

नागपूर कोर्ट के अधिकार क्षेत्र में

Under Jurisdiction of Nagpur Court only



5 DECADES OF UNEARTHING ENERGY

वेस्टर्न कोलफील्ड्स लिमिटेड/Western Coalfields Limited

एक मिनिरातना कंपनी (A miniratna Company)

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

क्षेत्रीय महाप्रबंधक का कार्यालय (Office of the Area General Manager)

पाथाखेड़ा क्षेत्र (Pathakhera Area)

CIN-U10100MH1975GOI018626

पता: वे को लि, पाथाखेड़ा क्षेत्र,

Address: WCL, Pathakhera Area

पो: पाथाखेड़ा, जिला: बेतुल, मध्य प्रदेश, 460449

PO: Pathakhera, Dist: Betul, Madhya Pradesh, 460449

Email: agmpakhakhera.wcl@coalindia.in

FAX: 07146-270566, Ph:270455

संदर्भ सं: वेकोलि/पाथा/म प्र/पर्या/2026/560

दिनांक: 25.05.2026

प्रति,

Regional Officer,

Integrated Regional Office(Bhopal), MOEF&CC,

Kendriya Paryavaran Bhavan,

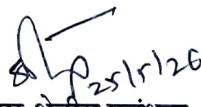
LinkRoadNo-03,E-5,RaviShankar Nagar, Bhopal 462016 (M.P.)

विषय:Submission of Six Monthly EC Compliance Report of Tawa-II UG mine (EC letter no. J-11015/53/2006-IA-II(M) dated 15.01.2021 and 02.08.2006) of Pathakhera Area for the period 1st October 2025-31th March 2026.

महोदय,

In reference to the above subject, please find enclosed herewith Six Monthly EC Compliance Report of Tawa-II UG mine of Pathakhera Area, WCL for the period 1st October 2025-31th March 2026 for kind perusal.

The report is being submitted through email and also uploaded on the Parivesh portal.


25/5/26
उप-क्षेत्रीय प्रबंधक
तवा-2 उप-क्षेत्र

प्रतिलिपि:

1. महाप्रबंधक (पर्यावरण) वे.को.लि. मुख्यालय नागपूर
2. क्षेत्रीय महाप्रबंधक, पाथाखेड़ा क्षेत्र
3. क्षेत्रीय नोडल अधिकारी (पर्यावरण), पाथाखेड़ा क्षेत्र

Your (Half Yearly Compliance Report) has been Submitted with following details

Proposal No	IA/MP/CMIN/9218/2006
Compliance ID	1228218845
Compliance Number(For Tracking)	EC/M/COMPLIANCE/1228218845/2026
Reporting Year	2026
Reporting Period	01 Jun(01 Oct - 31 Mar)
Submission Date	26-05-2026
RO/SRO Name	Shri Kailash Chand Meena
RO/SRO Email	rj107@ifs.nic.in
State	MADHYA PRADESH
RO/SRO Office Address	Integrated Regional Offices, Bhopal

Note:- SMS and E-Mail has been sent to Shri Kailash Chand Meena, MADHYA PRADESH with Notification to Project Proponent.



A MAHARATNA COMPANY



5 DECADES OF UNEARTHING ENERGY



**ENVIRONMENTAL
COMPLIANCE**

WESTERN COALFIELDS LIMITED

**TAWA-II UNDERGROUND COAL MINE EXPANSION PROJECT
WCL, PATHAKHERA AREA**

**(EC CAPACITY - 0.60 MTPA IN LAND AREA OF 520.0 HA)
(EC VIDE LETTER NO. - J-11015/53/2006-IA-II(M) dated 15.01.2021 and
02.08.2006)**

**SIX MONTHLY EC COMPLIANCE REPORT
(FOR THE PERIOD : 01/10/2025 to 31/03/2026)**

DOCUMENT LIST

TAWA-II UNDERGROUND COAL MINE EXPANSION

Sl.No	Subjects	Page no.
1.	General Information	1-4
2.	Environment Expenditure Details	5
3.	EC Compliance Report	6-21
4	Location Plan	22
5.	Environment Clearance Letter No: IA-J-11015/53/2006-IA-II(M) Date:- 15 th January, 2021	23-25
6	Environment Clearance Letter No: J-11015/53/2006-IA-II(M) Date:- 15.01.2021 and 02.08.2006	26-29
7.	Environmental Audit Statement 2024-25	30-44
9.	Annexures	45-353

EC CONDITION-WISE ANNEXURES LIST

Sno.	Annexure to Specific Condition no.	Contents	Page no.
Specific Conditions			
1.	I	Copy of the latest Consent Order issued by MPPCB and Consent Compliance Report	45-68
2.	III	Copy of the latest Subsidence monitoring Plan and Subsidence Monitoring Pillars	69-77
3.	IV	Work Award Letter -“Construction of Sedimentation ponds, check-dam, drain etc. for additional treatment of mine water and surface runoff of Tawa-II mine of Pathakhera Area” along with Photographs of the work	78-83
4.	V	Photographs of dust suppression measures	84-88
5.	VIII	Photographs of Plantation and Sapling distribution done in Tawa II UG mine in the year 2023	89-91
6.	IX	Copy of the Ground Water Level Monitoring report, Piezometer water level data, Photographs, Award letter for the work-Construction of Piezometer well and Supply Order for procurement of Digital Water level recorder	92-164
7.	X	Photos of hand pump installed in nearby villages of Tawa II UG mine and Copy of Award Letter for the work of “Construction of rainwater harvesting system at Tawa-I, Tawa-II and Chhatarpur-I UG mines of Pathakhera Area” along with Photographs of RWH structure work done in Tawa II UG mine.	165-179
8.	XI	Copy of letter sent by CMO, Sarni Nagar Palika to the Executive Engineer, Urban Administration and Development, Narmadapuram division, Bhopal, for technical appraisal and sanction of the DPR by the State Level Technical Committee (SLTC) and Copy of the minutes of the meeting of the District Level Review and Monitoring Committee showing progress of the Liquid Waste Management work (STP) to be undertaken by Sarni Nagar Palika.	180-184
9.	XII	PME Details and Medical Examination Details of 10 percent Man-Power of Tawa - II UG mine carried out by Govt Dist Hospital	185-202

10.	XIII	Land Use/ Vegetation cover Mapping of Pench-Kanhan-Tawa and Satpura Valley Coalfield based on Satellite data for the year 2023	203-241
11.	XIV	Copy of letter of submission of MCP to MoEF and CC and Approved MCP of Tawa II UG mine	242-275
General Conditions			
Sno.	Annexure to General Condition no.	Contents	Page no.
12.	II	Copy of Year wise production Details of Tawa II UG mine	276
13.	III	Environment monitoring results for the period Apr'25-Sept'25	277-311
14.	XII	Environment Capital and Revenue expenditure for FY 2025-26	312
15.	XIV	Copy of the Environment clearance letter marked to concerned Panchayats / local NGO	313-314
16.	XVI	Copy of EC advertisements given in different newspaper	315-319
Revalidation EC Additional Conditions			
Sno.	Annexure to Revalidation EC- Additional Condition no.	Contents	Page no.
17.	1	Copy of CGWA NOC dated 19/04/24 valid till 16/12/25	320-323
18.	2	Photographs of road constructed in Bhogaikhapa-Hirapalla village near Tawa II UG mine along with work award letters and work completion certificate	324-336
19.	3	Copy of Letter to MPPGCL, Sarni reg. deployment of high axial trucks	337

WESTERN COALFIELDS LIMITED

PART -I

EC COMPLIANCE REPORT

TAWA-II UNDERGROUND COAL MINE EXPANSION, PATHAKHERA AREA

GENERAL INFORMATION

Name of the Project	TAWA-II UNDERGROUND COAL MINE EXPANSION
Location and Address	Near Vill.- Hirapalla, Teh.- Ghoradongri, Distt.-Betul (MP)
Address for correspondence	Near Vill.- Hirapalla, Teh.- Ghoradongri, Distt.-Betul (MP)
MOEF clearance letter no.and date	IA-J-11015/53/2006-IA-II(M) Date:- 15th January, 2021 for 0.60 MTPA.
Date of last report submission	01/12/2025
Date of commencement of project work	01/11/2006
Period of Compliance	01/10/2025 to 31/03/2026

STATUS OF LAND ACQUISITION:

Type of Land	Required as per EMP (Ha)	Actual Acquired
Forest	396.279 Ha	396.279 Ha
Agriculture	69.265 Ha	69.265 Ha
Other	54.456 Ha	54.456 Ha
Total	520.000 Ha	520.000 Ha

STATUS OF LEGAL COMPLIANCES

a) Consent under water (Prevention and Control of Pollution) Act	i) Consent granted for air and water both upto 31.08.2028 Vide Consent No.AW - - 62469 Dt. 19/08/2022
b) Environment Protection Act,1986	Environmental statement (FY 2024-25)submitted to MPPCB through XGN portal on 04.07.2025
c) Forest (conservation)act	Approvals obtained under CBA Act 1957and FC Act.1980 are as follows: <ul style="list-style-type: none">● Stage - II Forestry Clearance obtained for 195.20 Ha vide No. 8/97/97/FC dt 22.1.1999 (including 12.708 Ha. Surface Rights)● Stage - II Forestry Clearance has been obtained vide No.: 8-52/2017-FC dtd. 02/11/2023 for remaining 201.079 Ha (Mining Right).● 3.75 Ha of Forest Land has been diverted vide No.: 6MPB/09/2006 /BHO/3741 dt.06/08/2007 for erecting 33 kV power line, which has been acquired under surface Rights.

STATUS OF IMPLEMENTATION OF PROVISIONS OF EMP

LAND USE STATUS

S.No	Particulars	As per EMP	Current Year	Progressive
1	Area Excavated (Ha)	NA	NA	NA
2	Top Soil removed (MM3)	NA	NA	NA
3	OB removed (MM3)	NA	NA	NA
4	OB backfilled (MM3)	NA	NA	NA
5	OB dumped (MM3)	NA	NA	NA
6	Area recovered for reclamation (Physical reclamation)	NA	NA	NA
7	Area reclaimed biologically (Tree plantation on backfilled area)	NA	NA	NA

PRODUCTION :-

(I) Approved capacity :- 6,00,000 Te

(II) Production in FY2025-26:- 323140 Te

Rehabilitation And Resettlement

SN	Particulars	SC	S T	Other
1	No. of land oustees	Not Applicable	Not Applicable	Not Applicable
2	No. of land oustees rehabilitated	Not Applicable	Not Applicable	Not Applicable
3	No. of PAPs/PAFs to be resettled	Not Applicable	Not Applicable	Not Applicable
4	No. of PAPs / PAFs resettled	Not Applicable	Not Applicable	Not Applicable
5	Area of New site(Ha)	Not Applicable	Not Applicable	Not Applicable
6	Status of development	Not Applicable	Not Applicable	Not Applicable
7	Civic amenities provided at new resettlement site.	Not Applicable	Not Applicable	Not Applicable

ORGANISATION SETUP AT PROJECT LEVEL **Name and Designation of the personnel to be given**

Shri M. Satyanarayana, Sub Area Manager, Tawa - II Sub Area

Shri Kalpesh Jain, Mine Manager, Tawa - II UG Mine

Shri Jan Mohammad, Nodal Officer (Env.), Tawa - II UG Mine

PART -II
ENVIRONMENTAL EXPENDITURE DETAILS

CAPITAL:			
	ACCOUNT HEAD	CURRENT YEAR	PROGRESSIVE
1	Reclamation (HEMM)	Nil	Nil
2	Air Pollution Control	12.80 Lakhs	Rs 36.88 Lakhs Upto 31.03. 2026
3	Water Pollution Control	Nil	Rs. 159.15 Lakhs Up to 31.03. 2026
4	CAAQMS Charges	Nil	Rs. 22.94 Lakhs (upto 31.03. 2026)
5	Other (Water Meter, Piezometer, Rain Water Harvesting)	Nil	Rs. 13.24 lakhs Up to 31.03.2026
REVENUE:			
1	Afforestation	Nil	Nil
2	Air, Water and Noise Monitoring	Rs. 22.84 Lakhs	From 2007-08 Rs 169.59 Lakhs (upto31.03. 2026)
3	EIA / EMP Preparation	Nil	From 2020-21 Rs 139.83 Lakhs (upto 31.03. 2026)
4	Legal Expenses consent fees	Nil	Rs 104.92 Lakhs (upto 31.08.2026)
5	Ground Water Abstraction Charges	Rs. 8.99Lakhs	From 2021-22 Rs 24.17 Lakhs (upto 31.03.2026)
6.	Environment Audit statement	Nil	From 2007-08 Rs. 4.52 Lakhs (upto 31.03. 2026)
7	Ground Water Monitoring Charges	Rs. 0.267 Lakhs	From 2015-16 Rs 7.397 Lakhs (upto 31.03. 2026)
8	CAAQMS Charges	Nil	From 2021-22 Rs. 22.94 Lakhs (upto 31.03. 2026)
	ACCOUNT HEAD	CURRENT YEAR	PROGRESSIVE
9	Road Repairing	Nil	Rs. 50.05 Lakhs Upto 31.03.2026
10	Compensation paid for land acquisition	Nil	Rs. 3.81 Lakhs (For Compensatory Afforestation) Upto 31.03.2026
11.	CAAQMS Charges	3.18 Lakhs	

PART - III

Western Coalfields Limited

COMPLIANCE OF ENVIROMENTAL CLEARANCE CONDITIONS
NAME OF PROJECT -TAWA-II UNDERGROUND COAL MINE EXPANSION
MOEFandCC CLEARANCE LETTER No IA-J-11015/53/2006-IA-II(M)
Dated 15th January, 2021

A. Specific Conditions:

S. No	Condition	Compliance
i.	All the conditions stipulated by the MPPCB in their NOC shall be effectively implemented	Condition complied. The conditions stipulated by MPPCB in their Consent to Operate have been duly complied and the Consents Compliance reports are being submitted to MPPCB through XGN portal on Regular interval. (Copy of Latest CTO enclosed as Annexure Specific Condition no. i.)
ii.	No mining shall be undertaken in lease area falling in forest land for which forestry clearance has not been obtained under the provision of the forest conservation act -1980.	Complied. No mining has been carried out beneath the land area falling in forest area. As per the EC, total forest land involved in the project is as mentioned below for which Forestry clearance has been secured: <ul style="list-style-type: none">● Forestry Clearance obtained for 195.20 Ha vide letter No. 8/97/97/FC dated 22.1.1999 (including 12.708 Ha. Surface Rights)● Stage - II Forestry Clearance has been obtained vide letter No.: 8-52/2017-FC dated 02/11/2023 for remaining 201.079 Ha (Mining Rights)● 3.75 Ha of Forest Land has been diverted vide letter No. : 6MPB/09/2006/BHO/3741 dt.06/08/2007 for erecting 33 kV power line, which has been acquired under surface rights.
iii.	Regular monitoring of subsidence movement on the surface over and around the working and impact on natural drainage pattern, water bodies, vegetation, structure, roads and surroundings should	Complied. Subsidence monitoring is being carried out on regular basis by the Highly skilled Team of DGMS Approved Survey Personnel.The

	<p>be continued till movement ceases completely. In case of observation of any high rate of subsidence movement appropriate effective corrective measure should be taken to avoid loss of life and material. Cracks should be effectively plugged with ballast and clayey soil/suitable materials.</p>	<p>cracks observed on the of surface has been duly plugging with ballast / clayey soil, etc. Copy of the latest Subsidence monitoring Plan and Subsidence Monitoring Pillars enclosed herewith for ready reference as Annexure Specific Condition No. III.</p>
<p>iv.</p>	<p>Garland drain (size, gradient and length) around the safety areas such as mines shaft and low lying area and sump capacity should be designed keeping 50percent safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine sides. Sump capacity should also provided adequate retention period to all proper settling of silt material.</p>	<p>Condition duly complied. Garland drains have been constructed in the mine premises near Coal Stock Yard. The Size of Garland drain is as follow: Length - 150.0 m, Width - 0.80 m and Depth - 0.60 m Regular cleaning of the garland drain has been carried out with departmental resources on a quarterly basis. In addition to this, the workof “Construction of Sedimentation ponds, check-dam, drain etc. for additional treatment of mine water and surface runoff of Tawa-II mine of Pathakhera Area” has been awarded vide letter no. WCL/PKD/Civil/2023-24/F-187/589 dated 01.01.2024 and has been completed. (Work Award Letter along with Photographs is enclosed as Annexure Specific Condition no.-IV).</p>
<p>v.</p>	<p>Crush/ Crushers at the CHP should be operated with high efficiency bag filter, water sprinkling system should be provided to check fugitive emission from crushing operation, conveyor system, haulage road, transfer points etc</p>	<p>Condition complied. The existing CHP facility is only used for storage of coal coming out from underground belt conveyor There is No Coal Crushing arrangement available in the CHP of Tawa - II UG Mine. The conveyor belt is completely covered with Metallic Sheets to avoid fugitive dust emission and Water spraying arrangement is in operation at all transfer points along the conveyor system as well as in the bunker. To control the fugitive emission the conveyor belt has been completely covered and Sprinkler and Rain guns have been installed along the coal stock Yard, near Internal Coal Transportation Road, Near Way bridge and Coal Bunker for dust suppression purpose. Photographs enclosed as Annexure Specific Condition no.- V.</p>

		In addition to these measures, a fog cannon machine with 100 m throw radius has been installed near the coal stockyard and coal transportation road.
vi.	Drill should be wet operated only.	<p>Complied.</p> <p>In Tawa-II UG expansion project, coal is being extracted with underground mining technology. Underground mining has low impact on environment in comparison to opencast coal mining. The drilling, blasting, removal of huge amount of overburden is not required in underground mines. The major sources of pollution are eliminated in underground mining.</p> <p>Hydraulically operated roof bolters are used which uses water for flushing out the cuttings from the drill holes. This automatically suppresses the dust and also increases life of the drill rods and drill bits.</p>
vii.	Control blasting should be practiced with use of delay detonators. The Mitigative measures for control of ground vibration and to arrest the fly rocks and boulder should be implemented	<p>Complied.</p> <p>In Tawa-II UG expansion project, coal is being extracted with underground mining technology. Underground mining has low impact on environment in comparison to opencast coal mining. The drilling, blasting, removal of huge amount of overburden is not required in underground mines. The major sources of pollution are eliminated in underground mining.</p> <p>The underground mine is considered as sustainable method for coal extraction. It does not require making long term changes in the land due to excavation of overburden. As such, there is not any blasting over the surface. Entire operations are carried out below ground.</p> <p>The land at surface is not disturbed except minor disturbances due to subsidence, which has been duly filled with suitable material.</p>
viii.	A progressive Afforestation plan shall be prepared and implemented for the undisturbed area. Area under green belt development, areas along road, infrastructure, along M.L. boundary and township outside the lease areas etc. by planting native species in consultation	<p>Complied</p> <p>In general, Pathakhera area has plenty of natural vegetation, plants and trees. However, Plantation has been carried out on the vacant land.</p>

	<p>with the local DFO/Agriculture department. The density of the trees should be around 2500 plants per hectare.</p>	<p>Since 1995-96, nearly 278592 Nos of trees have been planted in around 111.43 Ha area of Pathakhera area and a total of 19031 Nos of trees have been distributed until 31.03.2026.</p> <p>Plantation of 2200 No. of Plants has been carried out on vacant land near Pathakhera Township. The density of the trees has been maintained around 2500 plants per hectare. (i.e. 2200 trees planted in 8800 sq. meter land with spacing of 2 meter)</p> <p>Nearly 245 Nos. of trees have been planted in Tawa-II UG mine premises and around 3100 plants have been distributed till date since inception of mine.</p> <p>The mine area is located in the midst of dense forests and hence, there is little scope for Afforestation or gap plantation and since the mine is an underground mine, natural forests of the area will have a negligible impact due to mining activity.</p> <p>Plantation in UG Mine is carried out only over the All right and Surface Right area. The entire infrastructure set up is there in the area only. In between the vacant space, Plantation has already been done.</p> <p>Photographs of Plantation and Sapling distribution done in Tawa II UG mine in the year 2025 is enclosed as Annexure Specific Condition no.- viii.</p>
<p>ix.</p>	<p>Regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells and construction of new piezometers. The monitoring for quantity should be done four times a year in pre-monsoon (May) Monsoon (August), Post monsoon (November) and Winter(January) season and for quality in May. Data thus collected should be submitted to the MOEF and to CPCB quarterly within one month of monitoring.</p>	<p>Condition duly complied. Quarterly monitoring of ground water levels and annually ground water quality is being monitored through network of existing wells. All the parameters are well within permissible limit. Monitoring report is being regularly submitted to CGWB on annual basis and to MOEFCC, IRO Bhopal on a six-monthly basis through six-monthly compliance reports. The well monitoring shows no depletion in ground water level. The well monitoring shows no depletion in ground water level. Copy of the Ground Water Level Monitoring report, Piezometer Photographs, Award letter for the work-Construction of Piezometer well and Supply Order for procurement of Digital Water level recorder are also enclosed</p>

		herewith for ready reference as Annexure Specific Condition no. ix
x.	The company shall put up artificial ground water recharge measure for augmentation of ground water resource. The project authority should meet water requirement of nearby village(s). In case the village well go dry due to dewatering of mines.	<p>Complied.</p> <p>To minimize the impact mining on ground water system, Rain water harvesting System has been constructed at Rescue room premises, Bagdona Colony.</p> <p>In addition to that, Total 06 Nos of Hand Pump have been constructed in nearby villages by WCL to meet their water requirement.(Photos of hand pump enclosed as Annexure Specific Condition no.- X)</p> <p>In addition to the above measures, additional roof top rainwater harvesting system has been proposed in the office buildings in the mine premises. The work of “Construction of rainwater harvesting system at Tawa-I, Tawa-II and Chhatarpur-I UG mines of Pathakhera Area” has been awarded vide Award letter no. WCL/PKD/Civil/2022-23/F-170/376 dated 03/10/23 and has been completed. (Copy of Award Letter along with Photographs of RWH structure enclosed as Annexure Specific Condition no. X).</p>
xi.	Sewage treatment plants should be installed in the existing colony. ETP should also be provided for work shop and CHP waste water.	<p>Condition complied. This is an operating Underground mine, no HEMM has been used in this mine hence No effluent has been generated in Unit Workshop. As only a small engineering workshop is present at mine to cater the day-to-day minor repairing kind of engineering services.</p> <p>Pathakhera Area is having common colony infrastructure for all Mines of Area.</p> <p>Each residential unit is provided with septic tank and soak pit arrangement to deal with domestic effluent, The sizes of the same varies from 25 users to 250 users. This is 02 stage Sewage treatment as per IS 2470 part I and II - 1985.</p> <p>The preliminary treatment is being given through a septic tank and the secondary treatment is being given through soil absorption system. Hence, this is the standard practice and the system is being followed. The arrangement does not allow any sewage to get mixed into any natural water course without treatment. There are 796 septic tanks in the centralized colonies of Pathakhera</p>

		<p>Area, which covers 5106 residential quarters of WCL, Pathakhera Area.</p> <p>Further, the centralized colonies of WCL, Pathakhera Area, where employees of WCL, Pathakhera Area resides are-Pathakhera Township and Shobhapur Township and comes under the Sarni Nagar Palika- local administrative body. Further, for treatment of liquid waste discharge generated from the residential areas located in Sarni Nagar Palika, Detailed Project Report (DPR) for construction of Sewage Treatment Plant amounting to Rs. 37.96 crores has been approved. A tender has been floated by Sarni Nagar Palika for Interception and Diversion of Nallahs with STP works Project of Sarni Town under SBM 2.0 amounting to Rs. 29.68 crores and work duration 18 months. All the colonies of WCL Pathakhera Area shall be covered under the STP works proposed by Sarni Nagar Palika.</p>
<p>xii.</p>	<p>Besides carrying out regular periodic health check up of their workers, 10percent of the workers identified from work force engaged in active mining operation shall be subjected to health check up for occupational diseases and hearing impairment, if any through an agency such as NIOH, Ahmedabad within a period of 1 year and the result reported to this ministry and to DGMS</p>	<p>Total 736 workers are employed in Tawa -- II UG mine and periodic medical Examination (PME) of all employees are being carried once in every 5 years as per the DGMS guidelines and records are maintained and submitted to DGMS. During PME the patient are subjected to a complete clinical examination (including vision and hearing) Radiological examination of chest and routine examination of blood and urine. In case of any abnormality is detected during the course of above examination, further investigation is carried out and treatment given as required.</p> <p>Total PME conducted for 329 workers of Tawa II UG mine during the FY 2024-25. No person have been detected with coal miners pneumoconiosis during the last 5 years.</p> <p>WCL has got a team of specialist trained in coal miners pneumoconiosis to take care of the disease and subsequent treatment. WCL is having occupational Health Committee at the corporate level as well as at the unit level for regular health status monitoring of all employees.</p> <p>In Pathakhera Area, A 60 bedded hospital with 11 doctors and 46 paramedical staff are</p>

		<p>being provided exclusively to cater the round the clock Medical Services to WCL Employees.</p> <p>In addition to this, Medical Examination of 10.69 percent Man power of Tawa -- II UG Mine has been carried out through Government District Hospital, Betul. The above Medical Examination include Physical Examinations, Skin and Eye Examination, Ears Inspection, Respiratory System Examination, Genito-Urinary system examination, ECG, BP, RandS and Audiological Evaluation, etc. (Copy of Medical Examination Details of 10 percent Man Power of Tawa -- II Expn. UG carried out by Government District Hospital, Betul enclosed as Annexure Specific Condition no. -- xii)</p>
xiii.	Digital processing of the entire lease area using remote sensing technique should be done regularly once in 3 year for monitoring land used pattern and report submitted to MOEF and its Regional office at Bhopal.	<p>Condition complied. Digital processing of the entire lease area using remote sensing technique has been carried out through CMPDIL. <u>Latest Report of the year 2023 has been uploaded on company website.</u></p> <p>http://www.westerncoal.in</p> <p><u>(Copy of Land use Mapping Report enclosed as Annexure Specific Condition no. xiii).</u></p>
xiv.	A final Mine Closure plan along with details of Corps Fund should be submitted to the MOEF 5 year in advance of final mine closure for approval.	<p>Condition Duly complied, A Mine Closure plan along with details of Corpus Fund have been sent to MOEF and CC vide letter no : WCL/PKD/TAWA - II / 2021 /880 Dated 17/06/2021 <u>(Copy of letter of submission of MCP to MoEF and CC and Approved MCP of Tawa II UG mine is enclosed in Annexure Specific Condition no. xiv.)</u></p> <p>The balance life of mine is more than 05 years, the final mine closure plan shall be submitted to MoEF and CC 5 year in advance of final mine closure for approval.</p>
xv.	Consent to operate shall be obtained before starting mining operation.	<p>Complied. Consent to operate has been obtained since starting of Mining Operations and the mine has an existing valid consent to operate issued vide Consent No: AW-56505 dated 19/08/2022, Valid upto : 31/08/2028 (Copy of Latest CTO already</p>

		enclosed in Annexure Specific Condition no. i.)
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B. General Conditions:

S. No	Condition	Compliance
i.	No change in mining technology and scope of working should be made without prior approval of the Ministry of Environmental and Forests.	Condition complied. No change in mining technology and scope of work has been made.
ii.	No change in the calendar plan including excavation, quantum of mineral coal and waste should be made.	Condition Complied. No change in production has been made beyond approved EC capacity of 0.60 MTPA. (Copy of Year wise production Details enclosed in Annexure General Condition no. ii)
iii.	Four ambient air quality monitoring stations should be established in the core zone as well as in the buffer zone for SPM, RPM, SO ₂ and Nox monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board.	Condition Complied. Four ambient air quality-monitoring stations have been established in the core zone as well as in buffer zone, i.e.: 1. Manager Officer Tawa-II U/G 2. SAM Office 3. MPEB Colony 4. Hirapalla / Bhagaikhapa Village. Perusal of the test reports reveal that all the monitored parameters are well within the stipulated standards. The stations have been fixed considering the meteorological data, topographical features etc. The Monitoring is carried out with due intimation to MPPCB. Monitoring data has been submitted to MoEFandCCand MPPCB regularly. The latest Environment monitoring results for the month Feb 26 is enclosed as Annexure General Condition no. iii.
iv.	Data on ambient air quality (SPM, RPM, SO ₂ and Nox) should be regularly submitted to the Ministry including its Regional Office at Bhopal and to the State Pollution Control Board and the Central Pollution Control Board once in six months.	Condition Complied. Data on ambient air quality (SPM, RPM, SO ₂ and Nox) are being monitored and regularly submitted to the MPPCB, CPCB and MOEF, Bhopal on regular basis through email and also uploaded in Parivesh Portal along with Six monthly EC Compliance Reports. The latest monitoring results for the month Feb 26 is already enclosed as Annexure General Condition no. iii.
v.	Fugitive dust emissions from all the source should be controlled regularly monitored	Condition complied. This is an underground mine. All the mining activities i.e. Drilling,

S. No	Condition	Compliance
.	and data recorded properly. Water spraying arrangement on haul roads, wagon loading, dump trucks (loading and unloading) points should be provided and properly maintained.	<p>Blasting, Loading, unloading, transportation of coal from districtto surface has been carried out in the closed condition w.r.t. an open cast mine where all the activities are being carried out in exposed circumstances. Along with that, following air Pollution control mechanism has been introduced:</p> <ol style="list-style-type: none"> 1. Spray points have been provided in conveyor belt to prevent emission due to transportation. 2. Tawa - II UG mine does not contain CHP / Coal Crushing facility. 3. All the internal roads have been black topped and regularly maintained to prevent fugitive emission. 4. Sprinkler ,and Rain guns and Fog Canon have been installed along the coal stock Yard, near Internal Coal Transportation Road, Near Weigh bridge and Coal Bunker for dust suppression purpose. 5. Mine is located in a dense forest which is an effective means of Wind barrier Total 245nos of trees have been planted in the Mine Campus to check the emission. 6. Dust sweeping is being carried out manually on regular basis to maintain Good housekeeping and improved working conditions. 7. Transportation of coal through tarpaulin covered trucks to reduce fugitive emission. 8. Project proponent has constructed exclusive coal transportation road to prevent the fugitive emission. This road is also properly maintained by the Mine management. This coal transportation road is not passing through any habitations or human settlements. The details of road is as follows: <ol style="list-style-type: none"> a. External Coal transportation road From Tawa UG Mine to Kali mai Temple = 10.20 km Asphalted road

S. No	Condition	Compliance
		<p>b. Internal Coal transportation road Main gate to weigh bridge and bunker = 220 m RCC Road</p> <p>In addition to that, fugitive emission data is being collected on fortnightly basis. Test reports related to fugitive monitoring data is being undertaken through CMPDIL at 01 no. of locations on a fortnightly basis. Perusal of the test reports reveal that all the monitored parameters are well within the stipulated standards.</p> <p>(Photograph of Air Pollution Control Measures arrangement already enclosed as Annexure Specific Condition no. v.)</p>
vi.	<p>Adequate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc. should be provided with ear plugs/muffs.</p>	<p>Condition Complied.</p> <ul style="list-style-type: none"> ● Ear muffs are being provided to workers working in under ground mining operations. ● Noise monitoring reports as monitored by NABL accredited laboratory i.e., CMPDIL were furnished during the site visit and the noise levels are noted to be well within the stipulated limits. ● Monitoring of Noise levels are being carried out by CMPDIL on fortnightly basis and the results are within the permissible limit. <u>(Copy of the Monitoring report enclosed as Annexure General Condition no - iii)</u>
vii.	<p>Industrial wastewater (workshop and wastewater from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31st December 1993 or as amended from time to time before discharge. Oil and grease trap should be installed before discharge of workshop effluents.</p>	<p>Condition Complied. There is a small unit workshop meeting day to day needs of drills bit sharpening and minor repairs of small drill machines etc. as such there is no effluents or any other kind of liquid waste discharged from workshop.</p> <p>The wastewater generated during the mining operations is the underground seepage water which is being initially accumulated in the mine sump, which acts primary settling pond.</p>

S. No.	Condition	Compliance
		<p>The water from the underground mine sump is again subjected to settling in the sedimentation tank constructed at the surface. The mine water after treatment conforms to the standards prescribed under GSR 742 (E) dated 25.09.2000.</p> <p>An area level central workshop is functional outside the mine lease area, where small fabrication works like Roof bolt Production, Coal tub production have been carried out and no effluent is being generated from the Area workshop.</p>
viii.	<p>Vehicular emissions should be kept under control and regularly monitored. Vehicles used for transporting the mineral should be covered with tarpaulins and optimally loaded.</p>	<p>Condition Complied. Vehicle used in coal transportation are covered with tarpaulins and optimally loaded. PUC is being checked for each vehicle and records are maintained.</p>
ix.	<p>Environmental laboratory should be established with adequate number and type of pollution monitoring and analysis equipment in consultation with the State Pollution Control Board.</p>	<p>Condition Complied. A full-fledged NABL approved Environmental laboratory of CMPDIL working at Jaripatka, Nagpur with qualified multi-disciplinary team of engineers along with adequate no. of field staff for carrying out all the Routine environmental monitoring of all WCL projects including this project and Air, Water and Noise Quality Monitoring is being carried out at every fortnight interval.</p> <p>In Addition to that, one Continuous Ambient Air Quality Monitoring Station has been established in the premises of Area General Manager Office, WCL Pathakhera Area for monitoring of Ambient Air Quality in a continuous manner.</p>
x.	<p>Personal working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance programme of the workers should be undertaken periodically to observe any contraction due to exposure to dust and to take corrective measures, if needed.</p>	<p>Condition Complied. Protective respiratory devices have been provided to Persons working in dusty areas and they have been provided with adequate training and information on safety and health aspects by the Designated Medical Expert Faculty in the Group Vocational Training Centre of Pathakhera Area along with other safety related training as per VT Rules.</p> <p>Periodic medical Examination (PME) of all employees are being carried once in every 5 years as per the DGMS guidelines and records are maintained and submitted to DGMS. During PME the patient are subjected to a complete clinical examination (including</p>

S. No	Condition	Compliance
		<p>vision and hearing) Radiological examination of chest and routine examination of blood and urine. In case of any abnormality is detected during the course of above examination, further investigation is carried out and treatment given as required. WCL has got a team of specialist trained in coal miners pneumoconiosis to take care of the disease and subsequent treatment. WCL is having occupational Health Committee at the corporate level as well as at the unit level for regular health status monitoring of all employees. (Copy of PME Details already enclosed as Annexure Specific Condition no. xii)</p> <p>No person has been detected with coal miners pneumoconiosis during the last 5 years.</p> <p>In Pathakhera Area, A 60 bedded hospital with 11 doctors and 46 paramedical staff are being provided exclusively to cater the round the clock Medical Services to WCL Employees.</p> <p>In addition to that, Medical Examination of 10.69 percent Man power of Tawa - II UG Mine has been carried out through Government District Hospital, Betul. The above Medical Examination include Physical Examinations, Skin and Eye Examination, Ears Inspection, Respiratory System Examination, Genito-Urinary system examination, ECG, BP, RandS and Audiological Evaluation, etc. (Copy of Medical Examination Details of 10 percent Man-Power of Tawa - II Expn. UG carried out by Government District Hospital, Betul already enclosed as Annexure Specific Condition no. xii).</p>
xi.	A separate Environmental management cell with suitable qualified personnel should be set up under the control of s Senior Executive, who will report directly to the Head of the company.	<p>Condition Complied. A separate Environmental management cell exists at Mine Level, Area Level and at Corporate HQ Level.</p> <p>a) At Area Level: Area General Manager of the Area coordinate the environmental activities of various units in the area in implementing all necessary provisions as per act assisted by Area Environment Officer at</p>

S. No	Condition	Compliance
		<p>Area level for generation of environmental data and management of all aspect of environment along with the team of Engineers of CMPDIL for collection, analysis and interpretation of samples.</p> <p>b) At Project level : At project level Sub Area Manager and Manager primarily responsible for land resource management assisted by Project Environment Officer and other staff for Env. Pollution mitigation measures, environment monitoring and field activities like subsidence measurements, dust suppression, etc.</p>
xii.	<p>The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the Ministry and its Regional Office at Bhopal.</p>	<p>Condition Complied.</p> <p>The funds earmarked are used exclusively for Environment protection measures are kept separately in the form of Separate Environment Capital Budget and Environment Revenue Budget and not used for any other purpose.</p> <p>Expenditure under capital head and revenue head since mine inception as maintained and uploaded on Parivesh portal with every Half yearly EC Conditions Compliance Report.</p> <p>Capital Expenditure till March 2026 = Rs. 232.21 Lakhs</p> <p>Revenue Expenditure till March 2026 = Rs. 527.172 Lakhs</p> <p>(Copy of the Environment Capital and Revenue expenditure for FY 2025-26 is enclosed as Annexure.General Condition no. xii)</p>
xiii.	<p>The Regional Office of the Ministry located at Bhopal shall monitor compliance of the stipulated conditions. The Project authorities shall extend full cooperation to the office (s) of the Regional Office by furnishing the requisite data / information /monitoring reports.</p>	<p>Full cooperation shall be extended by the project officials to the Regional Officials of MOEFandCC.</p>
xiv.	<p>A copy of the clearance letter will be marked to concern Panchayat/local NGO, if any, from whom any suggestion / representation has been received while processing the proposal.</p>	<p>Condition Complied.</p> <p>Copies of the Environment Clearance letter have been sent to PANCHAYAT SECY. OF NEARBY VILLAGES (i.e. BHOGAIKHAPA, SHAKTIGARH and SHOBHAPUR VILLAGE) vide letter No. PKD/TAWA - II/2021/ 854 dt. 15/06/2021.</p> <p>In the similar manner, a copy of the Environment Clearance letter has been sent to</p>

S. No	Condition	Compliance
		<p>Gram Bharti mahila Mandal (NGO) vide letter No. PKD/TAWA - II/2021/ 855 dt. 15/06/2021.</p> <p>(A copy of the Environment clearance letter marked to concerned Panchayats / local NGO is enclosed as Annexure General Condition no. xiv)</p>
xv.	State Pollution Control Board should be display a copy of the clearance letter at the Regional Office, District Industry Centre and Collector's Office/ Tahsildar's Office for 30 days.	This Condition is pertaining to MPPCB.
xvi.	The project authorities should advertise at least in two local newspapers widely circulated around the project, one of which shall be in the vernacular language of the locality concerned within seven days of the clearance letter informing that the project has been accorded environmental clearance.	<p>Condition Complied.</p> <p>In 2006, on receipt of EC copy, PP has given the advertisement in the following newspapers:</p> <ol style="list-style-type: none"> 1. NAV BHARAT (NAGPUR EDITION) IN HINDI LANGUAGE ON 23.02.2007 2. DAINIK JAGARAN(BHOPAL EDITION) IN HINDI LANGUAGE ON 23.02.2007 3. LOKMAT SAMACHARIN HINDI LANGUAGE ON 19/09/2006 4. DAINIK MAT MATANTAR IN HINDI LANGUAGE ON 06/10/2006 <p>In 2021, on receipt of revalidated EC copy, We have given the advertisement in the following newspapers:</p> <ol style="list-style-type: none"> 1. NAV BHARAT (BHOPAL EDITION) IN HINDI LANGUAGE ON 21.01.2021 2. RAJ EXPRESS - (BETUL EDITION) IN ENGLISH LANGUAGE ON 21.01.2021 <p>(Copies of advertisements attached as Annexure to General Condition no. xvi)</p>
3.	The ministry or any other competent authority may stipulate any further condition for Environmental protection.	The PP agrees to the condition.
4.	Failure to comply with any of the condition mentioned above may result in with drawl of this clearance and attract the	The PP agrees to the condition.

S. No.	Condition	Compliance
	provisions of the environmental protection Act 1986	
5.	The above conditions will be enforced inter alia under the provision of the water (Prevention and control of pollution) Act 1974 and Air (Prevention and control of pollution) Act 1981 the environmental (Protection) Act 1986 and the public Liability insurance Act 1991 along with their amendment and rules.	The project agrees to the condition.

C. Additional Conditions Stipulated in Revalidation of EC vide MOEF OM No. J-11015/53/2006-IA-II(M)Dated 15th January, 2021

S. No.	Condition	Compliance
1	PP shall obtain prior permission of Central Ground Water Authority for extraction or intersecting of ground water.	Condition complied. Mine Management has already obtained No Objection Certificate (NOC) for Ground Water Abstraction from Central Ground Water Authority for vide renewed NOC No: NOC/MIN/MP/2025/13238/R-2 dated 15/01/2026 valid up to 16/12/2027. (CGWA NOC copy enclosed in Annexure Revalidation EC Condition-1)
2	Transportation of coal shall be done only on concrete road instead of kuchcha road -Bhogaikhapa (presently being done). Concrete road shall be built within six months and compliance shall be submitted to Ministry's Regional Office.	Condition duly complied. Transportation of coal is being done only on concrete road. Black topped metalled road provided and maintained for transportation of coal: <ol style="list-style-type: none"> 1. Main gate to Tawa junction= 5.5 km 2. Mine gate to bunker to Weigh bridge = 220 meter <p>Mining activities including coal transportation are far away located from the Bhogaikhapa Village.</p> <p>In compliance of MoEFandCC directives, the work of Construction of Cement concrete road of length 400 m at Bhogaikhapa village has been awarded vide letter no. PK/Civil/2020-21/2620/656 dated 01/01/2021 and has been completed. (Copy of Work Award letter and Photographs of RCC road enclosed as AnnexureRevalidation EC Condition-2).</p>

S. No.	Condition	Compliance
		<p>In addition to this the work of “Construction of road from Hirapalla towards Bhogaikhapa in Bhogaikhapa village under CSR activity 2023-24” has been awarded vide letter no. WCL/PKD/Civil/2023-24/F-189/600 dated 05.01.2024 and has been completed (Copy of Award letter and Photographs of the RCC road constructed is enclosed as Annexure Revalidation EC Condition-2).</p>
3.	<p>PP shall be use only High axle trucks of 40-50 tonne capacity for transportation of coal.</p>	<p>Condition Complied. MPPGCL, Sarni is carrying out the job of Coal transportation from Mine to STPS Sarni. Hence, PP has formally communicated and informed the officials of MPPGCL, Sarni regarding the compliance of above condition and for deployment of High axle trucks of 40-50 tonnes capacity for transportation of coal through letter no : PK/SA/TAWA-II / 950 dated 20/06/2021. (Copy of Letter to MPPGCL, Sarni reg. deployment of high axial trucks enclosed as Annexure Revalidation EC Condition-3). Accordingly, Coal transportation is being done by high axle trucks of 40tonnes and above.</p>