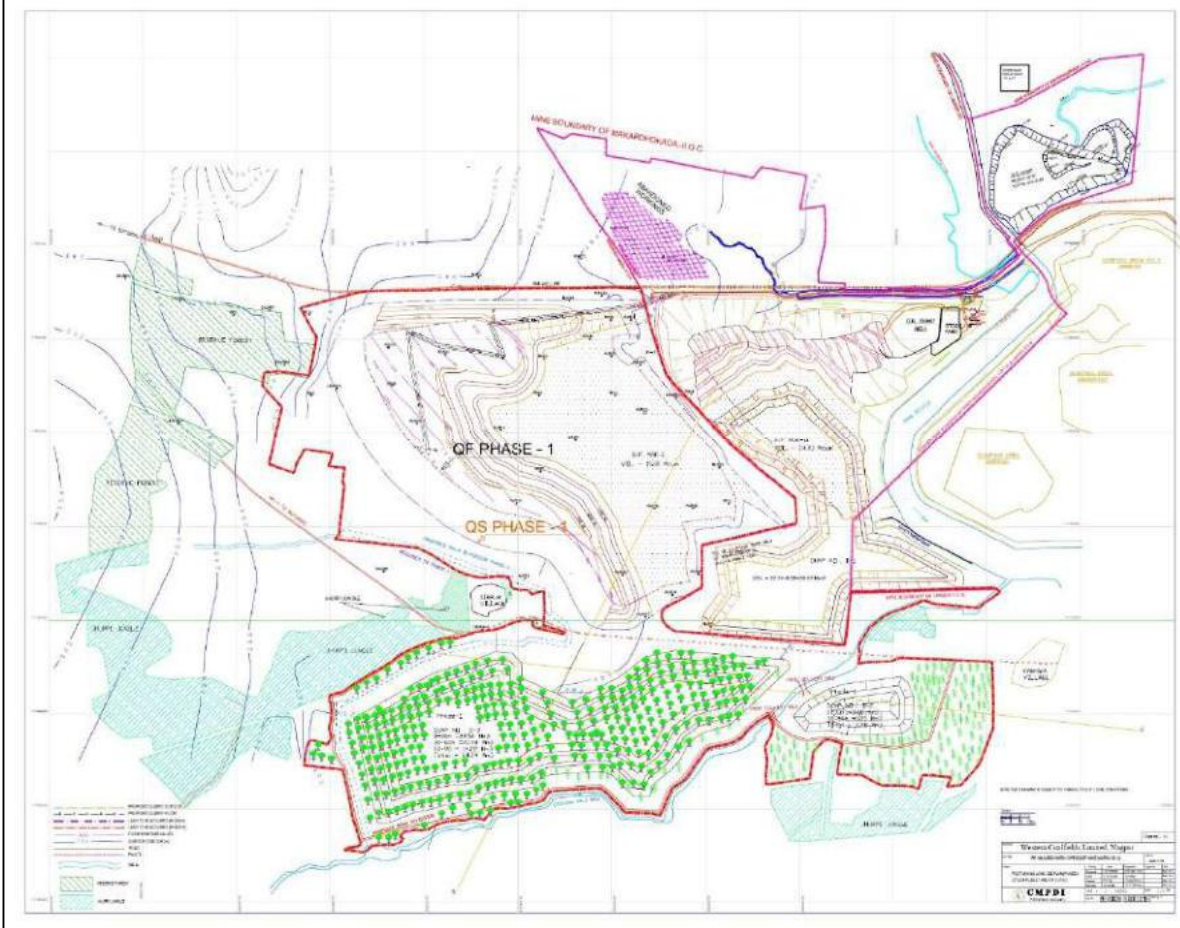
In the EIA-EMP, it is proposed that, 162.26 ha of 614.69 ha will be afforested. The stage wise reclamation and afforestation is placed in the below table:

<b>Sl.No</b>	<b>Land use category</b>	<b>Present (1st year)</b>	<b>5th year</b>	<b>Post Mining</b>
1	Backfilled Area	0.00	96.90	96.90
	(Reclaimed with plantation)	0.00	0.00	0.00
2	Quarry Area (Not reclaimed)/void (Reclaimed with plantation)	85.04	156.06	156.06
3	External OB dump	18.75	137.81	137.81
	(Reclaimed with plantation)	12.00	120.00	120.00
4	Infrastructure	13.00	13.00	13.00
	(Reclaimed with plantation)	0.00	2.00	2.00
5	Roads	2.00	2.00	2.00
		0.50	0.50	0.50
6	Topsoil Dump	20.00	0.00	0.00
	(Reclaimed with plantation)	0.00	0.00	0.00
7	Safety Zone	15.26	56.24	56.24
8	Green Belt	0.00	8.00	8.00
9	Undisturbed area	460.64	144.68	144.68
		0.00	31.76	31.76
	<b>Total</b>	<b>614.69</b>	<b>614.69</b>	<b>614.69</b>
	<b>Total Plantation</b>	<b>12.50</b>	<b>162.26</b>	<b>162.26</b>

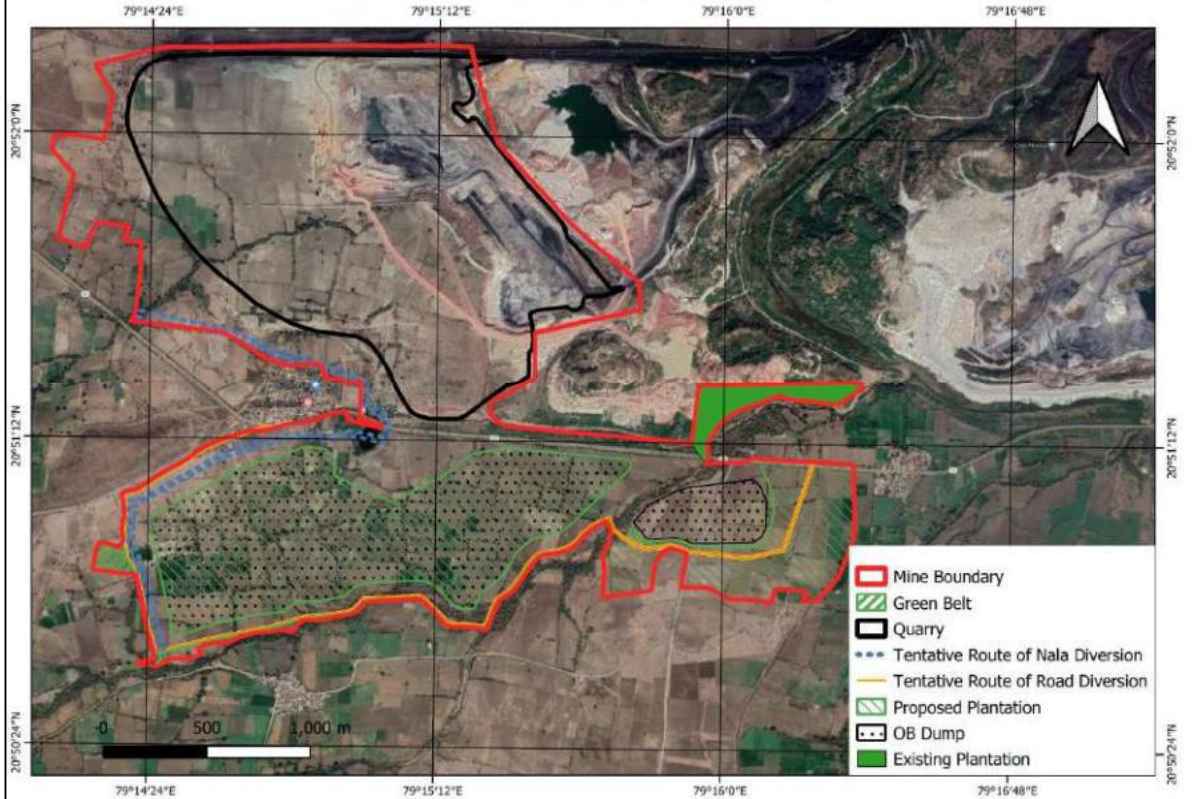
### **Suggestion / Recommendations:**

- Plantation / grass seeding may be carried out on backfilled and OB dumps and slopes.
- Green belt may be developed all along the periphery of the mine boundary as proposed.

# POST MINING PHASE-I



# PLAN SHOWING EXISTING & PROPOSED GREEN BELT



## Chapter 5

### CONCLUSION

The strata seepage water is being abstracted from the mine sump for safe operation of the mine. This pumped out mine water meets the entire internal usage (Dust suppression purpose, washing of HEMM, firefighting needs, etc.). The balance quantity is let off the natural water courses after treatment. The CGWA NOC has also been secured accordingly for maximum dewatering quantity of 2268 m<sup>3</sup>/day.

The mine discharge from Makardhokra – I OC into Local Nallah / Diverted Old Amb River is very less as compared to total discharge. As such, this quantity of water will contribute as small aid to Amb River volume and is not likely to affect the quality of water in Amb river adversely. As such, there is no danger to the aquatic flora and fauna in the riverine eco system.

Plantation / grass seeding on the OB dumps and its slopes will reduce the soil erosion in the stretch.

The study reveals that, the riverine ecosystem in the study area (core zone & 10 km buffer zone) is having enough carrying capacity, both in terms of supportive and assimilative capacity, to support the development of the ecosystem of the area.

\*\*\*\*\*

**Land Restoration / Reclamation Monitoring of 26 opencast projects  
of Western Coalfield Limited producing More than 5 million Cu. M.  
(Coal+OB) per annum based on Satellite Data of the Year 2024**

वेस्टर्न कोल्फील्ड्स लिमिटेड के ५ मिलियन घनमीटर (कोल+अधिभार) से अधिक उत्पादन क्षमतावाले २६ खुली खदानों के भूमि पुनरूद्धार हेतु २०२४ के उपग्रह डाटा के आधार पर निगरानी का वार्षिक प्रतिवेदन



*Submitted to*  
**Western Coalfields Limited**



**सीएमपीडीआई**  
मिनी रत्न  
**cmpdi**  
Mini Ratna



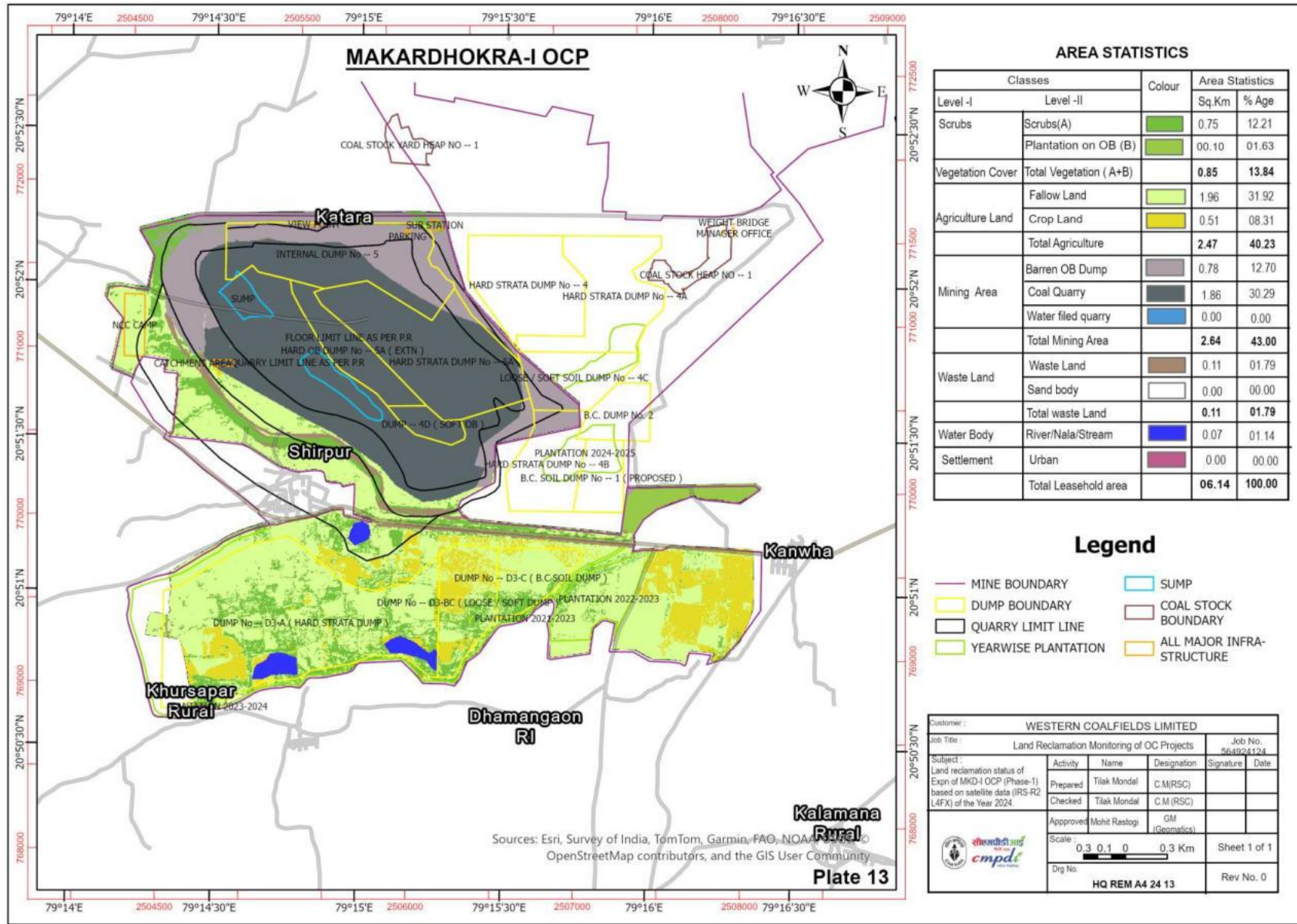
**Land Restoration / Reclamation Monitoring of 26 opencast projects  
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March 2025

**Remote Sensing Cell  
Geomatics Division  
CMPDI-HQ, Ranchi**





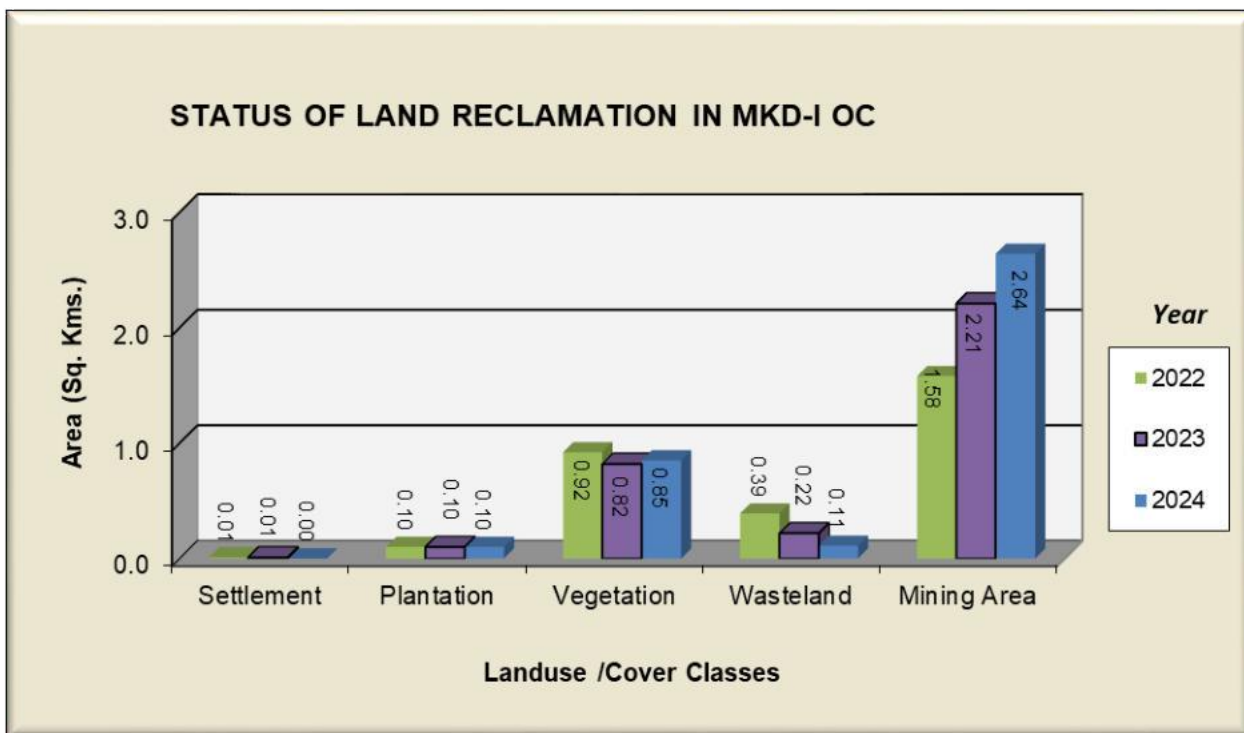


Figure 16

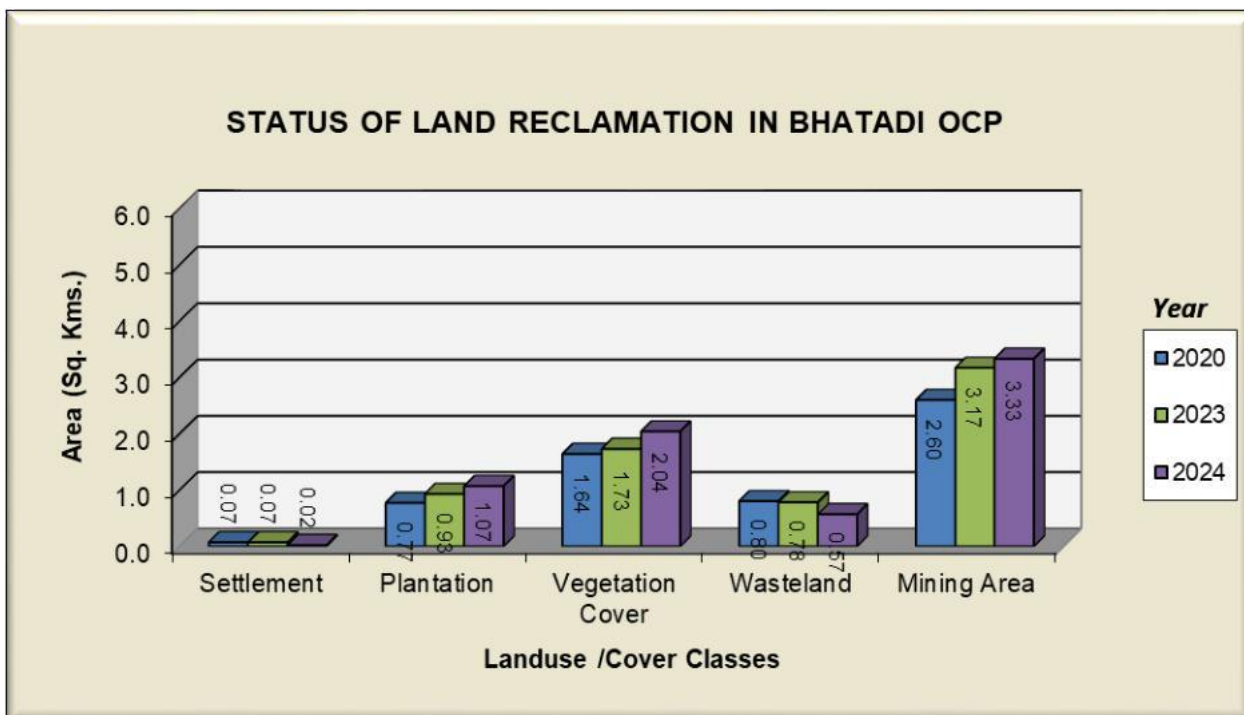




Figure 17





No.	SR.	Date.	Place
			* operation cabin of machines & mechanisms
			* Haul roads for trucks & dumpers
			① Haul road (Barrier)
			② Haul road (Face to ROB dumping)
			③ Haul road (Coal transport)
			④ Haul road (Coal stock)
			* Pumping Stations.
			① Ashed pump.
			② Nce pump.
			* Electrical sub-stations.
			① Sub-stations
			* First Aid stations.
			* Rest shelters.
			① South shelter
			② Junction shelter
			③ Barrier shelter.
			④ Internal dumping shelter
			⑤ Top Embankment shelter.
			⑥ Nec pump shelter.

Minimum standard of illumination Req. in lux.	illumination standard observed in lux.
50H	52H.
(10H)	
10H	11H
10H	12H
10H	12H
10H	13H
(40H)	
40H	42H
40H.	41H
(80H, 50V)	
100H, 50V.	107H, 55V.
50H	54H
(80H)	
(80H)	28H
80H	32H
80H	32H
80H	24H
80H	28H
30H	32H

Sl. No.	Date	Place
		Workshop
		① NCC workshop
		② E&M workshop
		③ Evacuation workshop
		* Parking Yard
		① Parking Yard
		② MCD-1 office Parking
		* weighbridge 1
		weighbridge 2
		weighbridge 3
		weighbridge 4
		weighbridge 5

  
 Mining Director  
 MCD-1 OCM  
  
  
 Electrical Safety Officer  
 MCD-1 OCM

Minimum Standard of Illumination Reg. in lux.	Illumination observed in lux.
(100H, 50V)	105 H, 55V
100H, 50V	106 H, 56V
100H, 50V	104 H, 54V
50H	52H
50H	56H
50H	52H
(100H, 50V)	102H, 51V
100H, 50V	106H, 55V
100H, 50V	110H, 56V
100H, 50V	109H, 58V
100H, 50V	104H, 58V

  
 Colliery Engineer  
 MCD-1 OCM  
  
  
 Colliery Eng. Manager  
 MCD-1 OCM

Illumination Survey For the

Place

Month of May - 2025.

S.R. No.	Date	Place
02.05.2025		
		* Labor place of heavy Machinery.
		① Seam I.
		② Seam III
		③ Seam II (Top)
		④ Seam III No. peeting.
		⑤ Seam II No. peeting
		⑥ Embarkment South Top
		* Drilling
		⑦ Seam IV No. peeting
		* Places where loading, unloading or transfer of loading of dumper, trucks or trains is carried on including OR, dumper, coal stock yards)
		① Internal dumping
		② ROB (Carmeta + Gwatt)
		③ Coal stock yard.
		④ Crusher loading point. (Crusher-1)
		⑤ Crusher unloading point. (Crusher-1)
		⑥ Crusher loading point. (Crusher-2)
		⑦ Crusher unloading point. (Crusher-2)
		⑧ Crusher loading point. (Crusher-3)
		⑨ Crusher unloading point. (Crusher-3)

Minimum standard of Illumination Reg. in lux.	Illumination standard observed in lux.
(15H, 25V)	
15H, 25V.	14H, 23V.
15H, 25V	13H, 22V.
15H, 25V.	12H, 21V.
15H, 25V	13H, 24V.
15H, 25V.	12H, 22V.
15H, 25V.	15H, 24V.
(25V)	
25V.	28VA
(15H, 25V)	
15H, 25V	15H, 24V
15H, 25V	13H, 22V
15H, 25V	16H, 27V.
15H, 25V	15H, 24V
15H, 25V	14H, 22V
15H, 25V	15H, 23V
15H, 25V	16H, 26V
15H, 25V.	15H, 24V.

# Annexure - XVIII

## Compliance of issues raised during public hearing

Various issues raised during Public Hearing are comprised of two heads as follows:

- a) Generic issues which were raised and are being complied with as day to day/ routine activities in mine.
- b) Specific issues related to specific activities to be undertaken in particular village.

The above two heads are deliberated below:

### a) Generic issues

Activities	Status/ Compliance
Routine Environmental Monitoring	<p><b><u>Air</u></b>            At present, five nos. of ambient air quality monitoring stations have been established in the core zone and buffer zone based on the meteorological data, Topographical features and environmentally and ecologically sensitive targets which are as follows:</p> <ul style="list-style-type: none"> <li>• Pit Office</li> <li>• Sirpur Village</li> <li>• Kalmana Village</li> <li>• Khursapur Village</li> <li>• Hewati Village</li> </ul> <p>Heavy metal monitoring for ambient air is carried out once in six months.</p> <p>01 Continuous Ambient Air Quality Monitoring station is set up in core zone and 01 no. of CAAQMS is also installed near the common boundary of Makardhokra- I OC and Dinesh OC in consultation with Pollution Control Board, which is connected to their server. In addition to the above, supply order for 1 no. of additional CAAQMS has placed vide order dated 06-03-2026.</p> <p><b><u>Noise</u></b>            Adequate measures are taken for control of noise levels as per Noise Pollution Rules, 2016 in the Work Environment by following regular maintenance schedule, providing vibration pads at the base and other technical measures. In addition, plantation is also being done to act as sound barrier.</p> <p>Noise monitoring of work zone is being done on monthly basis by noise meters for vulnerable points like inside and outside of HEMM such as PC, Tippers and Dozers.</p>

	<p>Noise level monitoring station is established near pit office, Colony (Common for Umrer OC and MKD-I OC), Shirpur and Hewati village. Day time &amp; night time noise level data are monitored fortnightly as per Env. (protection) Amendment Rule, 2000.</p> <p><b><u>Water</u></b></p> <p>The effluent discharge (Mine Water, Workshop effluent) is regularly monitored in terms of the parameters notified under Coal Mine Standards vide GSR 742 (E) dated 25.9.2000 on fortnightly basis. The parameters as notified under water Act 1974 are monitored once in a year.</p> <p>The sedimentation tank of size 30 m x 8 m x 2.5 m (Capacity: 600m<sup>3</sup>) is provided for treatment of mine discharge, the quality of which is regularly monitored on fortnightly basis by CMPDIL.</p> <p>For workshop effluent treatment, ETP (capacity 100 KLD) is provided.</p> <p>ETP Effluent is analysed fortnightly for the parameters –pH, TSS, Oil &amp;Grease and COD as per the Env. (Protection) Amendment Rules.</p>
<p>Dust Suppression</p>	<p>Adequate control measures have been put in place to control emission of dust. The existing facilities at Makardhokra-I OCP are:</p> <ul style="list-style-type: none"> <li>• 10 nos. trolley mounted mist/ fog generators are provided at CHP, siding, coal stock yard and transport road.</li> <li>• Water spraying on haul roads by 8 No. of mobile tankers</li> <li>• 20 nos. Fixed sprinkler arrangement along weigh bridge and coal stock approach road.</li> <li>• 12 sprinklers along railway siding.</li> <li>• Closed conveyer &amp; water spraying at all transfer points of CHP.</li> <li>• Mist Spray Arrangement system and dust collector is provided at CHP.</li> <li>• Side cladding is provided along belt conveyors to avoid air borne dust.</li> <li>• Drills have wet drilling arrangement.</li> </ul> <p>Work for dedicated off pit conveyor belt, for coal transportation through silo loading system is in progress and the work is likely to be completed by 31/0108/2026. After commencement of this system, existing railway siding will be no longer used for the transportation of coal from MKD-I OC Mine and MKD-III OC Mine.</p>

Controlled Blasting/ Ground vibration study	<p>Controlled blasting techniques with use of Non electric delay detonators are practiced to control ground vibration and to arrest the fly rock. All blasting practices are carried out as per permission of Director General of Mines Safety (DGMS).</p> <p>The blasting vibration monitoring is done regularly. The records are maintained &amp; submitted to DGMS. The nearest village is about 800m from blasting site.</p>																											
Ground Water Monitoring	<p>Regular monitoring of ground water level from existing wells at 32 locations of Buffer zone is done for four times a year i.e. during pre-monsoon (May), monsoon (August), post-monsoon (November), and winter (January).</p> <p>Quality of groundwater as per IS: 10500: 2012 is analyzed for 5 locations in Buffer zone once a year.</p> <p>In addition, piezometers with telemetry system (2 nos.) with Digital water level recorder has been installed at mine for the continuous monitoring of ground water level.</p>																											
Medical camps/ OPD facilities	<p>For continuous/regular health assessment in the villages adjoining mining projects of WCL Umrer Area, medical camps are organized on regular basis and OPD facility is also provided.</p> <p>Details of medical camps conducted in last 8 years are given below:</p> <table border="1" data-bbox="961 893 1665 1263"> <thead> <tr> <th>Year</th> <th>No. of Medical camps</th> <th>No. of Beneficiaries</th> </tr> </thead> <tbody> <tr> <td>2018-19</td> <td>57</td> <td>4691</td> </tr> <tr> <td>2019-20</td> <td>34</td> <td>1878</td> </tr> <tr> <td>2020-21</td> <td>3*</td> <td>90</td> </tr> <tr> <td>2021-22</td> <td>27</td> <td>1849</td> </tr> <tr> <td>2022-23</td> <td>39</td> <td>3400</td> </tr> <tr> <td>2023-24</td> <td>45</td> <td>4743</td> </tr> <tr> <td>2024-25</td> <td>29</td> <td>2678</td> </tr> <tr> <td>2025-26</td> <td>47</td> <td>4860</td> </tr> </tbody> </table> <p>*Due to Covid-19 pandemic, medical camps couldn't be conducted during lockdown period. Free covid 19 testing were conducted for villagers on regular basis and a blood donation camp also conducted under CSR.</p> <p>No. of beneficiaries who availed OPD facility at WCL Umrer Area Hospital are mentioned below:</p>	Year	No. of Medical camps	No. of Beneficiaries	2018-19	57	4691	2019-20	34	1878	2020-21	3*	90	2021-22	27	1849	2022-23	39	3400	2023-24	45	4743	2024-25	29	2678	2025-26	47	4860
Year	No. of Medical camps	No. of Beneficiaries																										
2018-19	57	4691																										
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2022-23	39	3400																										
2023-24	45	4743																										
2024-25	29	2678																										
2025-26	47	4860																										

Year	No. of Beneficiaries who availed OPD facility
2024-25	35815
2025-26	2692 Nos. - CSR 42976 nos. – Employees & Dependents

### Plantation

Makardhokra – I OC Mine commenced in the year 2014. Details of plantation work undertaken are mentioned below:

Year	No. of saplings planted	Covering an area in ha.	Location details
2025-26	17,500	7.0	Along Mine boundary near Kanhwa Village
2024-25	30000	12.0	OB dump top
2023-24	22500	9.0	Along project boundary on the south western side before Khursapar Village.
2022-23	40500	16.20	Along project boundary on the south easter side before Kanwha Village.
2021-22	12000	4.8	Along project boundary on the south eastern side.
2016-17	30000	12.10	OB Dump
Total	1,52,500	61.11	

Further on the plantation work will be undertaken as per plantation program of EIA-EMP.

It may be mentioned here that, WCL has already entered into a long-term MOU with Madhya Pradesh Rajya Van Vikas Nigam (MPRVVN), a State level Expert Agency for planation in its Mining areas with four years maintenance after each year of plantation.

	<p>As per MoU, following species are to be planted:</p> <ul style="list-style-type: none"> <li>• Fruit Bearing Tree Species: Jamun, Imli, Ganga Imli, Bel, Mango, Sitaphal etc.,</li> <li>• Medicinal / Herbal Plants: Neem, Karanj, Harra, Bahera, Aonla (Amla), Arjun, Shekakai, Kusum, Mahua, etc.</li> <li>• Timber Value Trees: Teak, Shivan / Ghamar, Sissoo, Kala Sirus, SafedSirus, Bamboo, etc.</li> <li>• Ornamental / Avenue Plants (by the side of roads and colonies): Kachnar, Gulmohar, Amaltas, Saptarni, Gravalia, Peepal, Palm tree etc.</li> </ul>
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**b) Specific issues**

Activities	Status	Time line	Budget Provision/ Expenditure
<b>Completed works</b>			
Work for provision of drinking water at Shirpur Village.	Completed	Jan'2022	Rs. 8.55 lakhs
Provision of RO plant Waigaon-Ghoturli village	Completed	Aug'2020	Rs. 4.52 Lakhs
Provision of RO plants in nearby villages	<p>Details of RO plants provided in last 03 years are as follows:</p> <p>Piraya village: 1000 LPH  Makardhokra village: 1000 LPH  Waigaon Ghotrulli Village: 1000 LPH  Bhagwanpur: 1000 LPH  Sayki: 1000 LPH  Khandlazari: 1000 LPH  Heoti : 1000 LPH</p>	-	<p>Rs. 10.93 Lakhs  Rs. 11.66 Lakhs  Rs. 4.52 Lakhs  Rs. 7.03 Lakhs  Rs. 10.00 Lakhs  Rs. 6.84 Lakhs  Rs. 5.438 Lakhs</p>
<b>Yet to be completed – This issue is not specific to Makardhokra – I OC. However, the present status is given below</b>			
Rehabilitation of Hewati village	<p>Rehabilitation of Hewati village is considered under the adjacent project i.e. Dinesh OC (Makardhokra – III OC) Mine.</p> <p>Rehabilitation of Hewati village is proposed with capital provision of Rs. 35.92 crore, considering 750 nos. of PAF. The rehabilitation site is under construction near Udasa village on Umrer- Nagpur Highway. The details of the activities under progress is enclosed as Annexure- A.</p>		Provisions in PR for infrastructure is about Rs. 530.52 lakhs.



# **COAL INDIA LIMITED**



## **CORPORATE ENVIRONMENT POLICY**

**2018**

## **Environmental Policy Statement:**

*Coal India Limited(CIL) is committed to promote sustainable development by protecting the environment through integrated project planning & design, prevention / mitigation of pollution, conservation of natural resources, restoration of ecology & biodiversity, recycling/ proper disposal of wastes, addressing climate change and inclusive growth. It also aims to bringing awareness amongst its stakeholders for continual improvement in environmental performances following best practices.*

## **OBJECTIVES:**

### **Coal India Limited shall endeavor to:**

- 1. Plan & design projects with due consideration to environmental concerns for Sustainable Development.*
- 2. Conduct mining and associated operation in an environmentally responsible manner to comply with applicable laws and other requirements related to environmental aspects.*
- 3. Prevent pollution of surrounding habitation by continuous monitoring and adopting suitable measures for environment protection.*
- 4. Implement Environment Management Plans in all our mines /projects effectively to mitigate pollution, conservation of natural resources and restoration of ecology & biodiversity.*
- 5. Ensure compliance of all applicable Environmental Clearance& Forestry Clearance conditions and other statutory conditions issued by regulatory agencies.*
- 6. Recycling of wastes on the principle of REDUCE, REUSE and RECYCLE.*
- 7. Put special thrusts on efficient energy utilization / renewable energy as a measure to reduce carbon foot-print.*
- 8. Strive for continual improvement in our environmental performances by setting targets, measuring progress and taking corrective action.*
- 9. Taking measures to render productive post mining land use.*
- 10. Implementation of activities applicable to CIL arising out of International Conventions.*
- 11. Create environmental awareness among the employees and the local communities through pro-active communication and training.*

## **STRATEGIES FOR IMPLEMENTATION OF ENVIRONMENTAL POLICY:**

### **Back Ground:**

Coal India Limited subscribes to the view of Sustainable Development. Unless the environment can sustain all the developmental activities, any pursuit of development in isolation can cause irreparable damage to the ecosystem and associated environmental attributes. Keeping this view in mind, Coal India Limited attaches top priority towards sustainable development and approved its 'Corporate Environmental Policy' in December 1995, which was subsequently revised in 2012. However the present policy is the amendment of the 2012 Policy and is complimentary to the National Environmental Policy, 2006.

This modification in the present policy is the outcome of the experience gained since 2012 keeping in view the modifications / amendments made time to time in environmental policies and additional stipulation notified by MoEF&CC (Ministry of Environment, Forest& Climate Change) and other organisations concerning mine closure, reclamation of degraded land, environmental clearance etc. and also with the objective of revisiting the corporate policy.

This Policy has a vision of Green Mining and mission of 100% compliance of environmental statutes applicable to coal mining industry.

**Strategies:** Coal India adopts the strategies appended below for effective implementation:

### **1. MINE/ PROJECT PLANNING & DESIGN FOR SUSTAINABLE DEVELOPMENT:**

- a) Coal being a non-renewal energy source, extraction shall be planned prudently to meet national requirement in a planned way. The projects shall be designed on the principle of Sustainable Development with due consideration to environment, mine closure ,safety and aspirations of the stakeholders at the planning& design stage itself with due regard to mine closer plan.
- b) While preparing the Mining plan/project reports, the effort shall be to incorporate latest mining technologies and equipment's with optimal capacity, which are more environment friendly.

- c) All Mining Plan/ project reports will be provided with detailed provisions for ensuring environmental compliances.

## **2. ENVIRONMENTAL IMPACT ASSESSMENT (EIA) & ENVIRONMENT MANAGEMENT PLAN (EMP)**

- a. All mine planning and design shall be environmentally acceptable and operation shall be carried out in such a way as to facilitate the compliance of stipulated environmental standards.
- b. EIA& EMP for all projects shall be formulated as per the approved ToR (Terms of Reference) and public consultations for obtaining Environmental Clearance (EC) from MoEF&CC. Similarly, in the existing projects needing enhancement of production capacities with or without increase in land, change of technology, renewal of lease and change in land use etc. fresh EC is required to be sought as per norms. The projects shall be operated after obtaining Consent to Establish (CTE)/Consent to Operate (CTO) from State Pollution Control Boards (SPCB).
- c. Detailed Mine Closure Plans shall be prepared for all existing and new mines as per the MoC (Ministry of Coal) guidelines.

## **3. COMPLIANCE OF THE STATUTORY REQUIREMENTS:**

The implementation of EMP and fulfillment of all other statutory requirements like conditions of EC, FC and consents to establish & operate, including timely submission of returns to statutory bodies and various agencies, are to be ensured at all levels.

## **4. MEASURES TO MITIGATE POLLUTION:**

### **a) Air Pollution:**

- i) Generation of dust is to be controlled at the source to the possible extent with necessary control measures during drilling, blasting, loading, unloading, CHP transfer points etc.
- ii) Deployment of eco-friendly mining technologies.
- iii) Dust generation is to be minimized along coal / waste transportation routes.
- iv) Mechanized transportation of coal to be encouraged.
- v) Green belt is to be created around the source of dust.

**b) Water pollution:**

- i) The mine water and other effluent shall be treated to ensure the discharge norms as per statute. The treated effluent shall be utilized to the extent possible with a view to achieve maximum water conservation.
- ii) Oil & grease from the effluent shall be removed by Oil & Grease Traps for proper disposal.

**c) Noise / ground vibration:**

- i) All measures to minimize noise pollution will be taken including maintenance of HEMM, equipment and provision of PPE where required.
- ii) Suitable controlled blasting techniques shall be followed to reduce ground vibration as well as noise pollution.

**d) Land reclamation:**

- i) Progressive and concurrent reclamation of mined out areas will be carried out as per approved EIA/EMP and Mine Closure Plan (MCP).
- ii) Slopes of external dumps are the important area to be suitably graded / terraced for effective reclamation and plantation.
- iii) Preservation of top soil is required for future use. Old as well as existing non-active dumps are to be technically and biologically reclaimed.
- iv) Monitoring of reclamation work of all opencast mines will be done through Satellite Surveillance. The outcome shall be put in the websites.

**e) Mine closure plans:**

Mine Closure Plan (MCP) shall be prepared for each mine. MCP are being delineated in two phases viz. progressive and final mine closure. Appropriate funds are set aside and deposited under a special Escrow fund every year as per MoC guidelines, to be utilized for proper and final mine closure.

For mines closed prior to issuance of MoC guidelines (i.e. 27<sup>th</sup> August, 2009) suitable action to be taken as per provisions of Mines Act 1952.

**f) Mine fire**

CIL shall endeavour to reduce occurrence of mine fire and subsidence due to mining activity. Monthly report shall be submitted to top management of the subsidiary and CIL and Quarterly to company board. Action Plan for mine fire control shall be implemented. Monitoring will be done through Satellite Surveillance/other suitable technology.

**g) Monitoring:**

- I. All receptors in and around the mining projects shall be monitored regularly to assess the efficacy of the pollution control / mitigation measures within stipulated standards.
- II. Effect of mining on the hydrology of the area will be monitored through measurement of water level and its quality of nearby wells and bore holes provided for this purpose. Conservation of water through rainwater harvesting shall be taken up.
- III. Area and Unit environmental cells shall have regular interaction with the people in and around the coal mines and other allied units on matters related to environment to take necessary and timely corrective actions.
- V. Environmental initiatives and monitoring through self and third party environment audit shall be conducted for generating useful data for taking corrective actions and mitigation measures as per guidelines.

**h) Other measures:**

- I. Special emphasis shall be given to undertake R&D related to various facets of coal mine environmental management in collaboration with Central Mine Planning and Design Institute (CMPDI) and other competent institutions.
- II. Besides ensuring statutory compliance, the CIL desires to set high standards and continual improvement.
- III. A number of mines and establishments of CIL are ISO 14001 certified and balance mines & establishments shall be ISO 14001 certified in phased manner.
- IV. CSR and R&R policies of CIL are to be incorporated for better planning and implementation of the socio-economic issues of coal mining areas.
- V. The coal mining environmental issues are complex and require multi-disciplinary approach to address the same. CIL will endeavor to enter into MoUs with expert agencies of repute to assist in environment issues and also help in capacity building of CIL executives.
- VI. CIL conduct periodical medical examination (PME) of its work force on routine basis in compliance of the requirement mining rules and regulation, additional test will be done as and when require.

**5. PRESERVATION OF BIO-DIVERSITY:**

- a) This will start from mine planning including technically and biologically reclamation of mined out areas in collaboration with State Forest Departments, Wild Life Divisions, NGOs etc. working in the fields of bio-diversity conservation.

- b) The selection of species for plantation shall be done in consultation with the local community to include the local species and their preferences, if any.

## **6. COAL BENEFICIATION / COAL WASHERIES:**

- a) For beneficiation of Runoff Mines (ROM) coal, washeries are being set up in a phased manner as per requirement and statutes.
- b) Slurry Management System (SMS) in all washeries shall be organized to ensure collection of fines, gainful utilization of rejects viz. power generation in Fluidized Bed Combustion (FBC) plants, selling to brick manufacturers or adopting other environmental friendly disposal options as feasible.
- c) The reject dumps and tailings shall be suitably handled to avoid any contamination.
- d) The effluent from washeries including tailings pond shall be suitably treated and reused to minimize water consumption with zero discharge concept.

## **7. CONSERVATION AND CLEAN TECHNOLOGY:**

- a) R&D projects shall be taken up to promote clean coal technology and improve the existing technologies.
- b) Energy saved is energy produced. Voluntary energy audit to be done for corrective action to reduce carbon footprint.
- c) Clean Development Mechanisms will be explored for reducing emission of Green House Gases by exploration, identification, preparation of projects reports for extraction of methane from Coal Bed, Coal Mine, Abandoned Mine, Ventilation Air, UG Coal Gasification, generation and utilization of renewable energy etc.

## **8. AWARENESS PROGRAMME:**

- a) Publicity to generate awareness through exchange & communication of information, newsletters and periodicals on environment, seminars, workshops, celebration of World Environment Day etc. at CIL / Subsidiary HQs, Areas & units to be undertaken. Regular training programs to be organized at various levels to inculcate awareness among employees.
- b) Courses on environmental and forestry laws and Environmental Protection Measures and the Corporate Policy to be organized for project executives for improving knowledge.
- c) CIL to give annual awards for achieving excellence in environment related

issues and activities. These awards will be in recognition for implementation of EMP, land reclamation and compliance of statutes, proper maintenance of air & water quality and noise level.

## 9. WASTE MANAGEMENT:

CIL will undertake appropriate action for safe handling, storage and disposal of solid waste and hazardous waste generated from its industrial set up and colonies as per relevant rules. The biomedical waste generated from hospitals and dispensaries will be collected and disposed in appropriate facilities created as per statutes. E-waste management and handling of various types of e-waste generated in its operations will be done as per rule.

## 10. CORPORATE ENVIRONMENT RESPONSIBILITY:

Corporate Environment Responsibility (CER) is mandatory for issuing environmental clearance for all the Greenfield and Brownfield projects as per directives of MoEFCC with effect from 1st May, 2018 (O.M.No.22-65/2017-IAIII dt. 19.06.2018). Budgetary provisions should be kept for implementation of provisions of CER for all the projects which will be submitted to MoEFCC for grant of environmental clearance.

## 11. INCORPORATION OF VIEWS OF STAKEHOLDERS:

CIL will critically examine and incorporate the viewpoints of various stakeholders like PAPs/PAFs, Parliamentary Committees, Standing Sub-Committees, NGOs etc. CIL being a listed entity with stock exchange, it will also take into consideration the observations/viewpoints of international investors.

## 12. IMPLEMENTATION OF POLICY:

- i) **Manpower:** CIL shall have environmental divisions at decision making & operational levels in its structure. The environment department shall be set up and strengthened at:
  - i) CIL Corporate HQ at Kolkata
  - ii) Subsidiary HQs
  - iii) Areas / Units / Collieries / Workshops /Washeries
  - iv) CMPDI (HQ) & CMPDI Regional Institutes
- ii) **Roles and Responsibilities:** The environmental department, set up at company HQs, Areas and Unit levels with appropriate manpower and resources, shall be responsible for implementation of policy, obtaining EC, FC, consent to establish

& operate, statutes requirements and undertaking mitigation measures besides preparation of action plan every year and also to intimate the status of implementation to the management regularly.

**iii) Annual Environment Budget (Revenue & Capital):** The Annual Environment Budget (revenue & capital) shall be prepared based on the action plan including monitoring of various bench marks and the budget utilization. The year wise funds earmarked for environmental protection measures shall be kept in separate accounts with Environmental cost code.

### **13. FLEXIBILITY TO THE SUBSIDIARY COMPANIES:**

CEP 2018 will be applicable for all subsidiaries of CIL. The subsidiary company Boards have been authorized to approve necessary modifications in CEP 2018 with reference to unique conditions prevailing at the concerned subsidiary.

### **REVIEW OF ENVIRONMENTAL POLICY:**

In view of the present fast changing social, economic and environmental scenario, this Policy shall be reviewed every 5 years to incorporate the changes in the legal, technical, environmental, economic and social inputs prevailing at that time. Whenever, there is change in National Environmental Policy or other National / State relevant policies, Acts etc, this Corporate Environmental Policy would be reviewed and suitably revised.

\*\*\*\*\*

## पुण्य नगरी

शुक्रवार, २५ मार्च २०२२

6

## गोठ्यात शिवीरो सिंह यांच्याविरोधातील सर्व तपआयकडे पाडला व

## कोपरअलीत बिबट्याची

**मुलचेरा (गडचिरोली) :** तालुक्यातील कोपरअली येथील देवेंद्रनाथ नगेंद्रनाथ सरकार या शेतकऱ्याच्या गोठ्यात घुसून बिबट्याने एक महिन्याच्या वासराचा फडशा पाडल्याची घटना घडली. २२ मार्च रोजी मध्यरात्री ही घटना घडली.

कोपरअली हे गाव मार्कंडा वन रेंगेवाही उपक्षेत्रात समाविष्ट असून घटने मिळताच वन परिक्षेत्र अधिकारी भारत मार्गदर्शनात येथील वनरक्षक जी. एस. घटनास्थळ गाठून पंचनामा केला. देवेंद्र यांचे कोपरअली ते विश्वनाथनगर रस्त्याक आहे. घराला शेती आणि जंगल लागून २२ मार्च रोजी मध्यरात्रीच्या सुमारास चक्क घराजवळच असलेल्या गोठ्यात महिन्याच्या वासराचा फडशा पाडला. दुर्घटनेत मृत्यू झालेल्या वनविभागाने वासराचा मृतदेह न हलका लावून बघितले असता, त्या कमरेत विना परिसरात असल्याचे निष्पन्न झाले. त्या भौतीचे वातावरण निर्माण झाले आहे.

## शक्ती कायद्याला मिळणार आ

मंजूरे केले होते; परंतु या विधेक लागू हवी. त्या व्यवस्थेसाठी महाराष्ट्र अन्न विरुद्धच्या विविधित अपराधांसाठी महिला व बालकांवरील गुन्हांबाबत न्यायालय स्थापन होणार आहेत. त्या होणार आहे. महिला व बालकांवरील असल्याने विशेष सरकारी अभियंता करण्यात आली आहे. तसेच विविध पथक गठित करण्याची तरतूद करण्यात आली आहे. या अपराधांचे आशिलांसह यादी निविदा वेबसाइट अर्थात दिल्लीप वळसे-पाटील बॉने सगळे

## देवेंद्र फडणवीसांचा सरकार

ही कंपनी वापरते, असेही ते म्हणता. बिल्डरने २.५५ कोटींना खरेदी केले. माहुल पमिंग स्टेशनच्या जागेसाठी देवेंद्र अंतर्गत असल्याने तिथे कोणतेही आरक्षण अंतर्गत असणारी जागा अर्थात फडणवीस म्हणाले. सामान्य माणसां

मुंबईचे माजी पोलीस आयुक्त ह यांच्याविरोधातील गैरवर्तन व संबंधित सर्व पाच प्रकरणांचा तपास 'केंद्रीय अन्वेषण ब्युरो' अर्थात फडे हस्तांतरीत करण्याचे आदेश न्यायालयाने दिले. परमबीर सिंह यांच्याविरोधातील तपास राज्य पोलिसांकडून ठी आग्रही असलेल्या महाविकास कारसाठी हा धक्का असल्याचे मानले जाते. परमबीर यांचे निलंबन रद्द करण्यासही नकार दिला.

किशन कौल आणि न्यायमूर्ती एम. एम. सुंदर ठासमोर गुरुवारी याप्रकरणी सुनावणी झाली. त्याने या प्रकरणावरून राज्य सरकारला फटकारत यांच्याविरोधातील सर्व पाच प्रकरणांचा तपास



सर्वोच्च

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सीबीआयकडे दिले. खंडपीठ म्हणाले की, फडून तपास व्हावा, याबाबत स्वतः एक गुंतागुंतीची स्थिती निर्माण न्यायाचा सिद्धांत पुढे घेऊन स सीबीआयकडे सोपवण्याची आहे. या प्रकरणात विहिसल-ब्लोअर आहेत अथवा इतर जण घुतल्या तांदळाचे आहेत, अशाही. एकंदर स्थिती पाहता राज्यातील पोलीसांचा विश्वास पुन्हा कायम करण्यासाठी स्वस्थता आहे. खरे तर राज्याने अगोदर सीबीआयकडे सोपवायला हवे होते, असे नमूद ह यांच्याविरोधातील तपासासंदर्भातील सर्वेज आठवडाभरात सीबीआयला सोपवण्याकरिता दिले.

## दाखल

रुडे हा वडिलांच्या करीला लागला होता.

मृत्यू झालेल्या नुकसानभरपाई

नुकसानभरपाई

रक्षार्थसंबंधी हेळसांड

गोलि अधिकाऱ्यांवर

ावी, अशी मागणी

ती आहे. या दुर्घटनेत

ने वेकोलिचे कामगार

टकर व गावातील

आर शंकर आंदगुला

स्थिर आहे.

**वेस्टर्न कोलफिल्टेड**  
(कोल इंडिया लिमिटेडची)  
कोल इस्टेट, सिविल लाईन्स, नागपूर-440001 | www.westerncoal.in

**सूच**  
वेस्टर्न कोलफिल्टेडच्या उमरेड क्षेत्राकरिता - 1 खुली खाण (Phase - 1) विस्तारासाठी (उत्पादन क्षमता प्रति वर्ष ते 4.20 मिलियन टन प्रति वर्ष व खनन लीज क्षेत्र 6ण, वन व जलवायु परिवर्तन मंत्रालयाद्वारे पत्र क्रमांक J.A.II(M) दिनांक 21/03/2022 अनुसार पर्यावरण स्विकृती दिली होती. पत्राची प्रत पर्यावरण, वन व जलवायु परिवर्तन मंत्रालय वेबसाईट वर पाहू शकता - <http://environmentclear>

"आमची एस् मिळविण्यासाठी टोल फ्री नंबर मिस कॉल घा"

**Bank of India**  
Relationship beyond banking

ह्याद्री शॉपिंग सेंटर,  
- ४९३००९,  
२३९१४७९

सोलापूर येथील करंसी चेस्ट हब / प्रस्तावित बांधकामाकरिता आर्किटेक्ट

सोलापूर येथील करंसी चेस्ट हब / नोडल करंसी चेस्ट हब आर्किटेक्टच्या पूर्व पात्रेसाठी अर्ज मागविण्यात येत आहे तपशिलवार माहिती [www.bankofindia.co.in](http://www.bankofindia.co.in) वर उपलब्ध आहे. अर्ज करण्यासाठी शेवटची तारीख १९.०१

यामध्ये कोणतेही बदल/परिशिष्ट/ अधिसूचना असल्यास तसेच उपलब्ध होईल.

प्रबंधक - सोलापूर अंचल

## नागपूर सुधार अस

(www.mahatenders.gov.in)

## ई-निविदा सूचना क्र. 2१2

कामांसाठी पात्रता निकषानुसार ना.सु.प्र./पी.डब्ल्यू.डी./एन.ए सरकारी विभाग केंद्र एजन्सी नोंदणीकृत ठेकेदारांकडून सीलबंद टक्केवारी दर ई-केल्या जात आहेत. शिलांसह यादी निविदा वेबसाइट अर्थात [www.mahatenders.gov.in](http://www.mahatenders.gov.in) वर पोस्टलवर नोंदणी करणे आवाजी लावते वेळी नासून

वर्ग	दि. 28.03.2022 ला दु. 2.00 वा. ते दि. 2: 2.00 वाजेपर्यंत
वर्ग 1	दि. 28.03.2022 ला दु. 2.00 वा. ते दि. 2: 2.00 वाजेपर्यंत
वर्ग 2	दि. 28.03.2022 ला दु. 2.00 वा. ते दि. 2: 2.00 वाजेपर्यंत
वर्ग 3	दि. 25.04.2022 ला दु. 2.00 वाजता किंवा त्याप्रमाणे.



## कार्यालय चंद्रपूर शहर महानगरपालिका

दुरध्वनी क्र. - ०७१७२-२५०२२०, २५३९८३, फॅक्स क्र. - ०७२

क्रमांक: चंशमनपा/आयुक्त/स्वच्छता विभाग/मंजूर पुरवठा/ई-निविदा/२०२२/३८१२ दिनांक

### ई-निविदा सूचना

चंद्रपूर शहर महानगरपालिका, चंद्रपूर अंतर्गत स्वच्छता विभागातील विविध प्रकारच्या कामाकरिता दिवस पुरवठा करण्याकरिता सेवाशुल्क निविदा दर कंत्राटदार/संस्था/बेरोजगार संस्था यांचेकडून दिवस मागविण्यात येत आहे. निविदेच्या अटी व शर्ती निविदा फॉर्म, शुद्धिपत्रक, कामाच्या अटी शर्ती माहिती महाराष्ट्र शासनाच्या <http://mahatenders.gov.in> या संकेतस्थळावर दिनांक २९ नोव्हेंबर २०२१ पासून उपलब्ध आहे.

### ई-निविदा प्रसिद्धीचा तपशील

कामाचे नाव:-	स्वच्छता विभागा अंतर्गत विविध प्रकारच्या कामाकरिता प्रसिद्ध पुरवठा करिता सेवाशुल्क दर मागविण्याबाबत.
निविदा पत्रक फी	रु. १०,०००/- (ना परतावा)
अनामत रक्कम	रु. ३०,०००/-
ऑनलाईन निविदा विक्री व स्वीकृती दिनांक	दिनांक २५/०३/२०२२ ते दिनांक २८/०३/२०२२ (बुधवार)
ऑनलाईन निविदा उघडणी दिनांक	दिनांक १२/०४/२०२२ दुपारी ३.०० वा. अथवा प्रश्न (शासकीय सुट्टी वगळता)
	स्वा/- आयुक्त चंद्रपूर शहर महानगरपालिका

## Name Change

I, Sonal Bhagat s/o Jainendra puranal Bhagat. R/o JASHN plot no 90A agney layout, bhanti road, Khamla Nagpur -440025 have changed my name to Sonalkumar Bhagat for all future purposes.

READ Express

CAREERS

Every THURSDAY in

The Indian Express,

The Financial Express

and Loksatta



## The Malkapur Urban Co-Op Bank Ltd. Malkapur

Office : "Dhanshree", Malkapur, Dist. Buldhana

### POSSESSION NOTICE [Rule 8(1)]

Whereas, the undersigned being the authorized officer of The Malkapur Urban Co-Op Bank Ltd. Malkapur having its office at "Dhanshree", Buldana Road, Malkapur and one of its branch office at Shegaon under The Securitization and Reconstruction of Financial Assets and Enforcement of Security Interest Act 2002 and in exercise of powers conferred under Section 13(12) read with rule 8 of the Security Interest (Enforcement) Rules, 2002 issued a demand notice dated 22/11/2018 calling upon the borrower 1) Mrs. Suchita Pradip Rathi, Prop. of Tirupati Ginning, Office Add.: Plot No.C-15/5, MIDC, Khamgaon, Taq.Khamgaon, District Buldhana (Principal Borrower), 2) Mr. Pradip Ramchandra Rathi, Resident of New Datta Mandir, Balaji Plot, Khamgaon, Taq.Khamgaon, District Buldhana (Guarantor & Mortgagor), 3) Mr. Jayprakash Ramchandra Rathi, Resident of New Datta Mandir, Balaji Plot, Khamgaon, Taq.Khamgaon, District Buldhana (PA Holder) (Guarantor & Mortgagor), 4) Mr. Vijaykumar Shaligram Chandak, R/o. Near agrasen Bhavan, Balaji Plot, Khamgaon, Taq.Khamgaon District Buldhana (Guarantor) to repay the amount mentioned in the notice being Rs. 4,04,35,678/- (Rs. Four Crore Four Lakh Thirty Five Thousand Six Hundred Seventy Eight only) as on 31/10/2018 + interest + charges within 60 days from the date of receipt of the said notice.

The borrower/guarantors/mortgagor having failed to repay the full amount, notice is hereby given to the borrower/guarantor/mortgagor and the public in general that the undersigned has taken Symbolic Possession of the properties described herein below in exercise of powers conferred on him under Section 13(4) of the said Act read with rule 8 of the said rules on this 21<sup>st</sup> day of February, 2022.

The borrower in particular and the public in general is hereby cautioned not to deal with the properties and any dealings with the properties will be subject to the charge of The Malkapur Urban Co-Op Bank Ltd. Malkapur having its head office at "Dhanshree", Buldana Road, Malkapur and one of its branch office at Shegaon for an amount of



## WESTERFIELDS LIMITED

of Coal India Limited  
Coal Estate 40001, Maharashtra, India. Website - www.westerncoal.in

### NOTICE

Environment has been accorded for Expansion of Makardhokra-3(I) of Umrer Area from 3.50 MTPA to 4.2 MTPA in a 16.69 ha by Ministry of Environment, Forests & Climate Change letter no. J-11015/54/2006-IA.1(M) dated 21/03/21 the clearance letter may also be seen at website of the environment, Forests & Climate Change (MoEF&CC) [clearance.nic.in](http://clearance.nic.in)

"Give a miss, number 18002003004 to get our apps"



Head Office: 301-306, 3rd Floor, ABHIJEET Vignor's Bungalow, Law Garden Road, Mithakhali, Small Finbad - 380006, Gujarat. [www.fincarebank.com](http://www.fincarebank.com)

### LOAN AGAINST IN NOTICE ON "AS IS WHERE IS" BASIS

The below borrower/s have been issued notices to pay their outstanding towards the loan against gold facilities availed from Finance Bank Ltd ("Bank"). Since the borrower/s failed to repay his/their dues, we are constrained to auction of pledged gold items/articles as per below

Loan Account no	Auction Venue	Auction Date
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Antigua police said. "Police in Antigua have started search operations for him. The family is worried about his safety. We are keeping a watch on developments," Aggarwal said on Tuesday.

the petitions challenging the GR and all intervention applications to June 21. There is no stay on the GR at present and the high court said such promotions "shall be subject to further order that would be

and sought a stay on its implementation. The state through a special counsel and government pleader, P.P. Kakade, said that the GR was a temporary or interim measure as the state could not function with 33% vacancies.

were by any law to object to such labeling," technology lawyer Mishi Choudhary told TOI, adding that the government was acting as a bully. According to Choudhary, the move also sends a

bad message to tech companies looking to invest in India. "This sends a message to the world that India is closed for business. Rule of Law no longer applies and every rule is

**ncrtc NATIONAL CAPITAL REGION TRANSPORT CORPORATION LTD.**  
(A JV of Govt. of India and participating State Governments)

Online Bids are invited for: **E-TENDER NOTICE**

Bid No. DM/OM/COR-OF/144 Tender ID: 2021\_NCRTC\_77924\_1  
Operations & Maintenance of the Delhi-Ghaziabad-Meerut Regional Rapid Transit System (RRTS).  
Document Download Start Date : 26.05.2021  
Last Date/Time of Submission of bids : 20.08.2021 (upto 1500 Hrs.) Sd/- GGM/Procurement

Bid No. DM/ST/COR-OF/142 Tender ID: 2021\_NCRTC\_77922\_1  
Package-26A - Design, Supply, Installation, Testing & Commissioning and Comprehensive Annual Maintenance Contract of EMV based Open Loop Automatic Fare Collection (AFC) System for Delhi - Ghaziabad - Meerut RRTS Corridor.  
Document Download Start Date : 26.05.2021  
Last Date/Time of Submission of bids : 27.07.2021 (upto 1500 Hrs.) Sd/- GGM/Procurement

Bid No. DA/UD/CPM-GGN/026 Tender ID: 2021\_NCRTC\_78021\_1  
Shifting/diversion of existing water supply pipelines infringing with proposed Delhi-Gurugram-SNB RRTS corridor in Gurugram area.  
Document Download Start Date : 28.05.2021  
Last Date/Time of Submission of bids : 05.07.2021 (upto 1500 Hrs) Sd/- CPM/Gurugram

For detailed information and subsequent, addendum/corrigendum (if any), please visit NCRTC website [www.ncrtc.in](http://www.ncrtc.in) or CPP Portal [www.tenders.gov.in/procure/app](http://www.tenders.gov.in/procure/app)

**URANIUM CORPORATION OF INDIA LIMITED**  
(A Government of India Enterprises)  
(CIN : U 12000 JH 1967 GOI 000806)  
TUMMALAPALLE PROJECT  
P.O - M.C. Palle, Vemula- Mandal, Kadapa- DL, Andhra Pradesh. -516349,  
Phone No: 08588 282766

**CORRIGENDUM-III**

**NOTICE INVITING EXPRESSION OF INTEREST**  
Ref No: TMPL/PUR/ADV/2021/01 dt. 09/03/2021

Sl. No.	Material	Quantity	Tender number	Last date of submission/ opening date
1	Expression of Interest for supply of ION exchange Resin	3 liter	EOI/TMPL/IX-RESIN/20-21/002	FOR : 18.05.2021 READ: 22.06.2021

Note: For complete details of this EOI, visit our website [www.uraniumcorp.in](http://www.uraniumcorp.in). Interested parties fulfilling the EOI terms and conditions may submit their offer online through [www.tenderwizard.com/UCILEPROC](http://www.tenderwizard.com/UCILEPROC). Tender documents shall be downloaded from our website [www.uraniumcorp.in](http://www.uraniumcorp.in) or [www.tenderwizard.com/UCILEPROC](http://www.tenderwizard.com/UCILEPROC).

**CHIEF CONTROLLER OF PURCHASE**

**THANE MUNICIPAL CORPORATION**

**Expression of Interest Notice**

EOI No	TMC/PHD/CMS/425	
Department	Medical Officer of Health Public Health Department	
Address	Mahapalika Bhavan, Sarsenani General Arun Kumar Vaidya marg, Chandan Wadi, Pachpakhadi, Thane West-400602, Maharashtra	
Subject	Supply of COVID-19 Vaccine 500,000 doses	
Tender Date	Start Date	26.05.2021
	End Date	08.06.2021 by 16:00 hrs IST
Website	<a href="https://thanecity.gov.in">https://thanecity.gov.in</a>	
Contact Person	Name: Dr. Vijayanti Deogekar Mobile No: +91 922 132 4346	
Note	Changes in the EOI will be intimated as corrigendum uploaded on the Thane Municipal Corporation's Website	
TMC/PRO/Health/188/2021-22	SD/-	
Dated 25/05/2021	Medical Officer of Health, Thane Municipal Corporation	
By Order of the Municipal Commissioner of Thane Municipal Corporation		

**TIMES OF INDIA, 26 MAY 2021, WED, NAGPUR**

**Western Coalfields Limited**  
(A subsidiary of Coal India Ltd.)

**NOTICE**

Environmental Clearance has been accorded for Expansion of Makardhokra I Opencast mine (Phase-I) of Umrer Area from 2.0 MTPA to 3.50 MTPA in ML area of 614.69 ha by Ministry of Environment, Forests & Climate Change vide letter no. J-11015/54/2006-IA.II(M) dated 20/05/2021 and a copy of the clearance letter may also be seen at website of the Ministry of Environment, Forests & Climate Change (MoEF&CC) at <http://environmentclearance.nic.in>

**TNPL TAMILNADU NEWSPRINT AND PAPERS LIMITED**  
Kagithapuram - 639 136. Karur Dist. Tamil Nadu  
E-mail: [pmd5@tnpl.co.in](mailto:pmd5@tnpl.co.in), web: [www.tnpl.com](http://www.tnpl.com)  
Phone No.04324-277001 (10 lines), Extn. 4402/4568

**NOTICE INVITING BIDS**

For Overhauling, Erection and Commissioning of 1.2 m Used Wet Lap Machine for HWFL at TNPL Unit-II/MEP

Bidders may request the tender document at the above address by post/mail. Detailed NIB may be viewed in websites : [www.tenders.tn.gov.in](http://www.tenders.tn.gov.in) / [www.tnpl.com](http://www.tnpl.com)

Date of issue of Bid Document	: 27.05.2021
Due date for submission	: 10.06.2021

DIPR/1622/Tender/2021 **TNPL - Maker of bagasse based eco-friendly Paper**

**PSPCL Punjab State Power Corporation Limited**  
Regd. Office : PSEB Head Office, The Mall, Patiala - 147001  
Corporate Identity Number : U40109PB2010SGC033813  
Website : [www.pspcl.in](http://www.pspcl.in) (Contact No. 96461-18774)

Tender Enquiry No. MQP-179/2021-22/PR Dated: 25.05.2021

CE/Metering PSPCL, C-3, Shakti Vihar, PSPCL, Patiala invites E-tender For procurement of 30,000 no. 1-in-1 Metal Meter Boxes (Cabinets) for incorporating Three Phase Energy Meters. For detailed NIT & Tender Specification please refer to <https://eproc.punjab.gov.in> from 26.05.2021 (11:00 AM onwards).

Note : Corrigendum and amendments, if any, will be published online at <https://eproc.punjab.gov.in>

C199/21, DPR/Pb. 76155/12/269/2021/4806

**BENGALURU SMART CITY LIMITED**  
(CIN: U74999KA2018PLC109175)

Office of the Managing Director, BenSCL  
#30/1, 3<sup>rd</sup> & 4<sup>th</sup> Floors, BBMP Building,  
Thimmaiah Road, Opp. Alliance Francaise De School,  
Vasanthnagar, Bengaluru - 560 052.

**TENDER CANCELLATION / WITHDRAWN**

With reference to the Tender No: BenSCL/CE/TS/TEND/GENOMIC-LAB/2021-22 dtd. 21.05.2021 for the tender invited for the work of Implementation of Advanced Molecular Diagnostics & Genomics Laboratory in BBMP, Bengaluru, stands cancelled/withdrawn due to administrative reasons.

Sd/-  
**Chief Engineer,**  
Bengaluru Smart City Limited

**Tender Notice for Selection of 'System Integrator for Establishment and Commissioning of Integrated Command & Control Centre, at Shimla and Dharamshala' Himachal Pradesh**

Department of Information Technology, Himachal Pradesh through its Society for promotion of IT and e-Governance (SITEG), invites e-Tenders from reputed, qualified and experienced firms for the Selection of 'System Integrator for Establishment and Commissioning of Integrated Command & Control Centre, at Shimla and Dharamshala' Himachal Pradesh. The e-tenders can be downloaded from <https://hptenders.gov.in> from May 21, 2021 onwards. There is non-refundable fee of Rs. 10000/- (Rupees Ten Thousand Only) which can be submitted in the form of Demand Draft in favour of "Member Secretary (EC), SITEG, Department of Information Technology, Shimla-171013" payable at Shimla, which is to be deposited prior to the last date of submission of bids. For more details, please download the tender documents.

Director IT-cum-Member Secretary, SITEG (EC),  
Department of Information Technology,  
IT Bhawan, Mehli Shimla-171013  
Phone and Fax : +91-177-2628914  
email : [dirit-hp@nic.in](mailto:dirit-hp@nic.in)  
website : <http://himachaldit.gov.in>

Advl.No.0094/25.05.2021.

**Ramdev**  
**conspir**

Ishita Mishra@times

Dehradun: Amid a row between the Indian Medic (IMA) and Ramdev over ru's "allopathy killed lak Patanjali chairman and aide Balkrishna took to say there was "a conspiracy against yoga and ayurveda". IMA's Uttarakhand branch by writing to chief minister Rawat and demanding he booked under the Epidemic Act. "As part of the conspiracy, the entire country into

**Ramdev-g**  
**centre use**  
**allopathy**

Haridwar: At the 150th anniversary of the Maha Kumbh, a Centre was inaugurated on May 21 by the state and Patanjali. According to Haridwar officer Dr SK Jha, patients who practiced allopathic medicine and Coronil, the tablet he used last year. Patients at the practice yoga to expedite recovery. At the inauguration, the centre will be a holistic treatment centre for patients" and claimed 96% of patients here will recover. Since it was opened, 96% of patients were admitted, of whom 17 succumbed to the recovery at 67.3%. Patients are undergoing treatment. Shashi Sharma, a patient's daughter's mother-in-law, said the Centre was not a proper

**CENTRE**  
**OPEN**  
05-2021

Name of V testing and signaling ge works of Na :-Rs. 20838 Rs. NIL/- c. Date & time 18.06.2021 and instruct online partic available [www.ireps.in](http://www.ireps.in) ANJ01/18 RPF

# सेतू अभियान'

## मलबजावणीला सुरुवात

### गण यशस्वी करण्याचे आव्हान

अधिक कार्यकाळ होऊनही गडचिरोली जिल्ह्यात मुख्य रस्ते, ने पावसाळ्यात अजूनही शेकडो गावांचा संपर्क तुटत असतो. आणि कनेक्टिव्हिटी नाही. शासकीय आणि अनुदानित (अर्थी अतिदुर्गम, डोंगराळ आणि दऱ्याखोऱ्यात वास्तव्याने असल्याने जवळपास तीन ते चार महिने बहुतांश खेडेगावात. अशावेळी शिक्षण सेतू अभियान यशस्वी करणे म्हणजे शासनासमोर सुद्धा मोठे आव्हान राहणार आहे.

रणे, विद्यार्थ्यांना अभियान उत्तम वश्यक माहिती आहे. गडचिरोली, तीन प्रकल्प सासकीय, ४९ एकलव्य तर

एक इंग्रजी माध्यमाची शाळा चालविली जाते. या शाळांच्या माध्यमातून हजारो आदिवासी विद्यार्थी निवासी स्वरूपाचे शिक्षण घेत असतात. आता नियमित शाळा सुरू होईपर्यंत विद्यार्थ्यांच्या गावातच शिक्षण सेतू अभियान राबविण्यात येणार असल्याने गडचिरोली जिल्ह्यातील आदिवासी विद्यार्थ्यांना याचा नक्कीच फायदा होणार आहे.

## नाळ्यात

### १४ हजारांची लाच घेताना अटक

भागाकडे तक्रार रावती एसीबीचे गायकवाड, अपर सावंत यांच्या ठचे उपअधिक्षक मे रोजी आपल्या ळणी केली होती. रचून बसलेल्या

मुळे यांच्या पथकाने आरोपी चव्हाण याला १४ हजारांची लाच घेताना रंगेहात पकडले. यावेळी पथकातील सुरेंद्र जगदाळे, निलेख पखाले, अनिल राजकुमार, विजय अजमिरे, राहुल गेडाम, राकेश सावसाकळे, चालक सुधाकर कोकेवार यांनी विशेष भूमिका बजावली. लाचखोरीच्या या प्रकरणात मुळे पुसदमध्ये विविध चर्चेला पेव फुटले आहे.

संशोधकांनी यासंबंधीच्या किरकोळ संसर्गातून रोगप्रतिकार क्षमता टिकून धोका कमी होतो. शरीरात त्या अशा प्रकारच्या पेशी विद्यापीठातील सहायक क अली एल्लेबेडी यांचे

घेत आहेत. पण, त्याचे कुटुंबीय त्याच्या सुरक्षेविषयी चिंतेत आहेत. आमची घटनाक्रमावर बारीक नजर आहे', असे ते मंगळवारी वृत्तसंस्थेशी बोलताना म्हणाले. सीबीआयही या वृत्ताची 'औपचारिक' व 'अनौपचारिक' व्यासपीठांकडून पुष्टी करत आहे. ऑटव्गन पोलिसांनी भारतीय प्रमाणवेळेनुसार सोमवारी रात्री चोक्सी बेपत्ता झाल्याचे घोषित केले होते. तपूर्वी, रविवारी त्यांनी त्याचा शोध सुरू केला होता. यासंबंधी त्याचे एक छायाचित्रही निवेदनासोबत जारी करण्यात आले होते. 'पोलीस जॉली हार्बरस्थित ६२ वर्षीय मेहूल चोक्सीच्या बेपत्ता होण्याचा तपास

## विष प्राशन करून इसमाची आत्महत्या

ब्रह्मपुरी (चंद्रपूर) : एका ४० वर्षीय इसमाने आपल्या राहत्या घरी विषारी औषध प्राशन करून आत्महत्या केल्याची घटना रविवारी रात्री ८ वाजताच्या सुमारास पिंपळगाव (भो.) येथे घडली.

सदर इसमाचा दवाखान्यात उपचारादरम्यान सोमवारी मृत्यू झाला. श्रीकांत नकटू मैद (४०) असे मृतकाचे नाव आहे. श्रीकांतने बाथरूममध्ये जाऊन विषारी औषध प्राशन केले. ही बाब कुटुंबीयांच्या लक्षात येताच त्यांनी

त्याला रुग्णालयात भरती केले. परंतु, उपचारादरम्यान त्याचा मृत्यू झाला.

**मध्य रेल्वे**  
ई-निविदा सूचना  
खुली निविदा सूचना क्र. :  
०५-२०२१-एनजीपी-एसएनटी-मिक्स  
वर्सस दिनांकित : २४.०५.२०२१  
कामाचे नाव : नागपूर विभागाच्या विविध अभियांत्रिकी कामांकरिता विविध सिमल गिअर्सचा पुरवठा, स्थापना, चाचणी आणि कार्यान्वयन कार्य. अ. निविदा रक्कम : रु. २०८३८९८३८८/-, ब. इसारा रक्कम : शून्य/-, क. निविदा पुस्तिका किंमत : शून्य, निविदा बंद होण्याची तारीख व वेळ : १८.०६.२०२१ रोजी १५.०० वा. वरील कामाकरिता ऑनलाइन भाग घेणे आणि ई-निविदेकरिता सूचना आणि संपूर्ण तपशील देखेचे संकेतस्थळ [www.ireps.gov.in](http://www.ireps.gov.in) वर उपलब्ध आहे.  
ANJ/01/18 बीआरएस एस अॅण्ड टी, नागपूर  
आरपीएफ सुरक्षा मदनवाहीनी १८२

**वेस्टर्न कोलफिल्ड्स लिमिटेड**  
(कोल इंडिया लिमिटेडची सहाय्यक कंपनी)  
**सूचना**  
वेस्टर्न कोलफिल्ड्सच्या उमरेड क्षेत्रांतर्गत माकरदोकरा १ खुली खान विस्तार प्रकल्प (टप्पा-१) (उत्पादन क्षमता २.० मिलियन टन प्रति वर्ष ते ३.५ मिलियन टन प्रति वर्ष खनन लिस क्षेत्र ६१४.६९ हे.) साठी पर्यावरणीय स्वीकृती, पर्यावरण वन व जलवायू परिवर्तन मंत्रालयाच्या पत्र क्र J-11015/54/2006-IA.11(M) दिनांक 20/05/2021 नी- प्राप्त झाली. पर्यावरणीय स्वीकृती ची प्रत पर्यावरण वन व जलवायू परिवर्तन मंत्रालयाच्या खाली दिलेल्या वेबसाईट वर उपलब्ध आहे :- <http://environmentclearance.nic.in>

**एम्एम्ईबी होल्डिंग कंपनी मर्यादित**  
**जाहिरात क्र. मराविमंयूकंमर्या. ०३/२०२१**  
**संचालक (प्रकल्प), महापारेषण या पदासाठी जाहिरात**  
महाराष्ट्र राज्य विद्युत मंडळ सूत्रधारी कंपनी मर्यादित या कंपनीची उपकंपनी महाराष्ट्र राज्य विद्युत पारेषण कंपनी मर्यादित (महापारेषण) या कंपनीमध्ये संचालक (प्रकल्प) या रिक्त पदासाठी अटी व शर्ती पूर्ण करणाऱ्या उमेदवारांकडून अर्ज मागविण्यात येत आहे.  
संचालक (प्रकल्प) या पदासाठी आवश्यक असलेली शैक्षणिक अर्हता व अनुभव तपशिल, अटी व शर्ती [www.mahatransco.in](http://www.mahatransco.in) या संकेतस्थळावर उपलब्ध आहे.  
इच्छुक उमेदवारांना विनंती करण्यात येते की, त्यांनी वरील संकेतस्थळास भेट द्यावी व आपले परीपूर्ण भरलेले अर्ज विहित नमुन्यात रजिस्टर पोस्ट / कुरिअर / ईमेलद्वारे दिनांक १६.०६.२०२१ पर्यंत जाहिरातीमध्ये नमूद कंपनीच्या पत्त्यावर पाठवावे.  
दिनांक : २५/०५/२०२१ मुख्य महाव्यवस्थापक (मासं), म.रा.वि.मं.सू.कं.मर्या.

**ऑफर पुण्य नगरी ऑफर**  
**APPOINTMENT**  
ऑफर साईज १० X ८ Sq.Cm.  
**आता सवलतीच्या दरात**  
विदर्भ रु. ३५००/-  
मराठवाडा विभाग रु. ३५००/-

**वेस्टर्न कोलफील्ड्स लिमिटेड**  
(कोल इंडिया लिमिटेडची एक अनुषंगी कंपनी)

**सूचना**

वेस्टर्न कोलफील्ड्सच्या उमरेड क्षेत्रातील भव-सोपेकरा-1 सुली कोलसा खान (उत्पादन क्षमता 1.00 मिलियन टन प्रति वर्ष पोसून 2.00 मिलियन टन प्रति वर्ष व एमएल क्षेत्र 660.70 हे) साठी पर्यावरण व वन मंत्रालयाद्वारे पत्र क्रमांक J-11015/54/2006-IA.II (M) दिनांक 26/11/2015 अनुसार पर्यावरण रिपोर्टी दिली आहे. पर्यावरण रिपोर्टीच्या पत्राची प्रत महाराष्ट्र प्रदूषण नियंत्रण मंडल यांच्या कडे उपलब्ध आहे आणि पर्यावरण व वन मंत्रालयाच्या खाती दिलेल्या वेबसाईट वर पाहू शकता - <http://envfor.nic.in>

**जळगाव जिल्हा- वाळू लिलाव (सन २०१५-१६) बाबत जाहीर सूचना**

सन २०१५-२०१६ या कालावधीसाठी जळगाव जिल्ह्यातील एकूण ४४ वाळू मृतागमून गटनिहाय अनुज्ञेय परिभाषातील वाळूच्या उत्खनन व वाहतुकीस राज्य पर्यावरण समितीने त्यांच्या दिनांक ३१/१०/२०१५ च्या बैठकीत प्राथमिक मंजूरी दिलेली आहे व समितीच्या अंतिम मंजूरीस अर्धीन राहून सदर ४४ वाळू गटांच्या लिलाव प्रक्रियेसंदर्भात दिनांक ०१/१२/२०१५ रोजी वृत्तपत्रातून जाहीर निविदा सूचना प्रसिद्ध करण्यात आलेली आहे.

राज्य पर्यावरण समितीच्या दिनांक ८/१२/२०१५ रोजी मुंबई येथे झालेल्या बैठकीत सदर ४४ वाळू गटांना अंतिम परवानगी दिलेली आहे. तरी सदर वाळू गटांच्या लिलावासाठी इच्छुक असलेल्या व्यक्ती अथवा २ रखा यांनी त्याची नोंद घ्यावी.

स्वाक्षरीत/-  
जिल्हाधिकारी, जळगाव

**म.प्र. राज्य लघु व-पेज (व्यापार एवं विकास) सहकारी संघ मर्या.**

खेल परिसर, इंदिरा निकुंज, 74 बंगले, भोपाल-462003 (म.प्र.)  
दूरभाष-2674349, 2760858, फॅक्स-0755-2552628  
ई-मेल : [mdmfpfed@bsnl.in](mailto:mdmfpfed@bsnl.in), Website : [www.mfpfederation.com](http://www.mfpfederation.com)  
अधिसूचना क्रमांक त.प. (2016)-1 भोपाल, दिनांक 30.11.2015

**वर्ष 2016 में मध्यप्रदेश में संग्रहित होने वाले तैदूपत्ते के अग्रिम विक्रय हेतु ऑनलाइन निविदाओं की सूची का सारांश**

(1) आनलाइन निविदाओं का प्रस्तुतिकरण एवं खुलना : निविदाये हेतु निम्न दर्शाई अंतिम तिथियां तक सायकल 3.00 बजे तक केवल ई-प्रोक्यूरमेंट पोर्टल <https://mfpfederation.abcprocure.com> में आनलाइन जमा करा सकता है, जो अंतिम तिथियां को सायकल 3.30 बजे से आनलाइन खोली जावेगी।

निविदा चक्र	Online निविदा प्रारंभ होने की तिथि	Online निविदा प्रस्तुत करने की अंतिम तिथि
प्रथम	26.12.2015	01.01.2016
द्वितीय	15.01.2016	22.01.2016
तृतीय	03.02.2016	10.02.2016

(2) सत्यंकार राशि : क्रय क्षमता की ४ प्रतिशत राशि केवल आनलाइन द्वारा ई-प्रोक्यूरमेंट पोर्टल <https://mfpfederation.abcprocure.com> के माध्यम से।

(3) पंजीयन :

- निविदा हेतु वर्ष 2015 एवं 2016 के लिये तैदूपत्ता के विनिर्माता/व्यापारी का मध्यप्रदेश के किसी वनमंडल (सामान्य) में पंजीयन आवश्यक।
- समस्त इच्छुक निविदाकारों को ई-प्रोक्यूरमेंट पोर्टल <https://mfpfederation.abcprocure.com> पर दिये गये प्रक्रिया अनुसार ई-निविदा में भाग लेने हेतु पंजीकृत होना अनिवार्य है।
- डिजिटल सर्टिफिकेट : निविदाकार को आनलाइन निविदा भरने हेतु तथा ई-प्रोक्यूरमेंट पोर्टल पर आनलाइन पंजीयन करवाने हेतु Digital Signature Certificate उपरोक्त पोर्टल से अथवा किसी अन्य विक्रेता से प्राप्त करना अनिवार्य है।

निविदा हेतु निविदा सूचना मय निविदा फॉर्म, निविदाकार का करारनामा,

**दक्षिण पूर्व मध्य रेल्वे**

**दु च्हीलर पार्किंग स्टैंडकारिता निविदा सूचना**

निविदा सूचना क्र. सीओएम/जी-१४/टी डब्ल्यूपीएम/४ क्लारा/१५/०२ दिनांक : ०२.१२.२०१५

मंडल रेल्वे प्रबंधक (वाणिज्य), रायपूर मंडल भातारान् रायपूर (वायव्य) रायपूर मंडलतील ०५ 'टी' व 'एफ' वर्ग रेल्वे स्टेशनच्या वन चांदी (५ कोटर) पार्किंग स्टैंडकारिता इच्छुक पाठीकडून एवढ्या पाठीकडून पाहिलेले पोलेल्के निविदा मागवीत आहेत.

समाप्ते नाव : रायपूर मंडलतील ०५ 'टी' व 'एफ' वर्ग रेल्वे स्टेशनवर वन चांदी पार्किंग स्टैंडकारिता निविदा.

अ. क्र.	स्टेशनचे नाव	सर्वेक्षण अहवालानुसार एकूण राष्ट्रीय किंमत (रु.त)		धरणाचा रकम सीसी २९/२०१५ नुसार २% द्यावे	निविदा प्रपत्राची किंमत
		प्रथम वर्ष	तीन वर्षासाठी		
१	गारीबा	१३५०१०/-	४५५२३०/-	११२०/-	१०००/-
२	कुमहारी	७८२९३/-	२५११५५/-	५११०/-	१०००/-
३	बोलाद	४०८२२५/-	१३५१५५५/-	२००४०/-	१०००/-
४	मुंडेडाणी	२१८०५/-	७२११३०/-	१४४४०/-	१०००/-
५	लाटवोर	४६१०६/-	१५५४०५/-	३११०/-	१४४०/-

निविदा प्रपत्राची किंमत : २५.१२.२०१५ ते १६.१२.२०१६ पर्यंत निविदा सादर करणे : १२.०१.२०१६ ला १०.०० ते १५.०० वाजेपर्यंत. निविदा उघडणे : १२.०१.२०१६ ला १५.३० वा घडिसा विवरण/निविदा दस्तऐवजाची खरेदी, पात्रता त्रिभूज आणि वॉलव्ह केमाच्या संपूर्ण विवरणाकरिता कृपया घडिड मंडल वाणिज्य प्रबंधक, रायपूर यांच्या कार्यालयात संपर्क करावा किंवा निविदा दस्तऐवज प्राप्तित/डिजिटलई करवित ते आमची वेबसाईट [www.secr.indianrailways.gov.in](http://www.secr.indianrailways.gov.in) वर उपलब्ध आहे.

मंडल रेल्वे प्रबंधक (वाणिज्य), दक्षिण पूर्व मध्य रेल्वे/रायपूर

PRR/DCM/AK/180

**महापारिषद जाहीर सूचना**

(भारतीय विद्युत कायदा, २००३ च्या तरतुदीनुसार)

सर्व लोकाना सूचीत करण्यात येते की, २२० के.व्ही. दाबाची अमरावती-बडनेरा वाहिनी ३१.१६५ कि.मी. लांबीची असून एकूण ९८ मंनारे वरून दुहेरी तारा ओढण्याचे काम पूर्ण झाले असून सदरहू दुहेरी वाहिनी कार्यान्वीत करण्याच्या दुहेरीकोनातून सर्व बाबींची परिपूर्ता करून दि. ०९-१२-२०१५ नंतर केव्हाही कार्यान्वीत करण्यात येईल. सदरहू वाहिनी चांगापूर, कामुजा, नरसिंगपूर, भगवानपूर, भारतपूर, यावली शहीद, कठोरा गांधी, सालोरा खेड, आमला, बलगाव, पुसदा, नाट्टा बु, कष्णापूर, सरमस्ताबाद, माहली जहागीर, धूगाव, खानापूर, टेंबला, दोनाड, ओझरखेडा, डवरागाव इत्यादी गावांच्या शिवायतून जात आहे.

सर्व नागरी वाना ह्या जाहीर सूचनाद्वारे सूचीत करण्यात येत आहे की, कृपया त्यांनी ह्या मनोऱ्यावर चढू नये. मनो यांना तसेच तणावाना गुरे-दारे बांधू नयेत. तसेच ताराचे खालून उच शिडी, बांध, सळ्या वगैरे वस्तूची ने-आण करू नये. असे करणे धोक्याचे ठरणारे आहे. जाहीर सूचनाचे पालन न केल्यास झालेल्या नुकसातीस/ अपघातास महाराष्ट्र राज्य विज पारिषद कंपनी जबाबदार राहणार नाही याची कृपया नोंद घ्यावी.

कार्यकारी अभियंता  
अउदा.बांधकाम विभाग, म.रा.वि.पारिषद कंपनी मर्या, अमरावती

**LABOUR DEPARTMENT**  
Maharashtra Building and Other Construction Workers' Welfare Board, Mumbai

**NOTICE INVITING TENDERS**

On behalf of Maharashtra Building & Other Construction Workers' Welfare Board, Mumbai, the Secretary invites e-Tenders for "Office Space on Rent" for the Maharashtra Building and Other Construction Workers' Welfare Board, Mumbai.

The Bidder has to use two envelope (Technical Bid and Commercial Bid) method through E-Tendering in order to fill up a Tender. This tender is being published on website: [mahatenders.gov.in](http://mahatenders.gov.in)

Please note that the interested parties will have to access the website [mahatenders.gov.in](http://mahatenders.gov.in) and get themselves registered so as to enable them to participate in the e-Tendering process before due date.

**Schedule of Tender**

Downloading e-Tender Forms	From 08.12.2015 Time : 12.00 noon.
Pre-Bid Meeting Address:-	Date : 14.12.2015 Time : 3.00 pm Maharashtra Building and other Construction Workers' Welfare Board O/o The Commissioner of Labour.

1-OKMAT - 09-12-2015

# ing of onion lls to Rs 10/kg

other.  
below which no  
restricts exports  
estic supply. In  
to the Union  
y. Maharashtra  
handed removal  
ourage exports.  
protects interest  
for Agriculture  
9,097 tonnes of  
August this year  
did not take place  
onwards after  
P to USD 700 a  
aid.  
s are falling as  
all of a sudden  
ough area sown

for 2015 kharif onion is down and output is also estimated to be slightly lower than last year, the Nasik-based body NHRDF said.

According to the data maintained by the National Horticultural Research and Development Foundation (NHRDF), wholesale onion prices are ruling at Rs 10-14 per kg at Lasalgaon in Maharashtra, Asia's biggest wholesale market for onion, much lower than its peak Rs 57 per kg in August.

Asked if onion farmers are incurring losses due to fall in prices, NHRDF Director R.P. Gupta said, "Farmers are still getting the price slightly higher than the cost of production of Rs 8-9 per kg. But their profit margin has come down sharply compared with previous months."

**YOUTH HELD FOR OBSCENE BEHAVIOUR:** A 20-year-old was arrested on Tuesday for allegedly misbehaving with a girl at a movie theatre in suburban Goregaon, police said. The alleged incident had occurred on Sunday night when the accused, Rehman Sheikh made some obscene gestures in front of the girl when she was watching a movie, according to the police. (PTI)



## e-TENDER NOTICE

Airports Authority of India invites item rate e-tenders for the work of "Construction of Home for Senior Citizens under CSR Programme at Mana Camp near S.V. Airport, Raipur." Estimated cost: Rs. 209.78 lacs. & Completion Period: 9 Months. Last date and time of sale of e-tender document is 21.12.2015 upto 17:30 Hrs. For further details refer AAI website: [www.aai.aero](http://www.aai.aero) and [www.airportsindia.org.in](http://www.airportsindia.org.in) Further clarification/ corrigendum in this regard if any will be uploaded only on AAI website/e-tender portal.

## CENTRAL RAILWAY

**Track Maintenance Work at L-Xing No. 27/C Km-721/200-300 (Connecting Morshi-Chandurbazar Road)**

Level Crossing No. 27/C Km-721/200-300 (Morshi-Chandurbazar Road) will remain closed for road traffic from 09.12.2015 to 10.12.2015 between 08.00 hrs to 18.00 hrs daily. Road Traffic will be diverted towards L-Xing No. 26 (Kheda Phata) Via Vishnora and Lehgaon Village. We regret for the inconvenience caused to all road users.

229/GM/103 ADEN (N) Nagpur  
Dial 138 for Rail-related Suggestions/Complaints

## CENTRAL RAILWAY

**TENDER NOTICE No. DRM(W)Bhusawal/68/2015 (ENGG.) OPEN TENDER**

The Divisional Railway Manager (Works), Central Railway, Bhusawal, for and on behalf of the President of India, invites sealed open tenders from the eligible tenderers for the following works: (1) Name of work: Bhusawal Division - Assistant Divisional Engineer Khandwa Sub-Division - Hiring of Vehicle (Non-A.C.): MUV Tavera/Toyota/Qualls/Mahindra Scorpio/Sumo/Chevrolet make or Similar (Minimum 7 Seater). (i) Approx. Cost: ₹ 7,67,800/- (ii) Earnest Money: ₹ 15,360/- (2) Name of work: (i) Akola - Heavy repairs to damaged AC sheet of COP & FOB by providing P.P.G.I. sheets and repairs to valley gutters. (ii) Senior Divisional Engineer (East) Bhusawal Section - Provision of small shed with seating arrangement for E category Stations (Size of 1 shed = 3x4.5 m, Total Nos. required = 78). (i) Approx. Cost: ₹ 89,02,800/- (ii) Earnest

# alies in ment

appellant (Salman)... He found smell of alcohol in his breath. Later, he drew his blood sample and put it in two vials, which was sealed by the ward boy. He had drawn 6 ml of blood and has put it in each of them, ultimately

## Western Coalfields Limited

### NOTICE

Environmental Clearance has been accorded for Makardhokra-I OCP (from 1.00 MTPA to 2.00 MTPA in ML area of 660.70 ha) under Umrer Area of M/s Western Coalfields Limited, by Ministry of Environment & Forests vide letter no. J-11015/54/2006-IA-II (M) dated 26/11/2015 and a copy of the clearance letter is available with the Maharashtra Pollution Control Board and may also be seen of website of the Ministry of Environment & Forests (MOEF) at <http://envfor.nic.in>

विदर्भ पाटबंधारे विकास महामंडळ, नागपूर  
(महाराष्ट्र शासनाचा अंगीकृत उपक्रम)



"Under Jurisdiction of Nagpur Court Only"  
वेस्टर्न कोलफील्ड्स लिमिटेड  
**WESTERN COALFIELDS LIMITED**  
(A Govt. of India undertaking)  
Website: <http://westerncoal.nic.in>.

**OFFICE OF THE MINE MANAGER**  
**MAKARDHOKADA- 1 OCM**  
**UMRER AREA**  
**PO. UMRER PROJECT,**  
**PS. UMRER,**  
**DISTT. NAGPUR [MS] – 441204**

कार्या : कोल ईस्टेट, सिव्हील लाईन, नागपुर – 440 001

Redg. Office: Coal Estate, Civil Line, Nagpur – 440 001

Ref. No. WCL: UA: SAM: MKD-I: 2022: 333 .

Date: - 22.04.2022

प्रति,  
सरपंच/सचिव  
गट ग्राम पंचायत, शिरपुर/कानव्हा  
पंचायत समिती, उमरेड.

विषय:- 42 L Te. कोयला उत्पादन करणे हेतु।

महोदय,

वर्ष 2022-23 मे Ministry of Environment, Forest & Climate Change Impact Assessment Division के अंतर्गत मकरधोकडा-1 खुली खदान, उमरेर क्षेत्र को 42 L.Te. कोयला उत्पादन करणे हेतु पर्यावरण मंजूरी मिली है। आपको यह जानकारी दि जाती है।

सलंगन:- पर्यावरण मंजूरी प्रत

धन्यवाद,

खान प्रबंधक  
मकरधोकडा-1 खुली खदान

प्रतिलिपी:-

✓ 1. कार्यालयीन प्रत.

O.C

सचिव  
गट ग्राम पंचायत शिरपुर  
पंचायत समिती उमरेड



WESTERN COALFIELDS LIMITED  
OFFICE OF THE SUB AREA MANAGER  
CIVIL ENGINEERING DEPARTMENT  
MAKARDHOKDA SUB AREA  
UMRER AREA  
POST:UMRER, DIST:NAGPUR 491202

Ref: WCL.SAM.MKD.Sub Office/2015/517

14/12/15

TO.

The Sarpanch/Secretary,  
Gram panchayate, Sirpur,  
PO: Sirpur, Tah: Umrer,  
Dist : NAGPUR.

Recd/VB

**Sub :-** Expansion under 7(ii) of EIA Notification, 2006 of Makardhokda-I Open Cast Mine Project from 1MTPA in a lease area 660.70 ha located in District Nagpur (Maharashtra) of M/s Western Coalfield Ltd-Environmental Clearance-reg.

Dear Sir,

Ministry of Environment, forest & climate change, Govt of India has granted the environment clearance for expansion of Makardhokda-I open cast coal mine project of WCL, Umrer Area from 1MTPA to 2 MTPA. The copy of environment clearance report is enclosed herewith.

This is for your information please

Encls :- As above

Your's Faithfully,

Sub Area Manager,  
Makardhokda Sub Area.

Copy to:-

1. Area General Manager, Umrer Area. } for kind information
2. Area Nodal Officer(Env), Umrer Area.
3. Nodal Officer(Env), MKD Sub Area.

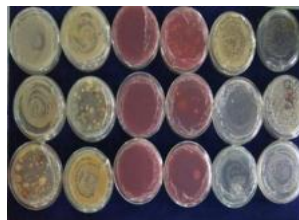
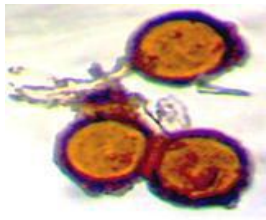
  
सचिव  
ग्राम पंचायत, शिरपूर

**ECOLOGICAL STUDY OF UMRER OPEN CAST COAL MINE, UMRER AREA, NAGPUR DISTRICT, MAHARASHTRA**

**For**



**Western Coalfields Limited  
A Miniratna Company  
(A Subsidiary of Coal India Limited)**



**Submitted By**



**ENVIRONMENT MANAGEMENT DIVISION**

**Directorate of Extension**

**Indian Council of Forestry Research and Education**

*(An Autonomous Body of Ministry of Environment, Forest and Climate Change, GoI)*

**Dehradun-248006 (Uttarakhand) India**

**[www.icfre.gov.in](http://www.icfre.gov.in)**

**TEAM OF EXPERTS FROM ICFRE, DEHRADUN**

<b>Sl.No</b>	<b>Name &amp; Designation of the Team Member</b>	<b>Domain of Expertise and Area of Contribution</b>
<b>Indian Council of Forestry Research and Education, Dehradun Expert Group</b>		
1	Dr. Sudhir Kumar, Deputy Director General (Extension), ICFRE	Environment Management and finalization of report
2	Dr. A. N. Singh, Assistant Director General (EM), ICFRE	Environment Management, Coordination and finalization of draft report
3	Dr. Vishavjit Kumar, Scientist – E, EM Division, ICFRE	Compilation, synthesis and finalization of the report
4	Sh. Rajkumar, Scientist – D, TFRI, Jabalpur	Faunal Biodiversity
5	Sh. Chandra Sharma, Scientist – C, EM Division, ICFRE	Environment Management
6	Dr. Abhishek Verma, Scientist – B, FRI, Dehradun	Floral Biodiversity
7	Sh. Anish V. Pachu, CTO, IFGTB, Coimbatore	Aquatic Biodiversity and ecology
<b>Domain Experts</b>		
8	Dr. V. Mohan, Ex Scientist G, ICFRE	Soil Microbial ecology
9	Dr. P. B. Meshram, Ex Scientist G, ICFRE	Faunal Biodiversity
10	Shri Avinash Kumar	AutoCAD And GIS
<b>Project Staff, Environment management Division, ICFRE, Dehradun</b>		
11	Shri S. K. Kamboj, Junior Project Consultant	Vegetation survey
12	Dr. Anita Chauhan, Project Associate	Assistance in computation and finalization of the report

**Authorities of WCL and Umrer OC Mine who helped during course of study**

<b>Sl.No</b>	<b>Name</b>	<b>Designation</b>
1	Shri Kaushik Chakraborty	General Manager (Mining)/HOD, Environment, WCL HQ
2	Shri Diwakar Gokhale	Area General Manager (Mining), Umrer Area
3	Shri Rajendra Shelke	Chief Manager (Mining)/ Environment, WCL Umrer Area
4	Shri Sumit Yeotkar	Deputy Manager (Environment), Umrer Area
5	Shri Ravindra Singh	Deputy Manager (Survey), Umrer Area
6	Shri Amol Badukule	Deputy Manager (Env), WCL HQ
7	Smt Ashija K.	Assistant Manager (Environment), Umrer Area
8	Shri Ghanshyam Pandit	Chief Draftman, Umrer Area

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## Abbreviations

AM	Arbuscular Mycorrhiza
ASPT	Average Score Per taxon
BMWP	Biological Monitoring Working Party
CGWA	Central Ground Water Authority
CIL	Coal India Limited
CPCB	Central Pollution Control Board
Cr.	Crores
CSR	Corporate Social Responsibility
CTO	Consent To Operate
Cum/t	Cubic meter per ton
DGMS	Directorate General of Mines Safety
EC	Environment Clearance
EC	Electrical Conductivity
EIA	Environment Impact assessment
EMP	Environment Management Plan
FAC	Forest Appraisal Committee
FC	Forest Clearance
FMCP	Final Mine Closure Plan
GIS	Geographic Information System
GoI	Government of India
ha	Hectares
HEMM	Heavy Earth Moving Machineries
ICFRE	Indian Council of Forestry Research and Education
IVI	Importance Value Index
km	Kilometer
LULC	Land Use Land Cover
MCum	Million Cubic meter
ML	Mine Lease
MLA	Mine Lease Area
Mm <sup>3</sup>	Million cubic meter
MoEF&CC	Ministry of Environment Forest and Climate Change
MoU	Memorandum of Understanding
MP	Mining Plan
MTPA	Million Tonne Per Annum
MWQI	Macroinvertebrate Water Quality Index
OB	Over Burden
OCM	Opencast Mine
OCP	Opencast Project
ToR	Terms of Reference
TPD	Tonnes Per Day
VAM	Vesicular Arbuscular Mycorrhiza
WCL	Western Coalfield Limited

## CHAPTER - 1 INTRODUCTION

---

### 1.1 BACKGROUND

The Western Coalfields Limited (WCL) is a subsidiary of Coal India Limited (CIL) with HQ at Nagpur, Maharashtra. WCL is one of the premier coal producing company catering to the energy needs of Central and Western India. The company caters to a variety of consumers in the organized and non-organized sector. It has mining operation spread over Nagpur, Chandrapur and Yavatmal districts of Maharashtra state and Betul and Chhindawara districts of Madhya Pradesh state. The company is among the major suppliers of coal to the industries located in the states of Maharashtra, Madhya Pradesh, Gujarat, Andhra Pradesh, Tamil Nadu, Karnataka and Kerala. The Thermal Power Plants in Maharashtra, Madhya Pradesh, Gujarat, Karnataka, Punjab and Uttar Pradesh are major consumers of its coal besides cement, steel, chemical, fertilizer, paper and brick Industries.

In compliance to the EC conditions put forth by MoEF&CC for this mine, various works related to ecological restoration of coal mining area have been executed by the WCL from time to time. In order to know the ecological status of the coal mining area, WCL intended for an ecological study *wrt* to its coal mine. Therefore, in the light of MoU signed between Coal India Limited (CIL), Kolkota and the Indian Council of Forestry Research and Education (ICFRE), Dehradun, the General Manager (Env.), WCL *vide* its email dated 25.11.2020 requested the ICFRE, Dehradun for submission of a proposal for ecological study of Umrer and Niljai OC coal mines located in the state of Maharashtra (Annexure 1.1). Accordingly, the ICFRE, Dehradun submitted a proposal to this effect *vide* its office email dated 17.12.2020 to the General Manager, WCL (Annexure 1.2). Thereafter, the WCL, awarded the assignment to the ICFRE, Dehradun *vide* its letter No. वेकोलि/मुख्यालय/पयावरण/16-Q/10 dated 05.02.2021 (Annexure 1.3) for conduct of the said study. Further, the study period was extended upto June, 2022 (Annexure 1.4). With this background, ICFRE has carried out ecological study with following objective and scope of works. Present report deals only with Umrer OC coal mine of WCL.

### 1.2 OBJECTIVE

To conduct ecological studies *wrt*. Umrer OC coal mine of WCL in the state of Maharashtra.

### 1.3 SCOPE OF WORK

- i. Delineation and characterization of the mine lease landscape for ecological study.
- ii. Assessment of plantations at biologically reclaimed areas (like external and internal dumps and backfilled areas), greenbelts and other afforestation sites for survival and growth attributes.
- iii. Biodiversity (terrestrial floral and faunal groups) enrichment study in reclaimed areas, green belts, avenue plantation and other afforestation sites.
- iv. Biodiversity study in natural vegetation in unbroken area, if any, in the mine lease.

- v. Aquatic diversity study in natural drainage and sumps (water bodies), if any, in the mine lease and it's surrounding.
- vi. Study on soil nutrient and soil microorganisms from the biologically reclaimed sites.
- vii. Study on efficacy of mitigation measures implemented for reclamation of mined area.
- viii. Study on the impact of reclamation on the management of soil erosion and water quality from the mine lease.
- ix. Recommendation for further improvement in the ecology of the mining area.

#### **1.4 LIMITATION**

The report has been prepared with the constraints of lack of information/details on species wise plantation in different years and at different sites.

#### **1.5 STRUCTURE OF THE REPORT**

The ecological study report is structured into five chapters as follows:

Chapter-1. Introduction

Chapter-2. Profile of Study Area

Chapter-3. Approach and Methodology

Chapter-4. Ecological Status of Reclaimed Areas

Chapter- 5. Conclusions and Recommendations

## CHAPTER-5

### CONCLUSIONS AND RECOMMENDATIONS

This chapter summarizes the conclusions drawn and recommendations made for further improvement in the ecology of the mining area based on findings as presented in Chapter 4.

#### 5.1 IMPROVEMENT IN ECOLOGY AND BIODIVERSITY

- The efforts made from the project have resulted in the enrichment in terrestrial floral and faunal diversity and improvement in overall ecology of the reclaimed areas.
- The gap filling in the existing plantations may be carried out with 1.5 to 2 years old, tall and healthy seedlings of native species.
- Roots of seedlings of suggested species for plantation may be fortified with biofertilizer's inoculants (Vesicular Arbuscular Mycorrhizae (VAM fungi), *Azospirillum*, Phosphobacterium, *Rbizobium*, etc) and bio-control agents (*Trichoderma viride*, *T. harzianum*, *Pseudomonas fluorescence*, *Bacillus megaterium*, *B. velezensis*, etc.) for better establishment and growth.

#### 5.2 SPECIES FOR PLANTATION

In order to address the issue of eco-restoration, biodiversity, habitat improvement for wildlife, soil and moisture conservation in true sense, apart from species planted in the ML as biological reclamation measures, following other species of tree, shrub, herb and grasses may also be considered for plantation (Table 5.1).

**Table 5.1: List of plant species suggested for plantation and control of soil erosion**

SN	Trees	Shrubs	Herbs	Grasses
1	<i>Acacia leucophloea</i>	<i>Cassia auriculata</i>	<i>Cajanus scarabaeoides</i>	<i>Apluda mutica</i>
2	<i>Acacia pinnata</i>	<i>Indigofera cassioides</i>	<i>Cassia occidentalis</i>	<i>Aristida setacea</i>
3	<i>Dalbergia latifolia</i>	<i>Dodonaea viscosa</i>	<i>Crotalaria juncea</i>	<i>Cymbopogon flexuosus</i>
4	<i>Diospyros melanoxylon</i>	<i>Indigofera cassioides</i>	<i>Crotalaria verrucosa</i>	<i>Cynodon dactylon</i>
5	<i>Cassia fistula</i>	<i>Capparis zeylanica</i>	<i>Mimosa pudica</i>	<i>Dactyloctenium aegyptium</i>
6	<i>Trema orientalis</i>	<i>Alternanthera ficoidea</i>	<i>Stylosanthes hamata</i>	<i>Eragrostis viscosa</i>
7	<i>Butea monosperma</i>	<i>Capparis seiparia</i>	<i>Stylosanthes fruticosa</i>	<i>Eulaliopsis binata</i>
8	<i>Cassia siamea</i>	<i>Woodfordia fruticosa</i>	<i>Tephrosia purpurea</i>	<i>Heteropogon contortus</i>
9	<i>Cordia myxa</i>	--	--	<i>Saccharum spontaneum</i>
10	<i>Dalbergia paniculata</i>	--	--	<i>Vetiveria zizanioides</i>
11	<i>Flueggea leucopyrus</i>	--	--	<i>Cenchrus ciliaris</i>
12	<i>Mitragyna parvifolia</i>	--	--	<i>Setaria glauca</i>
13	<i>Ziziphus mauritiana</i>	--	--	<i>Dichanthium annulatum</i>
14	<i>Glaricidia sepium</i>	--	--	<i>Eragrostis pilosa</i>

### **5.3 PROTECTION AND IMPROVEMENT IN PLANTATIONS**

Survival and growth performance of plantation has been observed to be affected by livestock grazing, fire, insect pest and diseases and anthropogenic interference. Therefore:

- It is suggested that livestock grazing should be controlled in plantations. Mechanism should also be in place to protect the plantations from fire and anthropogenic pressures.
- Sites susceptible to soil borne and insect pest and disease incidences should be mapped and raising of plantation on such sites should be taken up after proper treatment for their control.
- Mulching of locally available leaf litter/ grasses etc. is suggested especially in young plantations at onset of monsoon season for enhanced moisture retention.
- Cultural operations during maintenance of young plantations and post maintenance period of old plantations should be done as per prescription. Appropriate methods should be adopted to avoid the spread of invasive species such as *Prosopis juliflora*, *Leucaena leucocephala*, *Lantana camara*, *Eupatorium odorata*, *Parthenium hysterophorus* in the biologically reclaimed area and other area within ML.

### **5.4 MONITORING AND EVALUATION OF ECO-RESTORATION WORKS**

Third party monitoring and evaluation of eco-restoration works may be carried out once in three years from the reputed scientific organization/institute for knowing the results/status of efforts made by project proponent and mid-term corrections required, if any.

### **5.5 MAINTENANCE OF RECORD OF RECLAMATION WORK**

Proper documentation of various physical activities along with timeline and expenditure incurred, plantation journals with species and planting time related to reclamation / bio-reclamation of the mine need to be carried out for easy reference. Likewise, a reporting mechanism on field inspection by higher mine authorities on the implementation of eco-restoration works in line with EC compliance condition will help in the overall improvement in the ecology of the area.

केवल नागपुर न्यायालय के क्षेत्राधिकार के अंतर्गत

Under Jurisdiction of Nagpur Court only

**वेस्टर्न कोलफील्ड्स लिमिटेड/ Western Coalfields Limited**

मिनीरल कंपनी (A Miniratna Company)

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

CIN-U10100MH1975GO1018626

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दिनांक: 10.03.2026

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**विषय:** Action Taken Report / Status of Compliance - Environmental Clearance - Expansion of Makardhokra-I OC mine (Phase-I) - Specific Condition no. 1.4 reg.

**संदर्भ:** 1. ATR/ Status of Compliance submitted vide letter dated 07.05.2024, 03.08.2024, 19.11.2024, 27.02.2025, 15.04.2025 and 28.08.2025 and 11-12-2025.

2. Environmental Clearance no. J-11015/54/2006-IA-II (M) dated 08.02.2024.

Sir,

In continuation to our earlier letters dated 07.05.2024, 03.08.2024, 19.11.2024, 27.02.2025, 15.04.2025, 15.04.2025, 28.08.2025 and 11-12-2025 regarding status of compliance/ ATR of EC condition (Specific condition 1.4) of Makardhokra-I OC mine (Phase-I) granted by MoEF & CC vide letter dated 08.02.2024.

The relevant portion of Specific condition no. 1.4 of aforesaid EC letter is quoted below:

**Quote**

PP should submit quarterly progressive report to IRO, MoEF & CC w.r.t the in-pit Belt conveyor system with CHP and Silo loading system.

**Unquote**

In this regard, the updated status of compliance / ATR as on 1-03-2026 is placed below:

S.No	Activity	Status
1.	Floating/ publishing of Tender	Floated vide Notice no. wcl-hq-gmciv-e05-2023-24/360 Date: 15.09.2023.
2.	Issuance of W.O/LOA	LOA with work value of Rs. 127.06 Crores issued to M/s. Black Diamond Equipments Pvt. Ltd. (BDEPL) vide dated 14.02.2024. A copy of LOA enclosed as Annexure- A.

केवल नागपुर न्यायालय के क्षेत्राधिकार के अंतर्गत



# वेस्टर्न कोलफील्ड्स लिमिटेड/ Western Coalfields Limited

मिनीरत्न कंपनी (A Miniratna Company)

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

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प्रति,

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Civil Lines, Nagpur - 440001 (M.S.)

**विषय:** Action Taken Report / Status of Compliance - Environmental Clearance - Expansion of Makardhokra-I OC mine (Phase-I) - Specific Condition no. 1.4 reg.

**संदर्भ:** 1. ATR/ Status of Compliance submitted vide letter dated 07.05.2024, 03.08.2024, 19.11.2024, 27.02.2025, 15.04.2025 and 28.08.2025.

2. Environmental Clearance no. J-11015/54/2006-IA-II (M) dated 08.02.2024.

Sir,

In continuation to our earlier letters dated 07.05.2024, 03.08.2024, 19.11.2024 and 27.02.2025, 15.04.2025, 15.04.2025 and 28.08.2025 regarding status of compliance/ ATR of EC condition (Specific condition 1.4) of Makardhokra-I OC mine (Phase-I) granted by MoEF & CC vide letter dated 08.02.2024.

The relevant portion of Specific condition no. 1.4 of aforesaid EC letter is quoted below:

**Quote**

PP should submit quarterly progressive report to IRO, MoEF & CC w.r.t the in-pit Belt conveyor system with CHP and Silo loading system.

**Unquote**

In this regard, the updated status of compliance / ATR is placed below:

S.No	Activity	Status
1.	Floating/ publishing of Tender	Floated vide Notice no. wcl-hq-gmciv-e05-2023-24/360 Date: 15.09.2023.
2.	Issuance of W.O/LOA	LOA with work value of Rs. 127.06 Crores issued to M/s. Black Diamond Equipments Pvt. Ltd. (BDEPL) vide dated 14.02.2024. A copy of LOA enclosed as Annexure- A.



**वेस्टर्न कोलफील्ड्स लिमिटेड/ Western Coalfields Limited**

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WCL, Umrer Area, PO: Umrer, Dist.: Nagpur, MS, PIN: 441204  
Phone: 07116-247666, 07116-247035

संदर्भ सं: वे.को.लि./ उमरेर उप क्षेत्र /2025-26/1 4 3

दिनांक: 28.08.2025

प्रति,  
**The Deputy Director General of Forest (C),**  
Ministry of Environment, Forest and Climate Change,  
Regional Office,  
Ground Floor, East Wing  
New Secretariat Building,  
Civil Lines, Nagpur - 440001 (M.S.)

विषय: **Action Taken Report / Status of Compliance - Environmental Clearance - Expansion of Makardhokra-I OC mine (Phase-I) - Specific Condition no. 1.4 reg.**

संदर्भ: 1. ATR/ Status of Compliance submitted vide letter dated 07.05.2024, 03.08.2024, 19.11.2024, 27.02.2025 and 07.05.2025.

2. Environmental Clearance no. J-11015/54/2006-IA-II (M) dated 08.02.2024.

Sir,

In continuation to our earlier letters dated 07.05.2024, 03.08.2024, 19.11.2024 and 27.02.2025 regarding status of compliance/ ATR of EC condition (Specific condition 1.4) of Makardhokra-I OC mine (Phase-I) granted by MoEF & CC vide letter dated 08.02.2024.

The relevant portion of Specific condition no. 1.4 of aforesaid EC letter is quoted below:

**Quote**

PP should submit quarterly progressive report to IRO, MoEF&CC w.r.t the in-pit Belt conveyor system with CHP and Silo loading system.

**Unquote**

In this regard, the updated status of compliance / ATR is placed below:

S.No	Activity	Status
1.	Floating/ publishing of Tender	Floated vide Notice no. wcl-hq-gmciv-e05-2023-24/360 Date: 15.09.2023.
2.	Issuance of W.O/LOA	LOA with work value of Rs. 127.06 Crores issued to M/s. Black Diamond Equipments Pvt. Ltd. (BDEPL) vide dated 14.02.2024. A copy of LOA enclosed as Annexure- A.

1/5





## वेस्टर्न कोलफील्ड्स लिमिटेड/ Western Coalfields Limited

मिनीरत्न कंपनी (A Miniratna Company)

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

CIN-U10100MH1975GO1018626



### उपक्षेत्रिय प्रबंधक कार्यालय, उमरेर उप क्षेत्र

पता.लि.को.वे.: उमरेर क्षेत्र, जिलानागपुर., महाराष्ट्र, पिन 441204 :

Email: [managemkd1@gmail.com](mailto:managemkd1@gmail.com)

### Office of Sub Area Manager, Umrer Sub Area

WCL, Umrer Area, PO: Umrer, Dist.: Nagpur, MS, PIN: 441204

Fax: 07116-247374, Phone: 07116-247666, 07116-247035

संदर्भ सं: वे.को.लि/ उमरेर उप क्षेत्र /2024-25/ 455

दिनांक: 07/05/2024

प्रति,

### The Deputy Director General of Forest (C),

Ministry of Environment, Forest and Climate Change,

Integrated Regional Office

Ground Floor, East Wing

New Secretariat Building,

Civil Lines, Nagpur - 440001 (M.S.)

विषय: Action Taken Report / **Status of Compliance - Environmental Clearance - Expansion of Makardhokra-I OC mine (Phase-I) - Specific Condition no. 1.4 reg.**

संदर्भ: **Environmental Clearance no. J-11015/54/2006-IA-II (M) dated 08/02/2024**

Sir,

This has reference to the aforesaid Environmental Clearance granted by MOEF&CC to Expansion of Makardhokra-I OC mine (Phase-I) for production capacity of 4.20 MTPA, a copy of which is enclosed herewith for your kind reference.

In this regard your kind attention is drawn to Specific Condition no. 1.4, which stipulates as below:

### Quote

PP should submit quarterly progressive report to IRO, MoEF&CC w.r.t the in-pit Belt conveyor system with CHP and Silo loading system.

### Unquote

In this regard, following is submitted for kind perusal:

Tendering process for Commissioning and Operation of Belt Conveyor System was completed and work is awarded to M/s Black Diamond Equipments Private Limited (BDEPL ACBIL ALPA JV), Korba, Chhattishgarh vide ref. no. नाग/ वेकोलि/ सिविल/ कायदेश/ 2023-24/ 133 dtd. 14/02/2024. (Copy enclosed for reference)

Plantation Distribution





## उपवनसंरक्षक, सामाजिक वनीकरण, नागपूर यांचे कार्यालय.

नविन प्रशासकीय इमारत, वनभवन झिरो मॉडेल, पहिला माळा खोली क्रमांक १०९, ११० नागपूर- ४४०००१ दूरध्वनी क्रमांक 0712-2970593  
Office of The Deputy Conservator of Forests, Social Forestry Circle, Nagpur  
New Administrative Building, Vanbhavan, Zero Miles, 1st Floor Room no.109,110 Nagpur-440001 Phone - 0712-2970593  
E-mail jds@nagpur@gmail.com/ds@nagpur@mahaforest.gov.in

जावक क्रमांक- कक्ष-5/योजना/प्र.क्र./ 2025-26/ 683

नागपूर, दिनांक २०/02/2026.

प्रति,

प्रधान मुख्य वनसंरक्षक  
(सामाजिक वनीकरण),  
महाराष्ट्र राज्य, पुणे.

विषय :- वेस्टर्न कोलफील्ड लिमिटेड क्षेत्र यांचेद्वारे वार्षिक 50000 फळ झाडांची रोपे वाटप करण्याकरीता परवानगी मिळणेबाबत.

संदर्भ :- विभागी वन अधिकारी, सामाजिक वनीकरण, नागपूर यांचेकडील पत्र क्र. कक्ष/योजना/साववि/2025-26/702, दिनांक 13/02/2026.

विषयवर्तित प्रकरणी संदर्भिय पत्राचे अनुषंगाने आपणास कळविण्यात येते की, WCL क्षेत्र नोडल अधिकारी (पर्यावरण) आणि विभागीय वन अधिकारी, सामाजिक वनीकरण, नागपूर यांच्या दिनांक 02/01/2026 रोजी झालेल्या बैठकीच्या संदर्भात तसेच पर्यावरण मंजूरी (EC) अटी नुसार मकरधोकडा-1 ओसी खान परिसरात आणि आसपासच्या हरित आच्छादनात वाढ करण्यासाठी पुढील 5 वर्षामध्ये शेतक-यांना 50,000 नग 4 ते 5 फूट उच्च फळझाडांची रोपे वाटप करणे आवश्यक असल्याने त्या अनुषंगाने नागपूर सामाजिक वनीकरण विभागांतर्गत रोपे वाट करण्याकरीता आवश्यक निधी मागणी प्रस्ताव सादर करणेबाबत कळविण्यात आले आहे.

सन 2026 च्या पावसाळ्यात रोपांचे सुरळीत वाटप करता येईल, या दृष्टीने विभागीय स्तरावर 50,000 नग 4 ते 5 फूट उच्च फळझाडांची रोपे उपलब्ध होणार नाहीत. त्यामुळे सन 2026 पावसाळ्यात रोपे खरेदी करून शेतकरी लाभार्थी यांना वाटप करता येईल, व त्यानंतर सन 2027 पावसाळ्यात रोपांची निर्मिती करण्याकरीता रोपवाटीका अंदाजपत्रक तयार करून रोप निर्मिती करून रोपे वाटप करता येईल. तरी याबाबत विभागीय वन अधिकारी, सामाजिक वनीकरण, नागपूर यांनी WCL यांचे सोबत करारनामा करून पुढील कार्यवाही करण्याकरीता परवानगी मागितली आहे.

मकरधोकडा-1 ओसी खान परिसरात आणि आसपासच्या हरित आच्छादनात वाढ करण्यासाठी विभागीय वन अधिकारी, सामाजिक वनीकरण, नागपूर यांना WCL यांचे सोबत करारनामा करण्याकरीता परवानगी देण्याबाबत या कार्यालयाची काहीच हरकत नाही. तरी त्यांना परवानगी देण्याबाबत विनंती करण्यात येत आहे.

सहपत्र:- वरील प्रमाणे.

(पद्मनाभा एच.एस.)

उपवनसंरक्षक

सामाजिक वनीकरण, नागपूर.

प्रतिलिपी :- विभागीय वन अधिकारी, सामाजिक वनीकरण, नागपूर यांना माहितीकरीता अग्रेषित.



महाराष्ट्र शासन  
वन विभाग

विभागीय वन अधिकारी, सामाजिक वनीकरण, नागपुर यांचे कार्यालय  
'वनभवन' नविन प्रशासकिय इमारत, शासकीय मुद्रणालया जवळ, सिव्हील लाईन, नागपुर 440001  
Phone. No. 0712-2532403 Email id - ddsfdnagpur@gmail.com

क्रमांक :- कक्ष-योजना /साववि/2025-26/ 702

दिनांक:- 13/02/2026

प्रति,

उपवनसंरक्षक,  
सामाजिक वनीकरण, नागपुर

विषय:- वे.को.लि.उमरेड क्षेत्र यांचेद्वारे वार्षिक 50 हजार फळझाडांची रोपे वाटप करणे करीता परवानगी मिळणे बाबत.

- संदर्भ :- 1. क्षेत्रीय महाप्रबंधक, उमरेड क्षेत्र यांचे पत्र क्रमांक वेकोली/उमरेड/2025-26/895 दिनांक 13.08.2025  
2. क्षेत्रीय महाप्रबंधक, उमरेड क्षेत्र यांचे पत्र क्रमांक वेकोली/उमरेड/2025-26/2167 दिनांक 11.02.2026

उपरोक्त संदर्भिय विषयांकीत प्रकरणी क्षेत्र नोडल अधिकारी (पर्यावरण) आणि विभागीय वन अधिकारी, सामाजिक वनीकरण, नागपुर यांच्यात दिनांक 02.01.2026 रोजी झालेल्या बैठकीच्या संदर्भात तसेच पर्यावरण मंजूरी (EC) अटीनुसार, मकरधोकडा-1 ओसी खाण परिसरात आणि आसपासच्या हरितआच्छादनात वाढ करण्यासाठी पुढील पाच वर्षांमध्ये दरवर्षी शेतकऱ्यांना 50,000 नग 4 ते 5 फूट उंच फळझाडांची रोपे वाटप करणे आवश्यक असल्याचे कळविले आहे. त्याअनुषंगाने सामाजिक वनीकरण विभागांतर्गत रोपे वाटप करणे करीता आवश्यक निधी मागणी प्रस्ताव सादर करणे बाबत कळविण्यात आलेले आहे.

सन 2026 च्या पावसाळ्यात रोपांचे सुरळीत वाटप करता येईल यादृष्टीने विचार करता विभागीय स्तरावर 50,000 नग 4 ते 5 फूट उंच फळझाडांची रोपे उपलब्ध होणार नाहीत. त्यामुळे सन 2026 पावसाळ्यात रोपे खरेदी करून शेतकरी लाभार्थी यांना वाटप करता येईल व त्यानंतर सन 2027 पावसाळ्यात रोपांची निर्मिती करणे करीता रोपवाटीका अंदाजपत्रक तयार करून रोपनिर्मिती करून रोपे वाटप करता येतील.

तरी याबाबत WCL यांचे समवेत करारानामा करून कार्यवाही करणे अपेक्षित असल्याने त्याकरीता परवानगी मिळण्यास विनंती आहे.

सहपत्र:- वरील प्रमाणे.

(एन.आर.राऊत)

विभागीय वन अधिकारी,  
सामाजिक वनीकरण विभाग, नागपुर.

प्रतिलिपी:- क्षेत्रीय महाप्रबंधक, उमरेड क्षेत्र (WCL) यांना माहितीस अप्रेषित.

दिनांक 11 FEB 2026

केवल उमरेर क्षेत्र के अधिकार क्षेत्र में



## वेस्टर्न कोलफील्ड्स लिमिटेड/Western Coalfields Limited

मिनिरात कम्पनी (A Miniratna Company)

कोल इंडिया लिमिटेड की अनुषंगी कम्पनी (A Subsidiary of Coal India Limited)

CIN-U10100MH1975GOI018626

क्षेत्रीय महाप्रबन्धक का कार्यालय, उमरेर क्षेत्र

पता: वे.का.वि., सफ धरा, पो: उमरेर, जिला:नागपुर, महाराष्ट्र, पिन-441204  
Email: agnumrer.wcl@coalindia.in

Office of Area General Manager, Umrer Area

Address: WCL, Umrer Area, PO:Umrer, Dist: Nagpur, MS, PIN:441204  
Fax:07116-247374, Phone: 07116-247603, 07116-247625



सन्दर्भ सं: वेकोलि/उमरेर/2025-26/ 2167

दिनांक:11.02.2026

प्रति,

The Conservator of Forest  
Social Forestry Division,  
164 RT Road, Civil Lines,  
Nagpur, Maharashtra.

**Subject:** Direct Distribution of 50,000 Nos. of Fruit-Bearing Saplings to Farmers through Government Social Forestry Departments Annually for 5 years with incentive to improve green cover in and around the mine lease area of Makardhokra-I OC mine, Umrer Area

**Ref(1):** Umrer Area's Letter vide no. वेकोलि/उमरेर/2025-26/895 dated 13.08.2025

(2): Umrer Area's Letter vide no. वेकोलि/उमरेर/2025-26/1529 dated 18.11.2025

महोदय,

This has reference to the above-mentioned subject and the meetings held between the Area Nodal Officer (Environment) and the DFO, Social Forestry, on 10.10.2025, 20.10.2025 and 02.01.2026.

As per the Environmental Clearance (EC) conditions, distribution of 50,000 nos. of 4-feet-tall fruit-bearing saplings to farmers every year for the next five years, along with suitable incentives, is required to enhance the green cover in and around the mine lease area of Makardhokra-I OC Mine and to ensure statutory compliance.

In view of the above and the discussions held during the meetings; it is kindly requested to expedite the further proceedings for finalization of the proposal. This will help WCL to make advance arrangements, obtain necessary approvals in time, and ensure smooth distribution of plants during the forthcoming monsoon i.e. FY 2026-27.

धन्यवाद।

भवदीय,

क्षेत्रीय महाप्रबन्धक,

उमरेर क्षेत्र

प्रतिलिपि:-

1. DFO, Social Forestry, Nagpur.
2. General Manager / HoD, Environment, WCL-HQ.
3. Sub Area Manager, Umrer Sub Area, Umrer, WCL

केवल नागपुर कोर्ट के अधिकार क्षेत्र में

Under Jurisdiction of Nagpur Court only



# वेस्टर्न कोलफील्ड्स लिमिटेड/Western Coalfields Limited

मिनिरात्र कम्पनी (A Miniratna Company)

कोल इंडिया लिमिटेड की अनुषंगी कम्पनी (A Subsidiary of Coal India Limited)

CIN-U10100MH1975GOI018626



क्षेत्रीय महाप्रबन्धक का कार्यालय, उमरेर क्षेत्र

सिविल विभाग (Civil Department)

पता: वे को लि., उमरेर क्षेत्र, पो. उमरेर, जिला नागपुर, महाराष्ट्र, पिन. 441204

Address: WCL, Umrer Area, PO: Umrer, Dist: Nagpur, MS, PIN: 441204

Email: agmumrer.wcl@coalindia.in

Fax: 07116-247374. Phone: 07116-247603, 07116-247625

सन्दर्भ सं: वे को लि./उ.क्ष./अ.अधि.(सिविल)/2026/1149

दिनांक: 09.03.2026

To,  
The Chief Engineer  
Water Resources Department  
Sinchan Seva Bhavan  
Nagpur

Sub: Request for grant of NOC( No objection Certificate) for partial diversion of Nallah no 2 located in the acquired land area of MKD- 1 Open Cast Mine of Umrer Area of Western Coalfields Limited

Ref:

1. WCL/UA/SO(C)/2025/1231 dated 10.11.2025
2. Kramank 4798/tansha-4/nala kr. 2/2025 dated 14.11.2025
3. Letter received from Assistant Chief Engineer – Hydrology and Dam safety, Nashik -04 no. 69/2025/147/2026 dated 10.02.2026
4. CDO/Dams/ED-2/WCL/Makardhokda-I/60/2026 dated 02.03.2026

Dear Sir,

As per the letter received from your office referred above, it was communicated that the application of NOC should be submitted after obtaining the flood study, design and drawings from CDO Nashik. In view of the above, the reports for flood study and design and drawings have been obtained from CDO Nashik and are enclosed herewith.

The checklist received from your office duly filled in and signed by the field authority along with the indemnity bond is also enclosed.

Therefore, you are requested to kindly provide the No Objection Certificate for partial diversion of Nallah no 2 located in the acquired land area of MKD- 1 Open Cast Mine of Umrer Area of Western Coalfields Limited.

Your co-operation in this regard is solicited for taking up the work at the earliest.

Thanking You,

Staff Officer(Civil)  
WCL, Umrer Area

General Manager, Umrer Area – for kind info

Sub Area Manager, Umrer Sub Area

WCL/O.C

Encl:

1. Flood study report (copy)
2. Design report (original)
3. Checklist (original)
4. Indemnity Bond (Original)

9/3/2026

आयक लिमिटेड  
मुख्य अभियंता  
जलसंपदा विभाग  
नागपुर



सत्यमेव जयते



महाराष्ट्र शासन, जलसंपदा विभाग.  
अधीक्षक अभियंता (घरण), संकल्पचित्र मंडळ,  
मध्यवर्ती संकल्पचित्र संघटना, दिंडोरी रोड, नाशिक ४२२ ००४  
Superintending Engineer (DAM), Designs Circle,  
Central Design Organisation, Dindori Road, Nashik-422 004

Phone No.: 0253-2530708 Email: [se.mdcdo@gmail.com](mailto:se.mdcdo@gmail.com) /  
[seddc.nashik@wrd.maharashtra.gov.in](mailto:seddc.nashik@wrd.maharashtra.gov.in)  
"Please visit to WRD website- <https://wrd.maharashtra.gov.in>"



म्यत्रय्याचो अमन महाम्यत्र

CDO/Dams/ED-2/WCL/Makardhokda-I/ 60/2026

Date: - 02/03/2026

To,

Area Manager,  
Umrer Area,  
Western Coalfields Limited,  
Nagpur-441204

**Subject: -** Design and drawing of proposed diversion of Nallah no. II at Makardhokda-I  
OC mine of Umrer Area, Western Coalfields Limited, Nagpur.

- Reference:-**
1. Area Manager, Umrer Area, Western Coalfields Limited, Nagpur office letter no. वेकोलि/उ.क्षे./क्षे.महा.प्र./२०२५/१५१५, दिनांक: १३.११.२०२५ (Received Vide Email dated 13.11.2025).
  2. Superintending Engineer (Dams), Design Circle, C.D.O., Nashik letter no. CDO/Dams/ED-2/WCL/Makardhokda-I/264/2025, Dated: 19/11/2025.
  3. Area General Manager, Umrer Area, Western Coalfields Limited, Taluka - Umred, District – Nagpur letter no. वेकोली/उ.क्षे./क्षे. महा.प्र./2025/2169, Dated: 11/02/2026.
  4. Field official Email Dated: 13.02.2026
  5. Chief Engineer, Hydrology and Dam Safety, Nashik vide letter no. मुअ/जवधसु/उविअ/(६९/२०१५)/१४७/सन २०२६, दिनांक: १०/०२/२०२६ (प्राप्त दिनांक: १७/०२/२०२६).
  6. अमला अधिकारी, उमरेड क्षेत्र, वेकोलि यांचे पत्र क्र. वेकोली/उ.क्षे./क्षे. महा.प्र./2025/1070, Dated:17/02/2026.

Dear Sir,

Area General Manager, Umrer Area, Western Coalfields

Limited, Taluka - Umred, District – Nagpur referred the design of Diversion of Nallah

no. 11 at Makardhokda-I OC mine of Umrer Area to Central Designs Organization, Nashik vide reference letter no. 1.

Then Superintending Engineer (Dams), Design Circle, C.D.O., Nashik vide reference letter no. 2 requested to furnish flood value from Superintending Engineer, Data Analysis Circle, Nashik and other data required for the diversion of nalla along with consultancy charges.

Area General Manager, Umrer Area, Western Coalfields Limited, Taluka - Umred, District - Nagpur vide reference letter no. 3 submitted the partial data as communicated by Central Designs Organization, Nashik.

Then the field office vide email dated 13.02.2026 submitted the borehole data and the geotechnical investigation report.

In the meanwhile, Chief Engineer, Hydrology and Dam Safety, Nashik vide reference letter no. 5 submitted the flood study report considering the urgency of the work.

It is mentioned in letter of Chief Engineer, Hydrology and Dam Safety, Nashik vide letter no. मुअ/नवधसु/उविअ/(६९/२०१५)/१४७/सन २०२६, दिनांक: १०/०२/२०२६ (प्राप्त दिनांक: १७/०२/२०२६) that the **"The "No Objection Certificate" of the concerned field Chief Engineer of Water Resources Department is necessary for this work. You are kindly requested to submit the "No Objection Certificate" of the concerned field Chief Engineer of Water Resources Department for our records as early as possible.**

**"If anything happen due to Nalla Diversion in absence of "No Objection Certificate" of the concerned field Chief Engineer of Water Resources Department this office will not be responsible for the complications."**

Then the field authority vide reference letter no. 6 communicated to consider the flood values for designing work.

Based on the data submitted and flood values recommended, the design of diversion is processed.

All the technical details are illustrated in design report. The

design report and drawings are submitted herewith for your approval.

The approved copy of the report shall be sent to this office

for record please.

Before commencement of work and during execution of work following

points of attention shall invariably be referred.

1) Any excess in quantity or cost due to these design/drawings in approved tender

shall be ascertained at field level and shall be got sanctioned from competent

authority i.e. WCL before execution. CDO will not be responsible for increase in

cost due to design.

2) This design and drawing is prepared based on the data supplied by Area General

Manager, Umrer Area, Western Coalfields Limited, Taluka - Umred, District -

Nagpur vide letter no. वकीली/३.क्ष./क्ष. मही.म./2025/2169, Dated:11/02/2026, email

dated: 13/02/2026. Responsibility regarding accuracy of data solely lies with the

field authority. CDO will not be responsible for any mistakes in design due to

inaccurate data.

3) The design is based on the flood study report submitted by Chief Engineer,

Hydrology and Dam Safety, Nashik vide letter no. मअ/साधस/उनिअ/(६९/२०१५)

/१४७/स २०२६, दिनांक:१०/०२/२०२६. The field authority vide letter no. वकीली/३.क्ष./क्ष.

क्ष.मही.म./2025/1070, Dated: 17/02/2026 submitted the approved flood values.

4) The design parameters of Casing and Foundation considered for this diversion

work as per data submitted by Area General Manager, Umrer Area, Western

Coalfields Limited, Taluka - Umred, District - Nagpur vide letter no. वकीली/३.क्ष./क्ष.

मही.म./2025/2169, Dated:11/02/2026 and email dated: 13/02/2026. The test

results are obtained from Bequerel Industries Pvt. Ltd., Nagpur. The field

authority submitted 20 samples of casing material including two samples of

foundation at the location of plug 1, 2 and no samples of hearing material.

- 5) The field authority hasn't submitted the test results of hearing material. In view of this, the design parameters considered for the diversion of proposed nallah in ADASA UG to OC Mine, Saoner Sub Area, Nagpur Area previously issued vide letter no. CDO/Dams/ED-2/WCL/ Adasa /119/2024, dated: 24/05/2024 are considered for this diversion.
- 6) The casing and hearing material to be used for construction must have soils properties satisfying the considered design parameters.
- 7) The field authority shall ascertain the parameters with adopted design parameters.
- 8) The field authority needs to ensure the adequacy of the provision in the design with the site-specific conditions.
- 9) Responsibility regarding accuracy of data solely lies with the field authority. Hence, CDO will not be responsible for any mistakes in design due to inaccurate and incomplete data.
- 10) This drawing should not be used for execution till approval from competent WCL authority is obtained.
- 11) Yearly pre-monsoon inspection of this artificial channel is almost important and the failure of any type like silt depositions, cracks on side slopes etc may be repaired before monsoon, so that the channel will function with its full potential and will not create any problem in the future.
- 12) Sufficient stocks of repairs material like gunny bags of sand, murum, metal etc may be kept in the vicinity of flood banks and nalla plugs for facilitating repairs, if any, required during monsoon.
- 13) Prior permissions of the competent district and local revenue authorities shall be obtained before start of execution to avoid any legal complications.

- 14) All necessary No Objection Certificates required from revenue, forest, environment and Water Resources Department and other concerned authorities if any shall be obtained by WCL before commencement of work.
- 15) After completion of the diversion work, the same should be intimated to local officers of the Water resources department under whom this area lies. The officers of water resources department will verify that whether the work is executed as per design or not.
- 16) During first monsoon, the hourly record of flood passed through channel may be maintained. Also, if at any point, scouring takes place in the diversion channel, these observations should also be noted and may be communicated to Central Designs Organization.
- 17) For the design of the diversion IS code 12094:2018 ["Planning and Design of River Embankments (Levees)-Guidelines"], IS code 11532:1995 (reaffirmed 2016) ["Construction and Maintenance of River Embankments (Levees) –Guidelines"], IS-8826-1976(Reaffirmed 2020), IS 7894-1975 (Reaffirmed 2020), Govt. Circular MIS-2015/ (CR. No. 253/15)/MP dated 01/09/2015 and previously issued design by CDO are referred.
- 18) For maintenance of the embankment, provisions mentioned in code 11532:1995 (reaffirmed 2016) ["Construction and Maintenance of River Embankments (Levees) –Guidelines"] shall be followed scrupulously.
- 19) In case of breaching of embankment, the provisions mentioned in IS 12094:2018 ["Planning and Design of River Embankments (Levees)-Guidelines"] shall be followed scrupulously.
- 20) The provision regarding revetment as per IS 14262-1995 (Reaffirmed 2001) Planning and Design of Revetment Guidelines shall be followed scrupulously.

- 21) The plug shall be aligned such as to have a smooth diversion, the plug location may be aligned to suite the site condition.
- 22) A toe wall is proposed to protect the slopes of the plug as per provision mentioned in IS 14262-1995 (reaffirmed 2001) "planning revetment - guidelines."
- 23) To protect the downstream slope, turfing may be provided and maintained on the entire downstream face of the embankment as per IS code 12094:2018 "planning and design of river embankment (levees)- guidelines and IS code 11532:1995 (reaffirmed2016) "construction and maintenance of river embankment (levees)-guidelines".
- 24) Junction should be executed in such a way that it will accommodate design flood adequately.
- 25) As the diverted nalla meets the existing nalla at the end of diversion point, these nallas should be properly regarded near confluence point to accommodate the design discharge.
- 26) As per data submitted there is existence of Sirpur village in the vicinity of nalla. Considering these issues for accommodation of combined flood, regradation of existing nalla is necessary. To protect the village in the vicinity of existing nalla a precautionary arrangement (i.e. embankment on the sides of the existing nalla) may be carried out at the field level by concerned WCL authorities. Resectioning and Regradation of the existing existing nalla portion needs to be done to accommodate the combined flood.
- 27) It is advised to do testing of the material before execution of work.
- 28) The excavation near plug shall be avoided in order to protect the plug.

29) As per clause no 6.3.3 of IS 9296:2001(Reaffirmed 2013), "No trees or other deep-rooted plants shall be permitted to grow on the slopes and toe of the dam."

30) Central Designs Organization shall not be answerable to any legal issues regarding land acquisition, issues concerned with environment, tendering etc.

31) It is mentioned in letter of Chief Engineer, Hydrology and Dam Safety, Nashik vide letter no. मुअ/जवधसु/उविअ/(६९/२०१५)/१४७/सन २०२६, दिनांक:१०/०२/२०२६ that the "No Objection Certificate" of the concerned field Chief Engineer of Water Resources Department is necessary for this work. You are kindly requested to submit the "No Objection Certificate" of the concerned field Chief Engineer of Water Resources Department for our records as early as possible.

If anything happen due to Nalla Diversion in absence of "No Objection Certificate" of the concerned field Chief Engineer of Water Resources Department this office will not be responsible for the complications."

One set of approved copy of this design shall be sent to CDO for archiving.

This is for your approval and necessary action please.

  
(S. R. JAGTAP)

Enclosure: 5 copies of report

Superintending Engineer (Dam),  
Central Designs Organisation  
Nashik

Copy Submitted to

- 1) The Chief Engineer, Central Design Organisation, Nashik for information.
- ✓ 2) अमला अधिकारी, उमरेड क्षेत्र, वेकोलि, नागपूर for information and necessary action.



# वेस्टर्न कोलफील्ड्स लिमिटेड/Western Coalfields Limited

मिनिरात्र कम्पनी (A Miniratna Company)

कोल इंडिया लिमिटेड की अनुषंगी कम्पनी (A Subsidiary of Coal India Limited)

CIN-U10100MH1975GOI018626



क्षेत्रीय महाप्रबन्धक का कार्यालय, उमरेर क्षेत्र

सिविल विभाग (Civil Department)

पता: वे को लि. उमरेर क्षेत्र, पो उमरेर, जिला नागपुर, महाराष्ट्र, पिन 441204

Address: WCL, Umrer Area, PO Umrer, Dist: Nagpur, MS, PIN-441204

Email: agmumrer.wcl@coalindia.in

Fax: 07116-247374, Phone: 07116-247603, 07116-247625

सन्दर्भसं: वेकोलि/उ.क्ष./अ.अधि.(सिविल)/2026/1149

दिनांक: 09.03.2026

To,  
The Chief Engineer  
Water Resources Department  
Sinchan Seva Bhavan  
Nagpur

Sub: Request for grant of NOC( No objection Certificate) for partial diversion of Nallah no 2 located in the acquired land area of MKD- 1 Open Cast Mine of Umrer Area of Western Coalfields Limited

Ref:

1. WCL/UA/SO(C)/2025/1231 dated 10.11.2025
2. Kramank 4798/tansha-4/nala kr. 2/2025 dated 14.11.2025
3. Letter received from Assistant Chief Engineer – Hydrology and Dam safety, Nashik -04 no. 69/2025/147/2026 dated 10.02.2026
4. CDO/Dams/ED-2/WCL/Makardhokda-I/60/2026 dated 02.03.2026

Dear Sir,

As per the letter received from your office referred above, it was communicated that the application of NOC should be submitted after obtaining the flood study, design and drawings from CDO Nashik.

In view of the above, the reports for flood study and design and drawings have been obtained from CDO Nashik and are enclosed herewith.

The checklist received from your office duly filled in and signed by the field authority along with the indemnity bond is also enclosed.

Therefore, you are requested to kindly provide the No Objection Certificate for partial diversion of Nallah no 2 located in the acquired land area of MKD- 1 Open Cast Mine of Umrer Area of Western Coalfields Limited.

Your co-operation in this regard is solicited for taking up the work at the earliest.

Thanking You,

Staff Officer(Civil)  
WCL, Umrer Area

CC:

1. Area General Manager, Umrer Area – for kind info
2. Sub Area Manager, Umrer Sub Area
3. File/O.C

Encl:

1. Flood study report (copy)
2. Design report (original)
3. Checklist (original)
4. Indemnity Bond (Original)

ना. 8  
सहायक प्रो. 8/03/2026