ADITYA BIRLA

EMMRL

Ref: EMMRL/BND/EC/2026-27/ 65 Date: 24.11.2026

To,
The Additional Director,
Ministry of Environment Forest & Climate Change
Integrated Regional Office, E-5,
Kendriya Paryavaran Bhawan, E-5 Arera Colony,
Link Road-3, Ravishankar Nagar, Bhopal – 462016

Sub: Submission of Half yearly Compliance Report (Apr' 2026 - Sept' 2026) of Environmental Clearance for Bandha Opencast Coal Mine of 5 MTPA capacity in mine lease area of 1850.94 ha of M/s EMIL Mines and Mineral Resources Limited (EMMRL) located at Village Bandha, Tenduha, Pidarwah, Deori & Pachaur, Tehsil Sarai, District Singrauli (M.P.)

Ref: EC Letter No:IA-J-11015/54/2021-IA-II(M) Dated 19.11.2024 & Amendment dated 25.07.2025

Dear Sir/ Madam,

With reference to subject matter, the half yearly compliance report of accorded Environmental Clearance for Bandha Opencast Coal Mine of 5 MTPA capacity in mine lease area of 1850.94 ha of M/s EMIL Mines and Mineral Resources Limited (EMMRL) located at Village Bandha, Tenduha, Pidarwah, Deori & Pachaur, District Singrauli (M.P.) for the period of April' 2026 to Sept' 2026, is being submitted.

This for your kind consideration.

Thanking You,

Yours Faithfully

For EMIL Mines & Mineral Resources Limited

P.S. Sinha 24/11/26

Authorized Signatory
Bandha Coal Block

Encl: As Above

Copy to 1- The Director, Ministry of Environment Forest & Climate Change, Indira Paryavaran, Bhawan, Jorbagh Road, New Delhi- 110003
2- The Regional Director, Central Pollution Control Board, Parivesh Bhawan, Paryavaran Parisar, Sec - E5, Arera Colony, Bhopal (MP) 462016
3- The Member Secretary, M.P. Pollution Control Board, Paryavaran Parisar, E5, Arera Colony, Bhopal (MP) 462016
4- The Regional Officer, M.P. Pollution Control Board, Bhakuar, Naugarh, District – Singrauli (MP) 486887

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CIN: U14290WB2020PLC236717 | T: +91 33 4455 5500 | F: +91 33 4455 5537
E: emmrl.registered@adityabirla.com

Your (Half Yearly Compliance Report) has been Submitted with following details	
Proposal No	IA/MP/CMIN/425307/2023
Compliance ID	1230384754
Compliance Number(For Tracking)	EC/COMPLIANCE/1230384754/2026
Reporting Year	2026
Reporting Period	01 Dec(01 Apr - 30 Sep)
Submission Date	26-11-2026
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.

POINT WISE COMPLIANCE OF ACCORDED ENVIRONMENTAL CLEARANCE OF BANDHA OPEN CAST COAL MINE OF M/S EMIL MINES AND MINERAL RESOURCES LIMITED (EMMRL) CAPACITY 5.0 MTPA, DISTRICT SINGRAULI, MADHYA PRADESH **File No.: IA-J-11015/54/2021-IA-II(M) Dated 19.11.2024 & EC Amendment Dated 25.07.2025**

(FOR PERIOD OF APRIL' 2026 TO SEPT' 2026)

S.N.	CONDITIONS	COMPLIANCE
SPECIFIC CONDITION		
1	PP shall obtain CTE/CTO from State Pollution Control Board for 5.0 MTPA production capacity for open cast operation.	CTE & CTO has been obtained from Madhya Pradesh Pollution Control Board vide Consent Order No: CTE-62234 Dated 21.05.2025 and Consent Order No: AWH-62925 Dated 05.09.2025 and subsequent renewal vide Consent Order No AW64555 dated 10.06.2026 respectively. CTO has been granted for initial mine development. Coal Production has not yet started.
2	PP shall divert the Kanchanmuda Nallah in a manner that its construction for diversion shall be covered in one go without extended period and works plan shall be designed to complete the diversion avoiding Monsson season (i.e effective working months of non-monsoon season). Embankment height shall be maintained on both side of stream with sufficient free board upto 3 mts from its HFL	Noted
3	PP shall maintain 50 mts width of embankment all along the diverted stream/nallah (Kanchanmuda) and conduct dense plantation with fruit bearing native species by itself.	Condition will be complied with
4	The diversion of Kanchanmuda Nallah shall be monitored by IRO and complete report with the drone video and satellite imagery shall be submitted to IRO, MoEF&CC	Noted
5	PP shall prepare Gabion wall and garland drain all along the OB dumps to catch the surface run-off and sludge coming from dump along with construction of catch drain along the periphery of mine to prevent surface runoff and sedimentation pond to arrest Total Suspended Solids (TSS) particles	Garland drains of length 3100 meters all along the developing OB dump has been constructed. Catch drains of appropriate length and gradient have been constructed around the periphery of mine pit to prevent surface runoff and sedimentation pond has been constructed to arrest Total Suspended Solids (TSS) particles
		
	Catch drain along the mine pit	Garland Drain along OB Dump

6	PP shall install dedicated inpit conveyor belt with silo loading system till railway siding for transportation of 90% of extracted coal through rail on or before December, 2027and only 10% shall be transported by road. Accordingly, SPCB should grant the consent to operate	Condition will be complied with as per stipulation.
7	Till the period of setting up mechanized system, PP shall deploy the truck size of upto 40 tonnes (payload) for transportation of coal by dedicated road not passing through village or any sensitive locations. Transportation of coal shall be done in covered trucks only till December, 2027	Noted. Condition will be complied with start of coal production.
8	The mining plan shall be revised/ amended at later stage after incorporating the diversion of Nallah in one go with year-wise coal production	Noted
9	PP shall implement activities-wise proposed budget of Rs. 1672 lakhs (as Public Hearing Budget) in time bound manner as in Table 7-2 Chapter 7 on page no. 435 of EIA report, Rs. 10642 Lakhs as a capital cost and Rs 106.42 lakhs for recurring cost (EMP budget) in time bound manner as in Table 10.5, Chapter 10 on page no. 480 of EIA report. The details of annual expenditure shall be part of report submitted to IRO, MoEF&CC. PP needs to include the audited figures against the expenditure and activities to be monitored by through dedicated online monitoring mechanism. The maintenance of all activities shall be covered through recurring cost of Public Hearing, which will be part of CSR budget	All the activities proposed to address the issues raised in public hearing is being/ will be completed in time bound manner after commencement of mine operations. A sum of Rs 55.15 Lacs has been utilized for providing quality primary healthcare facility to the community through Smile Foundation, New Delhi, during FY 2025-26 Under livelihood and skill development of youths and women from nearby villages, various initiatives have been taken viz 1- 10 Nos of villagers have been provided the dumper operators training. 2- 13 villagers have been provided exposure visit and supported for orchard farm development at an area of around 17.5 Acre. 3- To promote agro-farming and vegetable cultivation, 7 villagers including 5 women have been trained at the nursery of the mine. 4- Facilitated a training programme of beautician and stitching. In which 11 women took part and developed skill in these trades
		
Health & Hygine Awarness at Village School		**Mobile medical aid through Smile Foundation**

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<tr><td colspan="2">Health & Hygine Awarness at Village School</td></tr>
<tr><td></td><td></td></tr>
<tr><td colspan="2">Women engaged in agro farming & vegetable cultivation</td></tr>
<tr><td></td><td>
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<tr><td>Exposure visit of villagers to Sawai Madhopur</td><td>Dumper Operator’s Training</td></tr>
<tr><td></td><td></td></tr>
<tr><td>Beautician Training</td><td>Stitching Training</td></tr>
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Livelihood development through participation of women at silk reeling centre		**Livelihood development – vermicomposting units**
10	PP needs to protect the tribal population as per forest right act, 2006 and under the supervision of District Collector, Singrauli	NOC has been issued by District Collector Singrauli vide letter 872/bhuarjan/23 dated 24.05.2023. All the benefits of R&R will be given accordingly.
11	PP shall provide protection to the agriculture field lying inside the ML area from dust and polluted water	All precautionary measures will be taken to control the dust emission and water pollution.
12	As proposed during the meeting, PP will reduce the carbon footprint after sequestration of CO2 and the total carbon sequestration potential is approximately 435519 kg/year wherein the carbon sequestration per tree is approximately 32.78 kg/year. PP shall complete the plantation for total 3277350 no of trees to sequestered estimated potential of carbon i.e., 25938838.14 kg/year. IRO will review the progress of tree plantation w.r.t CO2 sequestration. The process of sequestration of CO2 will include the planting trees, by "Developing carbon capture and storage (CCS) technologies" and implementation of solar energy. Further, PP shall carry out enough plantation to ensure carbon sequestration lost due to deforestation and other fossil fuel-based activities. With all efforts, PP to ensure after 6th year no carbon to be emitted and net zero CO2 shall take place	Year wise plantation will be done as per approved mine plan. As a responsible corporate, Bandha Coal Mine will also align with the Aditya Birla Group's aims to achieve net zero carbon emissions by adopting available technologies.
13	PP shall complete the dense plantation along mine roads, on OB dumps and non- dump areas with local species particularly of Sal tree/species. PP shall develop 10 ha of Sal nursery in the project area and yearly minimum 10,000 saplings to be distributed among near villagers for afforestation purpose.	Year wise plantation will be done as per approved plan. Also, a nursery is being developed to grow plant saplings of Sal and other local species.
		

14	PP shall complete the plantation in an area of 1310.94 ha @ 2500 plants per ha during the closure of mine. IRO will monitor the coverage of the area through plantation from time to time. The plantation shall also be done in Infrastructure and undisturbed area of 130 Ha proportionately to increase the tree density	Year wise plantation will be done as per approved plan.
15	PP shall maintain the same distribution of species during the progressive mine closure of the lease area. As well as 295 Ha of reclaimed Land to be converted into agriculture land after completing the mining	Condition will be complied with during progressive mining operation as per approved mining plan.
16	PP shall monitor regularly water levels in open dug wells located in village and by establishing Piezometer to ascertain the impact of mining over ground water table and to plan mitigative measures to recharge the area	Water level is being monitored in identified open wells/ borewell in the nearby villages. **Water level monitoring of monsoon period is enclosed as Annex -1**. Also, two Piezometers will be installed to monitor the water level within the block area.
	   **WATER LEVEL MONITORING**	
17	Main haul road in the mine shall be provided with permanent water sprinklers, and other roads shall be regularly wetted with water tankers fitted with sprinklers. Also PP shall install Mist Cannon Dust Suppression Systems (80-100 mtrs.) at Coal Stock Yard to suppress the dust particles.	Mine is in initial developmental phase. Pressurized water tankers fitted with sprinklers have been deployed. As per directives Mist Cannon Dust Suppression Systems will be deployed at the proposed Coal Stock Yard
	  **PRESSURISE WATER TANKERS FOR DUST SUPPRESSION**	

18	Garland drains (2mX3m) of adequate size shall be provided at the toe of the benches to arrest discharge and runoff with silt and sediments surging into areas adjoining the periphery of Overburden dump, which will be regularly cleaned before the onset of monsoon every year	Garland drain of appropriate size has been constructed along the developing OB dump to arrest the flow of any silt and sediments 
19	Check dams shall be constructed at required locations within drains to arrest eroded materials and settling ponds shall be constructed to treat mine discharge water inside the mine block.	Settling Pond has been constructed to settle the sediments. Check dams will be constructed at required locations within the drains to control the flow of silt. 
20	As proposed 5 water harvesting pond shall be created separately to recharging the ground water and usage of project affected families	Proper rainwater harvesting techniques including construction/ renovation of ponds will be adopted for groundwater recharge.
21	Proper profiling of working benches of pits and dumps shall be done to channelize water in garland drains & sumps	Condition will be complied as mining operations advances
22	Waste generated from the domestic use shall be treated in STP and the treated water will be utilized in plantation & greenbelt development. Wastewater from the HEMM washing/ workshop will be treated in ETP. After treatment, water will be reused in washing of HEMM, dust suppression and greenbelt development.	Currently mine is in developmental phase. It has been planned to establish Sewage Treatment Plant for treatment of domestic waste water and a ETP for treatment of effluent which will be generated from the workshop. Water generated will be reused as suggested.
23	Project proponent shall restrict the mining activities to its mine lease area only. OB dumping shall be done as per the approved Mine Plan and Mine Closure Plan with all requisite statutory permissions obtained from the concerned competent authority.	Mining activities will be limited to mining lease area. Operations are being/will be carried out strictly as per the approved mining plan & mine closure plan and other statutory clearances.
24	PP shall make use of advanced computer simulation techniques for design and execution of blasting operation in the mine. 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	Controlled blasting technique is adopted to minimise ground vibrations, fly rocks and dust generation.

25	PP shall explore the possibility & deploy atleast 20% of overall fleet of dumpers/ trucks as electrical or CNG/LNG based dumpers/ trucks for transportation of coal/ OB etc and deploy e-vehicles for workers /staff in/out of the mine	Possibility will be explored based on available technologies.
26	PP shall create a "Public Grievance Redressal and Monitoring System" for resolving any issues related to the pollution of mines and complaint has to resolve as soon as possible not beyond 30 days. In this regard, adequate awareness to be spread among the public to address their grievance to company with simple and easy manner and for which company needs to devise the mechanism. The same shall be reported to IRO within 3 months. A logbook to be maintained by PP on "Public Grievance Redressal and Monitoring System	Appropriate public grievance redressal system will be developed and communicated to IRO.
27	PP shall ensure distribution of water from the artificial reservoir within and outside Mine lease area in consultation with gram panchayat. The water treatment plant to meet the requirement with the start of production	Water will be provided to nearby villages based on requirement after appropriate treatment.
28	PP shall install fixed fog cannon (mist spayer) and fixed sprinkler all along the haul road/ CHP, and OB dump till Railway siding is completed. The sufficient number of fog cannons (not less than 10 nos.) with 40 mts jet length shall be installed within 6 months. It should be ensured that air pollution level confirm to the standards prescribed by the MOEFCC/CPCB.	Currently mine is in developmental phase. Appropriate dust suppression measures shall be undertaken, as mining operations advances
29	PP shall deposit the approved amount as proposed for wildlife conservation plan to the Govt. of Madhya Pradesh, Forest & Environment Dept. and further consult with State Biodiversity Authority for its CSR activity."	Site-Specific Wildlife Management Plan has been approved by PCCF, Bhopal vide letter dated 09.06.2023. An amounting to 902.7 Lacs has been deposited in the CAMPA fund account vide UTR No N25087573113 dated 28.03.2025 State Biodiversity Authority will be consulted for CSR activities after mining operations are commenced.
30	PP shall construct new multispecialty (50 beds) hospital in the 10 km of the project area within 5 years for local people out of approved budget. The project affected families shall be given free medical facility. This shall be done in consultation of DM of the district.	As per duly approved R&R Policy of Bandha Coal Block a well-equipped hospital will be established, in which the project affected families will be provided free medical facility
31	PP shall conduct third party audit of compliance of EC condition at an interval six months and its report shall be submitted to IRO, MoEF&CC	Noted and will be complied with.
32	The status of mine closure activities must be included in every six months compliance report submitted to the state pollution control board and IRO.	Bandha Coal Mine is presently in the developmental phase. Mining and associated site development activities are being undertaken in accordance with the approved Mining Plan, Progressive Mine Closure Plan and Environment Management Plan. The status of activities

<table>
<tr><td></td><td></td><td>contributing to progressive mine closure and environmental protection is presented below:
<table>
<tr><th>Sl. No.</th><th>Particulars</th><th>Progress Status</th></tr>
<tr><td>1</td><td>External Overburden (OB) stacking outside the mine pit</td><td>6.431 lakh m³ (LCM)</td></tr>
<tr><td>2</td><td>Topsoil stacking at earmarked storage locations</td><td>1.817 lakh m³ (LCM)</td></tr>
<tr><td>3</td><td>Construction of garland drain along the external OB dump</td><td>3,100 m</td></tr>
<tr><td>4</td><td>Construction of catch drain along the mine pit</td><td>2,500 m</td></tr>
</table>

The excavated topsoil is being preserved separately for its subsequent utilization in reclamation and plantation activities.
External OB is being stacked at designated locations as per the approved mine plan and dump management plan.
Garland drains and catch drains have been constructed to manage surface runoff and minimize soil erosion and siltation from the dump and mine pit areas.
Further reclamation, dump stabilization, biological reclamation and plantation activities shall be undertaken progressively in accordance with the approved Mine Closure Plan as the mine development progresses.
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<tr><td>33</td><td>PP to maintain the topped haul road properly to minimized the dust emission. PP to also develop pucca roads by seeking consent from the panchayat with widening of roads especially roads inter linking the villages within the study area of 10 km radius buffer zone</td><td>Noted and will be complied with.</td></tr>
<tr><td>34</td><td>PP to install solar lights along the road used for transportation of minerals to avoid the accidents at night and also seek its maintenance. PP is asked to also identify the rural areas for installation of solar light with its maintenance within the study area of 10 km radius buffer zone within one year.</td><td>Solar street lights will be installed, if the possibility of coal transportation through road arises. Also, solar lights are being installed at prominent locations of villages. Details Attached as Annex -2</td></tr>
<tr><td></td><td colspan="2"> 
SOALR STREETLIGHTS IN NEARBY VILLAGES</td></tr>
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35	PP to provide bio toilets to the villages located within the study areas within 1 year from the grant of this EC.	Need based identification of locations in the nearby villages of the project area, is being done. Bio toilet/ Toilet blocks are being/ will be constructed in nearby villages.
	 **Bio-toilet at Lamidha Village**	
36	Persons of nearby villages shall be given training on livelihood and skill development to make them employable with its proper records.	Skill development training is being given in affected villages 1- ITI training in different trades are being provided to village youths as per their eligibility and requirement 2- Other Programmes including Silk Reeling Centre, Beautician Training, Stitching training, agro-farmimg etc to village women 3- Training of Azolla farming and vermicomposting has been given to villagers 4- Training provided to 10 village youths for dumper operator Need based assessment is also being conducted for skill development requirement to villagers of nearby area. **Some photograph of livelihood and skill development activities for nearby villagers are enclosed as Annex -3**
37	PP shall pay to farmers of agricultural land if there is any loss due to pollution found by concerned District Commissioner as per extent rules or norms.	Noted and will be complied with.
38	PP should establish in house (at project site) environment laboratory for measurement of environment parameter with respect to air quality and water (surface and ground. A dedicated team to oversee environment management shall be setup which should comprise of Environment Engineers, Laboratory chemist and staff for monitoring of air, water quality parameters on routine basis. Any non-	All the applicable parameters of air and water quality is being monitored at designated locations and at defined frequencies by NABL Accredited laboratory. A team of suitably qualified professionals have been employed to oversee the environmental management of the mine. **Ambient Air Monitoring and Water quality monitoring reports are enclosed as Annex -4**

	compliance or infringement should be reported to the concerned authority.	
39	Hon'ble Supreme Court in an Writ Petition(s) Civil No. 114/2014, Common Cause vs Union of India & Ors vide its judgement dated 8th 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 the Regional Office of the MoEF&CC.	Noted and shall be complied
40	PP shall conduct feasibility studies for assessment of voids for backfilling of ash and mixing of ash with overburden, taking up backfilling ash and OB mixing activities during operations as well as post closure of mines in line with the Fly Ash Utilization Notification, 2021	Currently mine is in developmental phase, feasibility studies for the utilization of fly ash as per MOEF notification will be undertaken in coming years as the mine advances
Additional Specific Condition		
1.1	Project Proponent shall develop concurrent plantation over the OB dump in such a way that the nearby forestland is not degraded. Plantation shall be done using native, fast-growing, and deep-rooted species for quick stabilization. Multi – tier plantation shall be done using grasses, shrubs, pioneer trees and native species.	Duly noted and shall be complied with.
1.2	Project proponent shall ensure that adequate number of fixed water sprinklers on the OB dump for dust suppression purpose.	Noted and shall be complied with
1.3	Project proponent shall explore the feasibility of using the mine voids of the neighbouring mines for dumping of OB, in line with the para 4.3 of MoC Guidelines dated 31.01.2025.	Noted and shall be complied with.
B. Standard EC Conditions		
(a) Statutory compliance		
(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	Final Forest clearance stage II has been obtained from MoEFCC vide letter 8-17/2023-FC dated 30.04.2025
(ii)	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable	It has been submitted that no protected area, National Park, Wildlife sanctuary or Biosphere reserve falls within 10 Km radius of the project.

(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).	Site specific wildlife management plan, recommended by DFO Singrauli, has been approved by Chief Wildlife Warden and PCCF (WL) vide letter No. WL/DM/2022 /MINE-140/5344 dated 09.06.2023. The cost for implementation of Site-Specific Wildlife Management Plan for implementation within the project impact area amounting to 902.7 Lacs has been deposited in the CAMPA fund account vide UTR No N25087573113 dated 28.03.2025
(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 Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee	CTE and CTO has been obtained from Madhya Pradesh Pollution Control Board vide Consent Order No: CTE-62234 Dated 21.05.2025 and Consent Order No: AWH-62925 Dated 05.09.2025 and subsequent renewal vide Consent Order No AW64555 dated 10.06.2026 respectively. CTO has been granted for initial mine development. Coal Production has not yet started
(v)	The project proponent shall obtain the necessary permission from the Central Ground Water Authority.	NOC from Central ground water authority was obtained vide number CGWA/NOC/ MIN/ORIG/2022/17071. Renewal of the same has been granted vide order no CGWA/NOC/MIN/REN/1/2025/11763 dated 11.07.2025 Valid upto 17.11.2026
(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.	Hazardous waste generated from mine will be stored and disposed in a scientific manner as per Hazardous Waste Management Rules 2016.
(b) Air quality monitoring and preservation		
(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 PM10, PM2.5, SO2 and NOx. 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, Ni, Cd, Cr, etc to be carried out at least once in six months	Two CAAQMS has been procured and are being installed considering the meteorological parameters and suitability at site. Monitoring of heavy metals in ambient air is being monitored on six monthly basis from NABL accredited Laboratory. **Copy of Monitoring reports of heavy metals is enclosed as Annex -5**
(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 25th 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	Ambient air quality is being monitored in core and buffer zone as per prescribed standards at designated locations. Monitoring reports are enclosed as Annex - 4 for submission to Regional Offices of MoEFCC, CPCB and MPPCB

	other monitoring data shall be regularly reported to the Ministry/Regional Office and to the CPCB/SPCB	
(iii)	Transportation of coal, to the extent permitted by road, 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 PM10/ PM2.5) 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	All precautionary measures are being/will be taken to control the fugitive emissions viz; covered belt conveyor, dust suppression through water sprinklers/ rain guns. All due care is being/ shall be taken to maintain the Ambient Air Quality parameters within the prescribed limits
(iv)	The transportation of coal shall be carried out as per the provisions and route envisaged in the approved Mining Plan or environment monitoring plan. Transportation of the coal 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	Noted and will be complied.
(v)	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	All the vehicles engaged in mining operations are having valid PUC certificate. **A list of PUC status is enclosed as Annex -6.**
(vi)	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 gantry should be made to avoid air borne dust. Drills shall be wet operated or fitted with dust extractors	Proposed belt conveyor system shall be equipped with measures to control the fugitive emissions. Dust suppression will be done effectively at coal stock pile. All control measures shall be undertaken in stringent manner
(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	Effective dust control measures will be provided at coal handling plant to control the dust emission.
(c) Water quality monitoring and preservation		
(i)	The effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the Water Act, 1974 Coal Industry Standards vide GSR 742 (E) dated 25th September, 2000 and as amended from time to time by the Central Pollution Control Board.	ETP will be installed for treatment of waste water generated from workshop and treated water quality will conform the specified standards
(ii)	The monitoring data shall be uploaded on the company's website and displayed at the project site at a suitable location. The circular No.J-20012/1/2006-IA.11 (M) dated 27th May, 2009	Monitoring data is being uploaded over company website along with six monthly monitoring report. Also, the summary of monitoring results will be

	issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance	displayed at mine site, once the office will be operational at site.
(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 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 a year, and the data thus collected shall be sent regularly to MOEFCC/RO	Water level is being monitored in identified open wells/ borewell in the nearby villages. **Water level monitoring of monsoon period is enclosed as Annex -1**. Also, two DWLR will be installed to monitor the water level within the block area. **Monitoring reports of groundwater quality is enclosed as Annex -4.**
(iv)	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.	Water quality of Bandha Nala is enclosed as **Annex 7**
(v)	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	Mine water will be used for fulfilling the requirement of mining operations. Rainwater Harvesting will be practiced for augmentation of groundwater table.
(vi)	Catch and/or garland drains and siltation ponds in adequate numbers and appropriate size shall be constructed around the mine working, coal heaps & OB dumps to prevent run off of water 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 de-silted particularly before onset of monsoon and maintained properly. 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 and other industrial use. 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	Catch and garland drains along with siltation ponds have been/will be constructed based on requirement at all required places as to prevent runoff and flow of sediments. Dumps will be consolidated and water accumulation over dumps will be avoided. Desilting of ponds will be done regularly as mentioned. Sumps of adequate capacity will be designed to allow settling of silt. Sump water will be utilised for dust suppression and green belt development. Native species will be planted in dumps and at other locations as mentioned.
(viii)	Adequate groundwater recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby village(s) after due treatment conforming to the specific requirement (standards).	Ground water recharge measures will be adopted for augmentation of groundwater table. Also, water to the nearby villages shall be provided on requirement basis

(ix)	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 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.	Noted, Condition will be complied
(x)	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. The drains shall be regularly desilted particularly after monsoon and maintained properly.	Noted, Condition will be complied
(xi)	The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations, considering the presence of 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/GoI Authority. 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 other authority as prescribed by the law	Noted and shall be complied with.
(xii)	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 rivarine/riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government	Noted and shall be complied with.
(d) Noise and Vibration monitoring and prevention		
(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 and guidelines in this regard. Adequate awareness programme for users to be conducted. Progress in usage of such accessories to be monitored.	All precautionary measures are being taken to control the noise well within the prescribed limits. **Work place noise monitoring report is enclosed as Annex -8** All required PPEs are provided to workers engaged in mine operations.
(ii)	Controlled blasting techniques shall be practiced in order to mitigate ground vibrations, fly rocks, noise and air blast etc., as per the guidelines prescribed by the DGMS	Controlled blasting is practiced as per DGMS Guidelines.

(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	Noted. Noise level monitoring is conducted at designated locations at work place. **Work place noise monitoring report is enclosed as Annex -8**
(e) Mining Plan		
(i)	Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable	Condition is being complied.
(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).	Condition is being complied.
(iii)	No mining shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980.	Final Forest clearance has been obtained from MoEFCC vide letter 8-17/2023-FC dated 30.04.2025. Mining will be done as per approval.
(iv)	Efforts should be made to reduce energy and fuel consumption by conservation, efficiency improvements and use of renewable energy.	Noted and shall be complied with.
(f) Land reclamation		
(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 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).	Satellite-based remote sensing surveys of the entire leasehold has been conducted to monitor land use patterns, as per MoEFCC guidelines, by accredited consultancy M/s J.M. EnviroNet Pvt Ltd. Report was submitted to MoEFCC with previous EC compliance report vide letter EMMRL/BND/ 2026-27/12 dated 28.05.2026
(ii)	The final mine void depth should preferably be as per the approved Mine Closure Plan, and in case it exceeds 40 m, adequate engineering interventions shall be provided for sustenance of aquatic 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 purposes 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 27th August, 2009 and subsequent amendments.	Noted, will be complied.
(iii)	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 land	All land reclamation activities including backfilling, external OB dump management (including topsoil), and afforestation will strictly follow the approved Mining Plan and the land use plan provided in the EIA/EMP report. Progressive land reclamation and compliance will be monitored regularly, and status reports will be submitted to

	use pattern shall be submitted to the MOEFCC/RO.	MoEFCC/Regional Office along with the six-monthly compliance reports.
(iv)	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 subparagraph (8) of fly ash notification issued vide SO 2804 (E) dated 3rd November, 2009 as amended from time to time. Efforts shall be made to utilize gypsum generated from Flue Gas Desulfurization (FGD), if any, along with fly ash for external dump of overburden, backfilling of mines. Compliance report shall be submitted to Regional Office of MoEF&CC, CPCB and SPCB.	Currently mine is in developmental phase, feasibility studies for the utilization of fly ash as per MOEF notification will be undertaken in coming years as the mine advances.
(v)	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.	Noted, Condition will be complied
(vi)	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 areas for livestock grazing, if any. In this context, the project proponent shall implement the directions of Hon'ble Supreme Court with regard to acquiring grazing land.	Noted, will be complied.
(g) Green Belt		
(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. The Action plan in this regard, if any, shall be prepared and implemented in consultation with the State Forest and Wildlife Department.	Site specific wild life management plan, recommended by DFO Singrauli, has been approved by Chief Wildlife Warden and PCCF (WL) vide letter No. WL/DM/2022 /MINE-140/5344 dated 09.06.2023. The cost for implementation of Site-Specific Wildlife Management Plan for implementation within the project impact area amounting to 902.7 Lacs has been deposited in the CAMPA fund account vide UTR No N25087573113 dated 28.03.2025

(ii)	Greenbelt consisting of 3-tier plantation of width not less than 7.5 m shall be developed all along the mine lease area as soon as possible. The green belt comprising a mix of native species (endemic species should be given priority) shall be developed all along the major approach/ coal transportation roads	A greenbelt of 7.5 m width will be developed around the mine lease boundary. Avenue plantation along all major coal transportation and approach roads using native species will be done.
(h) Public hearing and Human health issues		
(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 ministry & it's RO on six-monthly basis	Adequate illumination levels at all mine locations in compliance with DGMS standards is being maintained. **Illumination survey report of month Sept-26 is enclosed as Annex 9.**
(ii)	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 personnel 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	Initial medical examinations and periodical medical examinations are being conducted as stipulated.
(iii)	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.	All required PPEs including nose mask are provided to the personnel engaged in mining operations
(iv)	Implementation of the 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. Land oustees shall be compensated as per the norms laid down in the R&R policy of the company/State Government/Central Government, as applicable.	All the activities proposed to address the issues raised in public hearing is being/ will be completed in time bound manner. A sum of Rs 55.15 Lacs has been utilized for providing quality primary healthcare facility to the community through Smile Foundation, New Delhi Solar streetlights are being installed at suitable locations in nearby villages. Six solar streetlights have been installed at prominent locations of 3 villages namely Pachaur, Deori and Chhataini. Bio-toilet/ Toilet blocks are being installed at identified locations. One Bio-toilet has constructed at Lamidha Village. Under livelihood and skill development of youths and women from nearby villages, various initiatives have been taken viz 1- 10 Nos of villagers have been provided the dumper operators training.

		2- 13 villagers have been provided exposure visit and supported for orchard farm development at an area of around 17.5 Acre. 3- To promote agro-farming and vegetable cultivation, 7 villagers including 5 women have been trained at the nursery of the mine. 4- Facilitated a training programme of beautician and stitching. In which 11 women took part and are developed skill in these trades Land oustees will be compensated as per approved R and R policy of the Bandha Coal Block.
(v)	The project proponent shall follow the mitigation measures provided in this Ministry's OM No.Z-11013/5712014-IA.I1 (M) dated 29th 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.	Condition is being complied.
i) Corporate Environment Responsibility		
(i)	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/ conditions. The company shall have defined system of reporting infringements/ deviation/violation of the environmental/ forest/wildlife norms/conditions and/or shareholders/stake holders.	A comprehensive Environmental Policy has been laid, prescribing all the stipulated norms and scope of environmental management. **Copy of Environment Policy is enclosed as Annex -10**
(ii)	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization	An Environmental Cell has been constituted with suitably qualified professionals.
(iii)	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to 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.	An action plan for the implementation of the Environmental Management Plan will be prepared and executed as per plan. Also, the progress of EMP will be communicated to IRO vide six monthly compliance report of EC.
(iv)	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out	Noted, Self-environmental audit and third-party audit will subsequently be conducted as per stipulation

(j) Miscellaneous		
(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.	News of EC Award has been published in two newspapers namely Dainik Bhaskar and Nav Bharat. **Copy of the news clipping is enclosed as Annex -11**.
(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.	Copy of Environmental Clearance has been submitted to concerned panchayats and Tehsil Office, for display at their notice boards. **Acknowledgement Copy of letters is enclosed as Annex -12**
(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	Status of the compliance of stipulated EC conditions are being regularly uploaded over company website.
(iv)	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, 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.	Environment monitoring of various parameters are being done by NABL Accredited laboratory, regularly at suitable locations in core and buffer zone of the project. **Copy of monitoring reports are enclosed as Annex - 4**
(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 environment clearance portal.	Six monthly EC compliance of stipulated conditions is being uploaded over Parivesh portal of MoEFCC as per specified schedule. https://parivesh.nic.in//utildoc/1223017817_1780092844278.pdf
(vi)	The project proponent shall follow the mitigation measures provided in this Ministry's OM No.Z-11013/5712014-IA.I1 (M) dated 29th 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.	Condition is being complied.
(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	Environmental Statement for each financial year is being submitted to MPPCB and also uploaded on the company website. Last Environmental Statement has been submitted to MPPCB vide letter EMMRL/Bandha/Return/ 2026-27/ 27 dated 05.08.2026. Also, the same has been uploaded over company website.

		https://www.hindalco.com/Upload/PDF/bandha-coal-environment-statement-report-form-v-fy-25-26.pdf
(viii)	The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.	Box cut of the mine commenced on 03.04.2026. Intimation regarding the same was submitted to the Regional Office, MoEFCC vide letter EMMRL/ BND/2026-27/13 dated 29.05.2026. However, coal production has not yet started. Intimation regarding the commencement of coal production will be made once the same starts.
(ix)	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Stipulations of the CTO issued by MPPCB are being complied
(x)	The project proponent shall abide by all the 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	Commitments and recommendations made in the EIA/EMP are being complied progressively and all the provisions applicable post commencement of mine operations will be complied accordingly. All the activities proposed to address the issues raised in public hearing is being/ will be completed in time bound manner after commencement of mine operations. A sum of Rs 55.15 Lacs has been utilized for providing quality primary healthcare facility to the community through Smile Foundation, New Delhi Under livelihood and skill development of youths and women from nearby villages, various initiatives have been taken viz 1- 10 Nos of villagers have been provided the dumper operators training. 2- 13 villagers have been provided exposure visit and supported for orchard farm development at an area of around 17.5 Acre. 3- To promote agro-farming and vegetable cultivation, 7 villagers including 5 women have been trained at the nursery of the mine. 4- Facilitated a training programme of beautician and stitching. In which 11 women took part and developed skill in these trades
(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.
(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.

(xiii)	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted.
(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.
(xv)	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	Noted.
(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.

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Test Report

Sample Number:	**VEL/WL/01**	**Report No.:**	**VEL/WL/2609140004**
Name & Address of the Party:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**22/09/2026**
		Sampling Date:	**14/09/2026**
Sample Description :	**Ground Water Level**		

TEST RESULTS

S. No.	Location	Test Method	Depth (in Meter) Below Ground Level
1.	Village- Bandha	By Water Level Indicator (Model- Thermo Env.Inst.)	3.1

End of Report

VARDAN ENVIROLAB LLP GURUGRAM

(Reviewed By)

(Authorized Signatory)

VARDAN ENVIROLAB LLP Authorized Signatory
Dr. Shiv Prakash Singh
General Manager Technical

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Test Report

Sample Number:	**VEL/WL/02**	**Report No.:**	**VEL/WL/2609140005**
Name & Address of the Party:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**22/09/2026**
		Sampling Date:	**14/09/2026**
Sample Description :	**Ground Water Level**		

TEST RESULTS

S. No.	Location	Test Method	Depth (in Meter) Below Ground Level
1.	Village- Tenduha	By Water Level Indicator (Model- Thermo Env.Inst.)	15.6

End of Report

VARDAN ENVIROLAB LLP GURUGRAM 22/9/26

(Reviewed By)

VARDAN ENVIROLAB LLP Dr. Shri Prakash Singh General Manager Technical 22/09/2026 Authorized Signatory

(Authorized Signatory)

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Test Report

Sample Number:	**VEL/WL/03**	**Report No.:**	**VEL/WL/2609140006**
Name & Address of the Party:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**22/09/2026**
		Sampling Date:	**14/09/2026**
Sample Description :	**Ground Water Level**		

TEST RESULTS

S. No.	Location	Test Method	Depth (in Meter) Below Ground Level
1.	Village- Tendudol	By Water Level Indicator (Model- Thermo Env.Inst.)	6.7

End of Report

22/9/26

(Reviewed By)

VARDAN ENVIROLAB LLP GURUGRAM

(Authorized Signatory)

VARDAN ENVIROLAB LLP
Prakash Singh
General Manager-Technical
22/09/2026
Authorized Signatory

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Test Report

Sample Number:	**VEL/WL/04**	**Report No.:**	**VEL/WL/2609140007**
Name & Address of the Party:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**22/09/2026**
		Sampling Date:	**14/09/2026**
Sample Description :	**Ground Water Level**		

TEST RESULTS

S. No.	Location	Test Method	Depth (in Meter) Below Ground Level
1.	Village- Suhira	By Water Level Indicator (Model- Thermo Env.Inst.)	2.4

End of Report

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(Reviewed By)

VARDAN ENVIROLAB LLP Dr. Shily Technical Manager Authorized Signatory 22/9/26

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Annex -2

Bandha Coal Block · Corporate Environmental Responsibility

Promoting Sustainable Development & *Community Well-being*

Solar street lighting brings safer roads and cleaner energy to villages neighbouring the project — the first phase of a broader community infrastructure programme.



Solar-powered light, active after dusk

06
SOLAR STREET LIGHTS INSTALLED

03
VILLAGES BENEFITTED

I
PHASE OF ONGOING CER PROGRAMME

RENEWABLE, SOLAR-POWERED ENERGY

As part of its commitment towards community development, environmental sustainability and inclusive growth, the Bandha Coal Block has undertaken the installation of solar street lights at six locations across three nearby villages of the project under its Corporate Environmental Responsibility (CER) initiative.

The initiative has been undertaken as the initial phase of a broader programme, with the objective of improving basic community infrastructure, enhancing safety and mobility, and promoting the use of clean and renewable energy.

> *"Solar-powered lighting helps reduce dependence on conventional electricity and supports the Company's broader commitment towards sustainable development."*

By replacing dark stretches of road with reliable, self-sufficient lighting, the programme improves night-time mobility and safety for residents while cutting the load on the conventional grid – a small but visible step towards a cleaner, more resilient rural energy landscape.

VILLAGES ILLUMINATED

Deori	3 Nos
Pachaur	2 Nos
Chhataini	1 Nos







SKILL DEVELOPMENT INITIATIVE	
	
Women engaged in agro farming & vegetable cultivation	
	
Exposure visit of villagers to Sawai Madhopur	**Dumper Operator's Training**
	
Beautician Training	**Stitching Training**
	
Livelihood development through participation of women at silk reeling centre	**Livelihood development – vermicomposting units**

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Test Report

Sample Number:	**VEL/AP/05**	**Report No.:**	**VEL/AP/2609110005**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**15/09/2026**
		Period of Analysis:	**11/09/2026-15/09/2026**
		Receipt Date:	**11/09/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Budheri Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/02/02
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Intermittent Rain
Date of Monitoring	:	**03/09/2026-04/09/2026**
Time of Sampling	:	11:00 Hrs. to 11:00 Hrs.
Ambient Temperature (°C)	:	Min.: 23°C & Max.: 29°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	25.18	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	52.46	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	11.39	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	6.02	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.56	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

End of Report

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Test Report

Sample Number:	**VEL/AP/06**	**Report No.:**	**VEL/AP/2609110006**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**15/09/2026**
		Period of Analysis:	**11/09/2026-15/09/2026**
		Receipt Date:	**11/09/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Tendudol Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/03/03
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Intermittent Rain
Date of Monitoring	:	**03/09/2026-04/09/2026**
Time of Sampling	:	11:30 Hrs. to 11:30 Hrs.
Ambient Temperature (°C)	:	Min.: 23°C & Max.: 29°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	24.36	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	51.62	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	12.04	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.19	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.62	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

End of Report

VARDAN ENVIROLAB LLP 15/9/26

(Reviewed By)

VARDAN ENVIROLAB LLP Dr. Shiv Singh General Manager Technical 15/9/26 * Authorized Signatory *

(Authorized Signatory)

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Test Report

Sample Number:	**VEL/AP/07**	**Report No.:**	**VEL/AP/2609110007**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**15/09/2026**
		Period of Analysis:	**11/09/2026-15/09/2026**
		Receipt Date:	**11/09/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Bandha Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/01/01
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Intermittent Rain
Date of Monitoring	:	**04/09/2026-05/09/2026**
Time of Sampling	:	11:10 Hrs. to 11:10 Hrs.
Ambient Temperature (°C)	:	Min.: 24°C & Max.: 29°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	21.87	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	46.31	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	11.52	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.12	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.52	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

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VARDAN ENVIROLAB LLP Jagdish Singh Gen. Manager Technical Authorized Signatory

(Authorized Signatory)

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Test Report

Sample Number:	**VEL/AP/08**	**Report No.:**	**VEL/AP/2609110008**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**15/09/2026**
		Period of Analysis:	**11/09/2026-15/09/2026**
		Receipt Date:	**11/09/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Tenduha Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/02/02
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Intermittent Rain
Date of Monitoring	:	**04/09/2026-05/09/2026**
Time of Sampling	:	11:40 Hrs. to 11:40 Hrs.
Ambient Temperature (°C)	:	Min.: 24°C & Max.: 29°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	[@]NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	24.59	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	48.62	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	11.74	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.33	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.56	mg/m^3	4

[@]NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

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Test Report

Sample Number:	**VEL/AP/09**	**Report No.:**	**VEL/AP/2609110009**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**15/09/2026**
		Period of Analysis:	**11/09/2026-15/09/2026**
		Receipt Date:	**11/09/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Badanmada Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/03/03
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Cloudy Sky
Date of Monitoring	:	**05/09/2026-06/09/2026**
Time of Sampling	:	12:00 Hrs. to 12:00 Hrs.
Ambient Temperature (°C)	:	Min.: 24°C & Max.: 30°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	24.39	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	52.66	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	14.76	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.65	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.54	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

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Test Report

Sample Number:	**VEL/AP/10**	**Report No.:**	**VEL/AP/2609110010**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**15/09/2026**
		Period of Analysis:	**11/09/2026-15/09/2026**
		Receipt Date:	**11/09/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Chaupal Jhaira Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/01/01
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Cloudy Sky
Date of Monitoring	:	**05/09/2026-06/09/2026**
Time of Sampling	:	12:20 Hrs. to 12:20 Hrs.
Ambient Temperature (°C)	:	Min.: 24°C & Max.: 30°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	23.87	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	51.96	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	13.45	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.53	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.56	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
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(Authorized Signatory)

Dr. Shiv Dutt Singh
General Manager Technical
Authorized Signatory

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Test Report

Sample Number:	**VEL/AP/11**	**Report No.:**	**VEL/AP/2609110011**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**15/09/2026**
		Period of Analysis:	**11/09/2026-15/09/2026**
		Receipt Date:	**11/09/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Budheri Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/02/02
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Cloudy Sky
Date of Monitoring	:	**07/09/2026-08/09/2026**
Time of Sampling	:	01:20 Hrs. to 01:20 Hrs.
Ambient Temperature (°C)	:	Min.: 25°C & Max.: 30°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	24.86	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	52.36	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	12.44	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.16	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.65	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

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Test Report

Sample Number:	**VEL/AP/12**	**Report No.:**	**VEL/AP/2609110012**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**15/09/2026**
		Period of Analysis:	**11/09/2026-15/09/2026**
		Receipt Date:	**11/09/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Tendudol Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/03/03
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Cloudy Sky
Date of Monitoring	:	**07/09/2026-08/09/2026**
Time of Sampling	:	01:50 Hrs. to 01:50 Hrs.
Ambient Temperature (°C)	:	Min.: 25°C & Max.: 30°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	23.67	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	51.85	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	11.42	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	6.11	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.52	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

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VARDAN ENVIROLAB LLP
IS 15/9/26
(Reviewed By)

VARDAN ENVIROLAB LLP
Dr. Vivek Singh
General Manager (Technical)
15.9.26
Authorized Signatory
(Authorized Signatory)

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Test Report

Sample Number:	**VEL/AP/01**	**Report No.:**	**VEL/AP/2609180001**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**22/09/2026**
		Period of Analysis:	**18/09/2026-22/09/2026**
		Receipt Date:	**18/09/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Bandha Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/01/01
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Intermittent Rain
Date of Monitoring	:	**08/09/2026-09/09/2026**
Time of Sampling	:	09:30 Hrs. to 09:30 Hrs.
Ambient Temperature (°C)	:	Min.: 25°C & Max.: 30°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	25.31	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	51.72	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	10.05	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.32	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.52	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

End of Report

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Test Report

Sample Number:	**VEL/AP/02**	**Report No.:**	**VEL/AP/2609180002**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**22/09/2026**
		Period of Analysis:	**18/09/2026-22/09/2026**
		Receipt Date:	**18/09/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Tenduha Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/02/02
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Intermittent Rain
Date of Monitoring	:	**08/09/2026-09/09/2026**
Time of Sampling	:	11:00 Hrs. to 11:00 Hrs.
Ambient Temperature (°C)	:	Min.: 25°C & Max.: 30°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	23.86	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	49.31	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	11.62	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.22	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.52	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

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Test Report

Sample Number:	**VEL/AP/03**	**Report No.:**	**VEL/AP/2609180003**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**22/09/2026**
		Period of Analysis:	**18/09/2026-22/09/2026**
		Receipt Date:	**18/09/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Badanmada Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/03/03
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Intermittent Rain
Date of Monitoring	:	**09/09/2026-10/09/2026**
Time of Sampling	:	10:10 Hrs. to 10:10 Hrs.
Ambient Temperature (°C)	:	Min.: 25°C & Max.: 31°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	24.67	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	49.31	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	12.74	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.39	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.52	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

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VARDAN ENVIROLAB LLP

(Reviewed By)

VARDAN ENVIROLAB LLP Dr. Shiv Prakash Singh General Manager Technical Authorized Signatory

(Authorized Signatory)

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Test Report

Sample Number:	**VEL/AP/04**	**Report No.:**	**VEL/AP/2609180004**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**22/09/2026**
		Period of Analysis:	**18/09/2026-22/09/2026**
		Receipt Date:	**18/09/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Chaupal Jhaira Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/01/01
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Intermittent Rain
Date of Monitoring	:	**09/09/2026-10/09/2026**
Time of Sampling	:	10:40 Hrs. to 10:40 Hrs.
Ambient Temperature (°C)	:	Min.: 25°C & Max.: 31°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	23.86	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	49.21	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	10.36	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	6.14	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.56	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

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(Authorized Signatory)

Prakash Singh
Senior Manager
Technical

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Test Report

Sample Number:	VEL/AP/05	**Report No.:**	VEL/AP/2609180005
Name & Address of the Project:	M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).	**Format No.:**	7.8 F-03
		Party Reference No.:	1080/ENVIR/5020000013 & Dated 20.11.2025
		Reporting Date:	22/09/2026
		Period of Analysis:	18/09/2026-22/09/2026
		Receipt Date:	18/09/2026

Sample Description: Ambient Air Quality Monitoring

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Budheri Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/02/02
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Intermittent Rain
Date of Monitoring	:	**10/09/2026-11/09/2026**
Time of Sampling	:	11:00 Hrs. to 11:00 Hrs.
Ambient Temperature (°C)	:	Min.: 23°C & Max.: 30°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	24.12	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	52.42	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	11.45	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.86	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.54	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

End of Report

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22/9/26
(Reviewed By)

VARDAN ENVIROLAB LLP
Dr. Shiv Deep Singh
General Manager - Technical
22/9/26
Authorized Signatory
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Test Report

Sample Number:	**VEL/AP/06**	**Report No.:**	**VEL/AP/2609180006**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**22/09/2026**
		Period of Analysis:	**18/09/2026-22/09/2026**
		Receipt Date:	**18/09/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Tendudol Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/03/03
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Intermittent Rain
Date of Monitoring	:	**10/09/2026-11/09/2026**
Time of Sampling	:	11:30 Hrs. to 11:30 Hrs.
Ambient Temperature (°C)	:	Min.: 23°C & Max.: 30°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	25.69	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	46.81	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	12.38	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	6.02	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.55	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

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Test Report

Sample Number:	**VEL/AP/07**	**Report No.:**	**VEL/AP/2609180007**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**22/09/2026**
		Period of Analysis:	**18/09/2026-22/09/2026**
		Receipt Date:	**18/09/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Bandha Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/01/01
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Cloudy Sky
Date of Monitoring	:	**11/09/2026-12/09/2026**
Time of Sampling	:	11:10 Hrs. to 11:10 Hrs.
Ambient Temperature (°C)	:	Min.: 24°C & Max.: 30°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	25.06	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	51.10	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	12.36	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.12	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.56	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
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(Reviewed By)

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Test Report

Sample Number:	**VEL/AP/08**	**Report No.:**	**VEL/AP/2609180008**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**22/09/2026**
		Period of Analysis:	**18/09/2026-22/09/2026**
		Receipt Date:	**18/09/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Tenduha Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/02/02
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Cloudy Sky
Date of Monitoring	:	**11/09/2026-12/09/2026**
Time of Sampling	:	11:40 Hrs. to 11:40 Hrs.
Ambient Temperature (°C)	:	Min.: 24°C & Max.: 30°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	24.68	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	54.02	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	11.31	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	6.14	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.56	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

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Test Report

Sample Number:	**VEL/AP/09**	**Report No.:**	**VEL/AP/2609180009**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**22/09/2026**
		Period of Analysis:	**18/09/2026-22/09/2026**
		Receipt Date:	**18/09/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Badanmada Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/03/03
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Cloudy Sky
Date of Monitoring	:	**12/09/2026-13/09/2026**
Time of Sampling	:	12:00 Hrs. to 12:00 Hrs.
Ambient Temperature (°C)	:	Min.: 23°C & Max.: 31°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	25.41	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	52.86	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	12.42	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	6.18	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.52	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

End of Report

(Reviewed By)

(Authorized Signatory)

Dr. Shiv Prakash Singh, General Manager, Technical

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Test Report

Sample Number:	**VEL/AP/10**	**Report No.:**	**VEL/AP/2609180010**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**22/09/2026**
		Period of Analysis:	**18/09/2026-22/09/2026**
		Receipt Date:	**18/09/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Chaupal Jhaira Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/01/01
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Cloudy Sky
Date of Monitoring	:	**12/09/2026-13/09/2026**
Time of Sampling	:	12:20 Hrs. to 12:20 Hrs.
Ambient Temperature (°C)	:	Min.: 23°C & Max.: 31°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	24.39	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	51.28	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	12.42	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.33	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.56	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

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Test Report

Sample Number:	**VEL/AP/11**	**Report No.:**	**VEL/AP/2609180011**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**22/09/2026**
		Period of Analysis:	**18/09/2026-22/09/2026**
		Receipt Date:	**18/09/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Budheri Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/02/02
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Cloudy Sky
Date of Monitoring	:	**14/09/2026-15/09/2026**
Time of Sampling	:	01:20 Hrs. to 01:20 Hrs.
Ambient Temperature (°C)	:	Min.: 24°C & Max.: 31°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	23.18	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	51.06	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	12.42	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	6.11	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.52	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

End of Report

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(Authorized Signatory)

Dr. Shiv Narayan Singh
General Manager Technical

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Test Report

Sample Number:	**VEL/AP/12**	**Report No.:**	**VEL/AP/2609180012**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**22/09/2026**
		Period of Analysis:	**18/09/2026-22/09/2026**
		Receipt Date:	**18/09/2026**

Sample Description: Ambient Air Quality Monitoring

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Tendudol Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/03/03
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Cloudy Sky
Date of Monitoring	:	**14/09/2026-15/09/2026**
Time of Sampling	:	01:50 Hrs. to 01:50 Hrs.
Ambient Temperature (°C)	:	Min.: 24°C & Max.: 31°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	23.95	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	52.42	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	12.36	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.04	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.51	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

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Test Report

Sample Number:	**VEL/AP/01**	**Report No.:**	**VEL/AP/2609250001**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**28/09/2026**
		Period of Analysis:	**25/09/2026-28/09/2026**
		Receipt Date:	**25/09/2026**

Sample Description: Ambient Air Quality Monitoring

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Bandha Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/01/01
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Cloudy Sky
Date of Monitoring	:	**15/09/2026-16/09/2026**
Time of Sampling	:	09:30 Hrs. to 09:30 Hrs.
Ambient Temperature (°C)	:	Min.: 25°C & Max.: 31°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	23.54	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	48.72	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	11.44	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.08	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.56	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

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Test Report

Sample Number:	**VEL/AP/02**	**Report No.:**	**VEL/AP/2609250002**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**28/09/2026**
		Period of Analysis:	**25/09/2026-28/09/2026**
		Receipt Date:	**25/09/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Tenduha Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/02/02
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Cloudy Sky
Date of Monitoring	:	**15/09/2026-16/09/2026**
Time of Sampling	:	11:00 Hrs. to 11:00 Hrs.
Ambient Temperature (°C)	:	Min.: 25°C & Max.: 31°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	24.61	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	51.25	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	12.35	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.19	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.52	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

End of Report

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Test Report

Sample Number:	**VEL/AP/03**	**Report No.:**	**VEL/AP/2609250003**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**28/09/2026**
		Period of Analysis:	**25/09/2026-28/09/2026**
		Receipt Date:	**25/09/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Badanmada Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/03/03
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Intermittent Rain
Date of Monitoring	:	**16/09/2026-17/09/2026**
Time of Sampling	:	10:10 Hrs. to 10:10 Hrs.
Ambient Temperature (°C)	:	Min.: 25°C & Max.: 30°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	22.65	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	48.35	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	11.42	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.16	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.55	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

End of Report

VARDAN ENVIROLAB LLP Gurugram

[Reviewed By]

(Authorized Signatory)

VARDAN ENVIROLAB LLP Gurugram Dr. Shiv Prakash Singh Technical Manager Authorized Signatory

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Test Report

Sample Number:	**VEL/AP/04**	**Report No.:**	**VEL/AP/2609250004**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**28/09/2026**
		Period of Analysis:	**25/09/2026-28/09/2026**
		Receipt Date:	**25/09/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Chaupal Jhaira Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/01/01
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Intermittent Rain
Date of Monitoring	:	**16/09/2026-17/09/2026**
Time of Sampling	:	10:40 Hrs. to 10:40 Hrs.
Ambient Temperature (°C)	:	Min.: 25°C & Max.: 30°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	25.42	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	49.87	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	12.38	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	6.05	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.57	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

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VARDAN ENVIROLAB LLP Dr. Sibesh Singh General Manager (Technical) Authorized Signatory 28/9/26

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Test Report

Sample Number:	**VEL/AP/05**	**Report No.:**	**VEL/AP/2609250005**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**28/09/2026**
		Period of Analysis:	**25/09/2026-28/09/2026**
		Receipt Date:	**25/09/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Budheri Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/02/02
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Intermittent Rain
Date of Monitoring	:	**17/09/2026-18/09/2026**
Time of Sampling	:	11:00 Hrs. to 11:00 Hrs.
Ambient Temperature (°C)	:	Min.: 25°C & Max.: 29°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	23.87	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	46.14	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	12.52	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.18	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.56	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

End of Report

(Reviewed By)

(Authorized Signatory)

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Test Report

Sample Number:	**VEL/AP/06**	**Report No.:**	**VEL/AP/2609250006**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**28/09/2026**
		Period of Analysis:	**25/09/2026-28/09/2026**
		Receipt Date:	**25/09/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Tendudol Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/03/03
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Intermittent Rain
Date of Monitoring	:	**17/09/2026-18/09/2026**
Time of Sampling	:	11:30 Hrs. to 11:30 Hrs.
Ambient Temperature (°C)	:	Min.: 25°C & Max.: 29°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	25.82	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	48.72	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	11.66	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.14	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.53	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

End of Report

(Reviewed By)

(Authorized Signatory)

VARDAN ENVIROLAB LLP * Prabhakash Singh General Manager (Technical) * Authorized Signatory

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Test Report

Sample Number:	**VEL/AP/09**	**Report No.:**	**VEL/AP/2609250009**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**28/09/2026**
		Period of Analysis:	**25/09/2026-28/09/2026**
		Receipt Date:	**25/09/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Badanmada Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/03/03
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Intermittent Rain
Date of Monitoring	:	**19/09/2026-20/09/2026**
Time of Sampling	:	12:00 Hrs. to 12:00 Hrs.
Ambient Temperature (°C)	:	Min.: 25°C & Max.: 31°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	25.32	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	47.21	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	10.42	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.36	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.54	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

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(Authorized Signatory)

VARDAN ENVIROLAB LLP Dr. Shiv Prakash Singh Technical Manager Authorized Signatory

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Test Report

Sample Number:	**VEL/AP/10**	**Report No.:**	**VEL/AP/2609250010**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**28/09/2026**
		Period of Analysis:	**25/09/2026-28/09/2026**
		Receipt Date:	**25/09/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Chaupal Jhaira Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/01/01
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Intermittent Rain
Date of Monitoring	:	**19/09/2026-20/09/2026**
Time of Sampling	:	12:20 Hrs. to 12:20 Hrs.
Ambient Temperature (°C)	:	Min.: 25°C & Max.: 31°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	25.31	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	56.42	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	14.22	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.19	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.54	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

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(Reviewed By)

VARDAN ENVIROLAB LLP * Rakesh Singh General Manager Technical Authorized Signatory 28/9/26

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Test Report

Sample Number:	**VEL/AP/11**	**Report No.:**	**VEL/AP/2609250011**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**28/09/2026**
		Period of Analysis:	**25/09/2026-28/09/2026**
		Receipt Date:	**25/09/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Budheri Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/02/02
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Intermittent Rain
Date of Monitoring	:	**21/09/2026-22/09/2026**
Time of Sampling	:	01:20 Hrs. to 01:20 Hrs.
Ambient Temperature (°C)	:	Min.: 26°C & Max.: 31°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	24.39	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	51.42	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	13.87	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	6.42	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.58	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

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VARDAN ENVIROLAB LLP Dr. Shiv Gopal Singh Technical Manager Authorized Signatory

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Test Report

Sample Number:	**VEL/AP/12**	**Report No.:**	**VEL/AP/2609250012**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**28/09/2026**
		Period of Analysis:	**25/09/2026-28/09/2026**
		Receipt Date:	**25/09/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Tendudol Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/03/03
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Intermittent Rain
Date of Monitoring	:	**21/09/2026-22/09/2026**
Time of Sampling	:	01:50 Hrs. to 01:50 Hrs.
Ambient Temperature (°C)	:	Min.: 26°C & Max.: 31°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	24.05	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	49.16	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	13.67	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.28	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.57	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
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Test Report

Sample Number:	**VEL/AP/01**	**Report No.:**	**VEL/AP/2610050001**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**09/10/2026**
		Period of Analysis:	**05/10/2026-09/10/2026**
		Receipt Date:	**05/10/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Bandha Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/01/01
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Intermittent Rain
Date of Monitoring	:	**22/09/2026-23/09/2026**
Time of Sampling	:	09:30 Hrs. to 09:30 Hrs.
Ambient Temperature (°C)	:	Min.: 25°C & Max.: 31°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	24.33	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	49.52	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	11.44	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.18	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.56	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

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(Reviewed By)

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Test Report

Sample Number:	**VEL/AP/02**	**Report No.:**	**VEL/AP/2610050002**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**09/10/2026**
		Period of Analysis:	**05/10/2026-09/10/2026**
		Receipt Date:	**05/10/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Tenduha Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/02/02
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Intermittent Rain
Date of Monitoring	:	**22/09/2026-23/09/2026**
Time of Sampling	:	11:00 Hrs. to 11:00 Hrs.
Ambient Temperature (°C)	:	Min.: 25°C & Max.: 31°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	23.67	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	46.85	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	12.76	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.12	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.54	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

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Shiv Prakash Singh, General Manager Technical

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Test Report

Sample Number:	**VEL/AP/03**	**Report No.:**	**VEL/AP/2610050003**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**09/10/2026**
		Period of Analysis:	**05/10/2026-09/10/2026**
		Receipt Date:	**05/10/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Badanmada Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/03/03
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Intermittent Rain
Date of Monitoring	:	**23/09/2026-24/09/2026**
Time of Sampling	:	10:10 Hrs. to 10:10 Hrs.
Ambient Temperature (°C)	:	Min.: 22°C & Max.: 31°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	22.76	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	49.16	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	12.85	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.28	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.56	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

End of Report

VARDAN ENVIROLAB 9/10/26

(Reviewed By)

VARDAN ENVIROLAB Dr. Shiv Singh General Manager Technical Authorized Signatory

(Authorized Signatory)

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Test Report

Sample Number:	**VEL/AP/04**	**Report No.:**	**VEL/AP/2610050004**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**09/10/2026**
		Period of Analysis:	**05/10/2026-09/10/2026**
		Receipt Date:	**05/10/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Chaupal Jhaira Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/01/01
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Intermittent Rain
Date of Monitoring	:	**23/09/2026-24/09/2026**
Time of Sampling	:	10:40 Hrs. to 10:40 Hrs.
Ambient Temperature (°C)	:	Min.: 22°C & Max.: 31°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	23.75	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	49.82	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	12.44	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.31	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.52	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

End of Report

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Test Report

Sample Number:	**VEL/AP/07**	**Report No.:**	**VEL/AP/2610050007**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**09/10/2026**
		Period of Analysis:	**05/10/2026-09/10/2026**
		Receipt Date:	**05/10/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Bandha Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/01/01
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Intermittent Rain
Date of Monitoring	:	**25/09/2026-26/09/2026**
Time of Sampling	:	11:10 Hrs. to 11:10 Hrs.
Ambient Temperature (°C)	:	Min.: 22°C & Max.: 26°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	23.87	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	51.42	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	11.04	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.16	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.54	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

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(Authorized Signatory)

VARDAN ENVIROLAB LLP
Dr. Sitesh Singh
General Manager
Technical
Authorized Signatory

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Test Report

Sample Number:	**VEL/AP/08**	**Report No.:**	**VEL/AP/2610050008**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**09/10/2026**
		Period of Analysis:	**05/10/2026-09/10/2026**
		Receipt Date:	**05/10/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Tenduha Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/02/02
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Intermittent Rain
Date of Monitoring	:	**25/09/2026-26/09/2026**
Time of Sampling	:	11:40 Hrs. to 11:40 Hrs.
Ambient Temperature (°C)	:	Min.: 22°C & Max.: 26°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	24.06	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	51.38	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	12.42	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.06	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.52	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

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(Reviewed By)

VARDAN ENVIROLAB LLP Dr. Shiv Prakash Singh Technical Manager Authorized Signatory

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Test Report

Sample Number:	**VEL/AP/09**	**Report No.:**	**VEL/AP/2610050009**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**09/10/2026**
		Period of Analysis:	**05/10/2026-09/10/2026**
		Receipt Date:	**05/10/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Badanmada Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/03/03
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Intermittent Rain
Date of Monitoring	:	**26/09/2026-27/09/2026**
Time of Sampling	:	10:10 Hrs. to 10:10 Hrs.
Ambient Temperature (°C)	:	Min.: 22°C & Max.: 25°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	23.69	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	48.72	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	13.42	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.06	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.56	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

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Test Report

Sample Number:	**VEL/AP/10**	**Report No.:**	**VEL/AP/2610050010**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**09/10/2026**
		Period of Analysis:	**05/10/2026-09/10/2026**
		Receipt Date:	**05/10/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Chaupal Jhaira Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/01/01
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Intermittent Rain
Date of Monitoring	:	**26/09/2026-27/09/2026**
Time of Sampling	:	10:40 Hrs. to 10:40 Hrs.
Ambient Temperature (°C)	:	Min.: 22°C & Max.: 25°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	23.87	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	49.36	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	11.44	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.08	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.56	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

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Prakash Singh
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Technical
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Test Report

Sample Number:	**VEL/AP/11**	**Report No.:**	**VEL/AP/2610050011**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**09/10/2026**
		Period of Analysis:	**05/10/2026-09/10/2026**
		Receipt Date:	**05/10/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Budheri Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/02/02
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Intermittent Rain
Date of Monitoring	:	**28/09/2026-29/09/2026**
Time of Sampling	:	11:00 Hrs. to 11:00 Hrs.
Ambient Temperature (°C)	:	Min.: 23°C & Max.: 29°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	23.69	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	49.87	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	12.21	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.33	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.56	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
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(Authorized Signatory)

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General Manager
Technical

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Test Report

Sample Number:	**VEL/AP/12**	**Report No.:**	**VEL/AP/2610050012**
Name & Address of the Project:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**09/10/2026**
		Period of Analysis:	**05/10/2026-09/10/2026**
		Receipt Date:	**05/10/2026**

Sample Description: **Ambient Air Quality Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Tendudol Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/03/03
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Intermittent Rain
Date of Monitoring	:	**28/09/2026-29/09/2026**
Time of Sampling	:	11:30 Hrs. to 11:30 Hrs.
Ambient Temperature (°C)	:	Min.: 23°C & Max.: 29°C
Surrounding Activity	:	Human, Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	24.69	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	51.04	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	11.22	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.42	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.53	mg/m^3	4

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
*Limit of CO for one hour monitoring.

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Vardan Envirolab LLP

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number : VEL/W/07
Name & Address of the Party : M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO), Bandha Coal Block, Village-Bandha, Tehsil-Bargawan, District-Singrauli, Madhya Pradesh Madhya Pradesh

Report No. : VEL/W/2609170007
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 24/09/2026
Period of Analysis : 17/09/2026-24/09/2026
Receipt Date : 17/09/2026
Sampling Date : 14/09/2026
Sampling Quantity : 5Ltrs.+250ml.
Sampling Type : Grab

Name of Sample : Ground Water
Sample Group : Water
Location : Village -Bandha
Sample Collected by : VEL Representative :-(Mr. Krishna)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : APHA & IS

S.No.	Test Parameter	Test Method	Results	Units	Requirement as per IS:10500-2012	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	pH (at 25 °C)	IS:3025 (Part-11)	7.18	-	6.5-8.5	No relaxation
2	Colour	IS:3025 (Part-4)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity	IS:3025 (Part-10)	1.4	NTU	1	5
4	Odour	IS:3025 (Part-5)	Agreeable	-	Agreeable	Agreeable
5	Taste	IS:3025 (Part-8)	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO3),Max	IS:3025 (Part-21)	53.46	mg/L	200	600
7	Calcium (as Ca),Max	IS:3025 (Part-40)	11.90	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025 (Part-23)	51.00	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 (Part-32)	18.25	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS:3025 (Part-26)	BLQ(LOQ-0.1)	mg/L	0.2	1
11	Cyanide (as CN),Max	IS:3025 (Part-27)	BLQ(LOQ-0.02)	mg/L	0.05	No relaxation
12	Magnesium (as Mg),Max	APHA 3500 Mg B	5.75	mg/L	30	100
13	Total Dissolved Solids (at 180°C),Max	IS:3025 (Part-16)	86	mg/L	500	2000
14	Sulphate (as SO4), Max	IS:3025 (Part-24)	7.41	mg/L	200	400

Reviewed By

Authorized Signatory
Prakash Singh
General Manager-Technical

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Test Report

Sample Number : VEL/W/07 Report No. : VEL/W/2609170007

S.No.	Test Parameter	Test Method	Results	Units	Requirement as per IS:10500-2012	
					Acceptable Limit	Permissible Limits
15	Fluoride (as F),Max	APHA 4500 F D	BLQ(LOQ-0.2)	mg/L	1.0	1.5
16	Nitrate (as NO3),Max	IS: 3025 (P- 34)	3.18	mg/L	45	No relaxation
17	Iron (as Fe),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	1.0	No relaxation
18	Aluminium (as Al),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L	0.03	0.2
19	Boron (as B),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	0.5	2.4
20	Phenolic Compounds (as C6H5OH),Max	IS:3025 (Part-43)	BLQ(LOQ-0.001)	mg/L	0.001	0.002
21	Anionic Detergents (as MBAS),Max	IS:3025 (Part-68)	BLQ(LOQ-0.05)	mg/L	0.2	1.0
22	Zinc (as Zn),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	0.165	mg/L	5	15
23	Total Chromium (as Cr),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.05	No Relaxation
24	Copper (as Cu),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.05	1.5
25	Manganese (as Mn),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	0.199	mg/L	0.1	0.3
26	Cadmium (as Cd),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.003	No relaxation
27	Lead (as Pb),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.01	No relaxation
28	Selenium (as Se),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.001)	mg/L	0.01	No relaxation
29	Total Arsenic (as As),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L	0.01	No relaxation
30	Mercury (as Hg),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.0005)	mg/L	0.001	No relaxation

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Test Report

Sample Number : VEL/W/07 Report No. : VEL/W/2609170007

S.No.	Test Parameter	Test Method	Results	Units	Requirement as per IS:10500-2012	
					Acceptable Limit	Permissible Limits
Discipline : Biological						
31	E.coli	IS 15185	Absent	Per 100 ml	Shall not be detectable in any 100 ml sample	--
32	Coliform	IS 15185	Absent	Per 100 ml	Shall not be detectable in any 100 ml sample	--

BLQ- Below Limit of Quantification, LOQ- Limit of Quantification.

End of Report

VARDAN ENVIROLAB LLP * Nitin Kumar * Deputy Technical Manager 24/09/26
Reviewed By

VARDAN ENVIROLAB LLP * Dr. Amendra Kumar Dixit * Technical Manager 24/09/26
Authorized Signatory

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Vardan Envirolab LLP

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number : VEL/W/08
Name & Address of the Party : M/s Emil Mines & Mineral Resources Ltd.
Bandha Coal Mining Div (MDO), Bandha Coal Block, Village-Bandha, Tehsil-Bargawan, District-Singrauli, Madhya Pradesh Madhya Pradesh

Report No. : VEL/W/2609170008
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 24/09/2026
Period of Analysis : 17/09/2026-24/09/2026
Receipt Date : 17/09/2026
Sampling Date : 14/09/2026
Sampling Quantity : 5Ltrs.+250ml.
Sampling Type : Grab

Name of Sample : Ground Water
Sample Group : Water
Location : Village -Tenduha
Sample Collected by : VEL Representative :-(Mr. Krishna)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : APHA & IS

S.No.	Test Parameter	Test Method	Results	Units	Requirement as per IS:10500-2012	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	pH (at 25 °C)	IS:3025 (Part-11)	7.53	-	6.5-8.5	No relaxation
2	Colour	IS:3025 (Part-4)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity	IS:3025 (Part-10)	1.14	NTU	1	5
4	Odour	IS:3025 (Part-5)	Agreeable	-	Agreeable	Agreeable
5	Taste	IS:3025 (Part-8)	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO3),Max	IS:3025 (Part-21)	188.10	mg/L	200	600
7	Calcium (as Ca),Max	IS:3025 (Part-40)	39.68	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025 (Part-23)	117.30	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 (Part-32)	32.44	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS:3025 (Part-26)	BLQ(LOQ-0.1)	mg/L	0.2	1
11	Cyanide (as CN),Max	IS:3025 (Part-27)	BLQ(LOQ-0.02)	mg/L	0.05	No relaxation
12	Magnesium (as Mg),Max	APHA 3500 Mg B	21.60	mg/L	30	100
13	Total Dissolved Solids (at 180°C),Max	IS:3025 (Part-16)	244	mg/L	500	2000
14	Sulphate (as SO4), Max	IS:3025 (Part-24)	13.42	mg/L	200	400

Reviewed By

Authorized Signatory

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Test Report

Sample Number : VEL/W/08 Report No. : VEL/W/2609170008

S.No.	Test Parameter	Test Method	Results	Units	Requirement as per IS:10500-2012	
					Acceptable Limit	Permissible Limits
15	Fluoride (as F),Max	APHA 4500 F D	0.24	mg/L	1.0	1.5
16	Nitrate (as NO3),Max	IS: 3025 (P- 34)	7.08	mg/L	45	No relaxation
17	Iron (as Fe),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	0.279	mg/L	1.0	No relaxation
18	Aluminium (as Al),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L	0.03	0.2
19	Boron (as B),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	0.5	2.4
20	Phenolic Compounds (as C6H5OH),Max	IS:3025 (Part-43)	BLQ(LOQ-0.001)	mg/L	0.001	0.002
21	Anionic Detergents (as MBAS),Max	IS:3025 (Part-68)	BLQ(LOQ-0.05)	mg/L	0.2	1.0
22	Zinc (as Zn),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	0.432	mg/L	5	15
23	Total Chromium (as Cr),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.05	No Relaxation
24	Copper (as Cu),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.05	1.5
25	Manganese (as Mn),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	0.032	mg/L	0.1	0.3
26	Cadmium (as Cd),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.003	No relaxation
27	Lead (as Pb),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.01	No relaxation
28	Selenium (as Se),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	0.0024	mg/L	0.01	No relaxation
29	Total Arsenic (as As),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L	0.01	No relaxation
30	Mercury (as Hg),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L	0.001	No relaxation

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VARDAN ENVIROLAB LLP Dr Shiv Dayal Singh General Manager (Technical) Authorized Signatory 24/09/25

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Sample Number : VEL/W/08 Report No. : VEL/W/2609170008

S.No.	Test Parameter	Test Method	Results	Units	Requirement as per IS:10500-2012	
					Acceptable Limit	Permissible Limits
Discipline : Biological						
31	E.coli	IS 15185	Absent	Per 100 ml	Shall not be detectable in any 100 ml sample	--
32	Coliform	IS 15185	Absent	Per 100 ml	Shall not be detectable in any 100 ml sample	--

BLQ- Below Limit of Quantification, LOQ- Limit of Quantification.

End of Report

VARDAN ENVIROLAB LLP * Nitin Kumar Verma * Technical Manager * 24/09/26

Reviewed By

VARDAN ENVIROLAB LLP * Dharmendra Kumar Dixit * Technical Manager-Quality * 24/09/26

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Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
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Test Report

Sample Number : VEL/W/09

Name & Address of the Party : M/s Emil Mines & Mineral Resources Ltd.
Bandha Coal Mining Div (MDO), Bandha Coal Block, Village-Bandha, Tehsil-Bargawan, District-Singrauli, Madhya Pradesh Madhya Pradesh

Name of Sample : Ground Water
Sample Group : Water
Location : Village -Tendudol
Sample Collected by : VEL Representative :-(Mr. Krishna)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : APHA & IS

Report No. : VEL/W/2609170009
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 24/09/2026
Period of Analysis : 17/09/2026-24/09/2026
Receipt Date : 17/09/2026
Sampling Date : 14/09/2026
Sampling Quantity : 5Ltrs.+250ml.
Sampling Type : Grab

S.No.	Test Parameter	Test Method	Results	Units	Requirement as per IS:10500-2012	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	pH (at 25 °C)	IS:3025 (Part-11)	7.41	-	6.5-8.5	No relaxation
2	Colour	IS:3025 (Part-4)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity	IS:3025 (Part-10)	0.66	NTU	1	5
4	Odour	IS:3025 (Part-5)	Agreeable	-	Agreeable	Agreeable
5	Taste	IS:3025 (Part-8)	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO3),Max	IS:3025 (Part-21)	85.14	mg/L	200	600
7	Calcium (as Ca),Max	IS:3025 (Part-40)	18.25	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025 (Part-23)	81.60	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 (Part-32)	21.29	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS:3025 (Part-26)	BLQ(LOQ-0.1)	mg/L	0.2	1
11	Cyanide (as CN),Max	IS:3025 (Part-27)	BLQ(LOQ-0.02)	mg/L	0.05	No relaxation
12	Magnesium (as Mg),Max	APHA 3500 Mg B	9.60	mg/L	30	100
13	Total Dissolved Solids (at 180°C),Max	IS:3025 (Part-16)	114	mg/L	500	2000
14	Sulphate (as SO4), Max	IS:3025 (Part-24)	10.24	mg/L	200	400

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VARDAN ENVIROLAB LLP Rajesh Singh General Manager Technical Authorized Signatory 24/09/26

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Test Report

Sample Number : VEL/W/09 Report No. : VEL/W/2609170009

S.No.	Test Parameter	Test Method	Results	Units	Requirement as per IS:10500-2012	
					Acceptable Limit	Permissible Limits
15	Fluoride (as F),Max	APHA 4500 F D	0.22	mg/L	1.0	1.5
16	Nitrate (as NO3),Max	IS: 3025 (P- 34)	5.12	mg/L	45	No relaxation
17	Iron (as Fe),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	1.0	No relaxation
18	Aluminium (as Al),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	0.032	mg/L	0.03	0.2
19	Boron (as B),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	0.5	2.4
20	Phenolic Compounds (as C6H5OH),Max	IS:3025 (Part-43)	BLQ(LOQ-0.001)	mg/L	0.001	0.002
21	Anionic Detergents (as MBAS),Max	IS:3025 (Part-68)	BLQ(LOQ-0.05)	mg/L	0.2	1.0
22	Zinc (as Zn),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	5	15
23	Total Chromium (as Cr),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.05	No Relaxation
24	Copper (as Cu),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.05	1.5
25	Manganese (as Mn),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	0.1	0.3
26	Cadmium (as Cd),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.003	No relaxation
27	Lead (as Pb),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.01	No relaxation
28	Selenium (as Se),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.001)	mg/L	0.01	No relaxation
29	Total Arsenic (as As),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L	0.01	No relaxation
30	Mercury (as Hg),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.0005)	mg/L	0.001	No relaxation

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Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number : VEL/W/09 Report No. : VEL/W/2609170009

S.No.	Test Parameter	Test Method	Results	Units	Requirement as per IS:10500-2012	
					Acceptable Limit	Permissible Limits
Discipline : Biological						
31	E.coli	IS 15185	Absent	Per 100 ml	Shall not be detectable in any 100 ml sample	--
32	Coliform	IS 15185	Absent	Per 100 ml	Shall not be detectable in any 100 ml sample	--

BLQ- Below Limit of Quantification, LOQ- Limit of Quantification.

End of Report

VARDAN ENVIROLAB LLP * Nitin Kumar Verma * Deputy Technical Manager
24/09/26
Reviewed By

VARDAN ENVIROLAB LLP * Dharmendra Kumar Dixit * Technical Manager
24/09/26
Authorized Signatory

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Vardan Envirolab LLP

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number : VEL/W/10

Name & Address of the Party : M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO), Bandha Coal Block, Village-Bandha, Tehsil-Bargawan, District-Singrauli, Madhya Pradesh Madhya Pradesh

Name of Sample : Ground Water
Sample Group : Water
Location : Village -Chopal Jharai
Sample Collected by : VEL Representative :-(Mr. Krishna)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : APHA & IS

Report No. : VEL/W/2609170010
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 24/09/2026
Period of Analysis : 17/09/2026-24/09/2026
Receipt Date : 17/09/2026
Sampling Date : 14/09/2026
Sampling Quantity : 5Ltrs.+250ml.
Sampling Type : Grab

S.No.	Test Parameter	Test Method	Results	Units	Requirement as per IS:10500-2012	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	pH (at 25 °C)	IS:3025 (Part-11)	7.33	-	6.5-8.5	No relaxation
2	Colour	IS:3025 (Part-4)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity	IS:3025 (Part-10)	<0.5	NTU	1	5
4	Odour	IS:3025 (Part-5)	Agreeable	-	Agreeable	Agreeable
5	Taste	IS:3025 (Part-8)	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO3),Max	IS:3025 (Part-21)	152.46	mg/L	200	600
7	Calcium (as Ca),Max	IS:3025 (Part-40)	31.74	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025 (Part-23)	137.70	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 (Part-32)	28.39	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS:3025 (Part-26)	BLQ(LOQ-0.1)	mg/L	0.2	1
11	Cyanide (as CN),Max	IS:3025 (Part-27)	BLQ(LOQ-0.02)	mg/L	0.05	No relaxation
12	Magnesium (as Mg),Max	APHA 3500 Mg B	17.76	mg/L	30	100
13	Total Dissolved Solids (at 180°C),Max	IS:3025 (Part-16)	197	mg/L	500	2000
14	Sulphate (as SO4), Max	IS:3025 (Part-24)	12.36	mg/L	200	400

VARDAN ENVIROLAB

Reviewed By

VARDAN ENVIROLAB LLP Dr. Shiv Dayal Singh Technical Manager Authorized Signatory

Authorized Signatory

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Test Report

Sample Number : VEL/W/10 Report No. : VEL/W/2609170010

S.No.	Test Parameter	Test Method	Results	Units	Requirement as per IS:10500-2012	
					Acceptable Limit	Permissible Limits
15	Fluoride (as F),Max	APHA 4500 F D	0.23	mg/L	1.0	1.5
16	Nitrate (as NO3),Max	IS: 3025 (P- 34)	4.18	mg/L	45	No relaxation
17	Iron (as Fe),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	1.0	No relaxation
18	Aluminium (as Al),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L	0.03	0.2
19	Boron (as B),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	0.5	2.4
20	Phenolic Compounds (as C6H5OH),Max	IS:3025 (Part-43)	BLQ(LOQ-0.001)	mg/L	0.001	0.002
21	Anionic Detergents (as MBAS),Max	IS:3025 (Part-68)	BLQ(LOQ-0.05)	mg/L	0.2	1.0
22	Zinc (as Zn),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	5	15
23	Total Chromium (as Cr),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.05	No Relaxation
24	Copper (as Cu),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.05	1.5
25	Manganese (as Mn),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	0.1	0.3
26	Cadmium (as Cd),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.003	No relaxation
27	Lead (as Pb),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.01	No relaxation
28	Selenium (as Se),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.001)	mg/L	0.01	No relaxation
29	Total Arsenic (as As),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L	0.01	No relaxation
30	Mercury (as Hg),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.0005)	mg/L	0.001	No relaxation

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Reviewed By

Authorized Signatory

Dr. Shiv Prakash Singh
General Manager Technical

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Test Report

Sample Number : VEL/W/10 Report No. : VEL/W/2609170010

S.No.	Test Parameter	Test Method	Results	Units	Requirement as per IS:10500-2012	
					Acceptable Limit	Permissible Limits
Discipline : Biological						
31	E.coli	IS 15185	Absent	Per 100 ml	Shall not be detectable in any 100 ml sample	--
32	Coliform	IS 15185	Absent	Per 100 ml	Shall not be detectable in any 100 ml sample	--

BLQ- Below Limit of Quantification, LOQ- Limit of Quantification.

End of Report

VARDAN ENVIROLAB LLP
Nitin Kumar Verma
Technical Manager
09/09/26

Reviewed By

VARDAN ENVIROLAB LLP
Dharmendra Kumar
Technical Manager
09/09/26

Authorized Signatory

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Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
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Test Report

Sample Number : VEL/W/11

Name & Address of the Party : M/s Emil Mines & Mineral Resources Ltd.
Bandha Coal Mining Div (MDO), Bandha Coal Block, Village-Bandha, Tehsil-Bargawan, District-Singrauli, Madhya Pradesh Madhya Pradesh

Name of Sample : Ground Water
Sample Group : Water
Location : Village -Amelia
Sample Collected by : VEL Representative :-(Mr. Krishna)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : APHA & IS

Report No. : VEL/W/2609170011
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 24/09/2026
Period of Analysis : 17/09/2026-24/09/2026
Receipt Date : 17/09/2026
Sampling Date : 14/09/2026
Sampling Quantity : 5Ltrs.+250ml.
Sampling Type : Grab

S.No.	Test Parameter	Test Method	Results	Units	Requirement as per IS:10500-2012	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	pH (at 25 °C)	IS:3025 (Part-11)	7.21	-	6.5-8.5	No relaxation
2	Colour	IS:3025 (Part-4)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity	IS:3025 (Part-10)	0.65	NTU	1	5
4	Odour	IS:3025 (Part-5)	Agreeable	-	Agreeable	Agreeable
5	Taste	IS:3025 (Part-8)	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO3),Max	IS:3025 (Part-21)	328.68	mg/L	200	600
7	Calcium (as Ca),Max	IS:3025 (Part-40)	67.45	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025 (Part-23)	311.10	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 (Part-32)	22.31	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS:3025 (Part-26)	BLQ(LOQ-0.1)	mg/L	0.2	1
11	Cyanide (as CN),Max	IS:3025 (Part-27)	BLQ(LOQ-0.02)	mg/L	0.05	No relaxation
12	Magnesium (as Mg),Max	APHA 3500 Mg B	38.89	mg/L	30	100
13	Total Dissolved Solids (at 180°C),Max	IS:3025 (Part-16)	356	mg/L	500	2000
14	Sulphate (as SO4), Max	IS:3025 (Part-24)	10.29	mg/L	200	400

Reviewed By

Authorized Signatory

Shiv Prakash Singh, Lab Manager, Technical

24/09/26

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Test Report

Sample Number : VEL/W/11 Report No. : VEL/W/2609170011

S.No.	Test Parameter	Test Method	Results	Units	Requirement as per IS:10500-2012	
					Acceptable Limit	Permissible Limits
15	Fluoride (as F),Max	APHA 4500 F D	0.25	mg/L	1.0	1.5
16	Nitrate (as NO3),Max	IS: 3025 (P- 34)	6.08	mg/L	45	No relaxation
17	Iron (as Fe),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	0.011	mg/L	1.0	No relaxation
18	Aluminium (as Al),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L	0.03	0.2
19	Boron (as B),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	0.5	2.4
20	Phenolic Compounds (as C6H5OH),Max	IS:3025 (Part-43)	BLQ(LOQ-0.001)	mg/L	0.001	0.002
21	Anionic Detergents (as MBAS),Max	IS:3025 (Part-68)	BLQ(LOQ-0.05)	mg/L	0.2	1.0
22	Zinc (as Zn),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	2.978	mg/L	5	15
23	Total Chromium (as Cr),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.05	No Relaxation
24	Copper (as Cu),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.05	1.5
25	Manganese (as Mn),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	0.109	mg/L	0.1	0.3
26	Cadmium (as Cd),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.003	No relaxation
27	Lead (as Pb),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.01	No relaxation
28	Selenium (as Se),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	0.0019	mg/L	0.01	No relaxation
29	Total Arsenic (as As),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L	0.01	No relaxation
30	Mercury (as Hg),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L	0.001	No relaxation

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Authorized Signatory

VARDAN ENVIROLAB LLP Prabhash Singh General Manager Technical 24/09/26 Authorized Signatory

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ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number : VEL/W/11 **Report No.** : VEL/W/2609170011

S.No.	Test Parameter	Test Method	Results	Units	Requirement as per IS:10500-2012	
					Acceptable Limit	Permissible Limits
Discipline : Biological						
31	E.coli	IS 15185	Absent	Per 100 ml	Shall not be detectable in any 100 ml sample	--
32	Coliform	IS 15185	Absent	Per 100 ml	Shall not be detectable in any 100 ml sample	--

BLQ- Below Limit of Quantification, LOQ- Limit of Quantification.

End of Report

VARDAN ENVIROLAB LLP Nitin Kumar Verma Technical Manager 26/09/26

Reviewed By

VARDAN ENVIROLAB LLP Dharmendra Kumar Dixit Technical Manager Microbiology 26/09/26

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Vardan Envirolab LLP

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number : VEL/W/12
Name & Address of the Party : M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO), Bandha Coal Block, Village-Bandha, Tehsil-Bargawan, District-Singrauli, Madhya Pradesh Madhya Pradesh

Name of Sample : Ground Water
Sample Group : Water/Residues and contaminants in Water
Location : Village -Budheri
Sample Collected by : VEL Representative :-(Mr. Krishna)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : APHA & IS

Report No. : VEL/W/2609170012
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 24/09/2026
Period of Analysis : 17/09/2026-24/09/2026
Receipt Date : 17/09/2026
Sampling Date : 14/09/2026
Sampling Quantity : 5Ltrs.+250ml.
Sampling Type : Grab

S.No.	Test Parameter	Test Method	Results	Units	Requirement as per IS:10500-2012	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	pH (at 25 °C)	IS:3025 (Part-11)	7.62	-	6.5-8.5	No relaxation
2	Colour	IS:3025 (Part-4)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity	IS:3025 (Part-10)	<0.5	NTU	1	5
4	Odour	IS:3025 (Part-5)	Agreeable	-	Agreeable	Agreeable
5	Taste	IS:3025 (Part-8)	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO3),Max	IS:3025 (Part-21)	124.74	mg/L	200	600
7	Calcium (as Ca),Max	IS:3025 (Part-40)	26.19	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025 (Part-23)	71.40	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 (Part-32)	25.85	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS:3025 (Part-26)	BLQ(LOQ-0.1)	mg/L	0.2	1
11	Cyanide (as CN),Max	IS:3025 (Part-27)	BLQ(LOQ-0.02)	mg/L	0.05	No relaxation
12	Magnesium (as Mg),Max	APHA 3500 Mg B	14.40	mg/L	30	100
13	Total Dissolved Solids (at 180°C),Max	IS:3025 (Part-16)	142	mg/L	500	2000
14	Sulphate (as SO4), Max	IS:3025 (Part-24)	9.08	mg/L	200	400

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VARDAN ENVIROLAB LLP Dr. Shiv Gopal Singh Technical Manager Authorized Signatory 24/9/26

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Test Report

Sample Number : VEL/W/12 Report No. : VEL/W/2609170012

S.No.	Test Parameter	Test Method	Results	Units	Requirement as per IS:10500-2012	
					Acceptable Limit	Permissible Limits
15	Fluoride (as F),Max	APHA 4500 F D	0.22	mg/L	1.0	1.5
16	Nitrate (as NO3),Max	IS: 3025 (P- 34)	3.01	mg/L	45	No relaxation
17	Iron (as Fe),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	1.0	No relaxation
18	Aluminium (as Al),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	0.0067	mg/L	0.03	0.2
19	Boron (as B),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	0.5	2.4
20	Phenolic Compounds (as C6H5OH),Max	IS:3025 (Part-43)	BLQ(LOQ-0.001)	mg/L	0.001	0.002
21	Anionic Detergents (as MBAS),Max	IS:3025 (Part-68)	BLQ(LOQ-0.05)	mg/L	0.2	1.0
22	Zinc (as Zn),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	5	15
23	Total Chromium (as Cr),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.05	No Relaxation
24	Copper (as Cu),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.05	1.5
25	Manganese (as Mn),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	0.1	0.3
26	Cadmium (as Cd),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.003	No relaxation
27	Lead (as Pb),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.01	No relaxation
28	Selenium (as Se),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.001)	mg/L	0.01	No relaxation
29	Total Arsenic (as As),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L	0.01	No relaxation
30	Mercury (as Hg),Max	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.0005)	mg/L	0.001	No relaxation

VARDAN ENVIROLAB LLP 24/09/26

Reviewed By

VARDAN ENVIROLAB LLP Dr. Shiv Prakash Singh General Manager Technical 24/9/26 Authorized Signatory

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Test Report

Sample Number : VEL/W/12 **Report No.** : VEL/W/2609170012

S.No.	Test Parameter	Test Method	Results	Units	Requirement as per IS:10500-2012	
					Acceptable Limit	Permissible Limits
Discipline : Biological						
31	E.coli	IS 15185	Absent	Per 100 ml	Shall not be detectable in any 100 ml sample	--
32	Coliform	IS 15185	Absent	Per 100 ml	Shall not be detectable in any 100 ml sample	--

BLQ- Below Limit of Quantification, LOQ- Limit of Quantification.

End of Report

VARDAN ENVIROLAB LLP Nitin Kumar Verma Technical Manager 24/09/26

VARDAN ENVIROLAB LLP Dharmendra Kumar Dixit Technical Manager 24/09/26

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Authorized Signatory

Vardan Envirolab LLP

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number : VEL/W/01

Name & Address of the Party : M/s Emil Mines & Mineral Resources Ltd.
Bandha Coal Mining Div (MDO), Bandha Coal Block, Village-Bandha, Tehsil-Bargawan, District-Singrauli, Madhya Pradesh Madhya Pradesh

Name of Sample : Surface Water
Sample Group : Water
Location : Pond Near Pachaur
Sample Collected By : VEL Representative :- (Mr. Krishna)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS : 3025 & APHA

Report No. : VEL/W/2609170001
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 24/09/2026
Period of Analysis : 17/09/2026-24/09/2026
Receipt Date : 17/09/2026
Sampling Date : 14/09/2026
Sampling Quantity : 05 Ltrs.+250ml.
Sampling Type : Grab

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
1	pH (at 25°C)	IS 3025 (P-11)	7.91	--
2	Colour	IS 3025 (P-4)	BLQ(LOQ-1.0)	Hazen
3	Electrical Conductivity	IS 3025 (P-14)	89.1	µS/cm
4	Odour	IS 3025 (P-5)	Agreeable	--
5	Total Hardness(as CaCO3)	IS 3025 (P-21)	39.60	mg/L
6	Chloride (as Cl)	IS 3025 (P-32)	15.21	mg/L
7	Dissolved Oxygen (at 20° C)	IS:3025 (P-38)	7.1	mg/L
8	Ammonical Nitrogen as N	IS 3025 (P-34)	BLQ(LOQ-0.1)	mg/L
9	Total Dissolved Solids	IS 3025 (P-16)	56	mg/L
10	Sulphate (as SO4)	IS 3025 (P-24)	BLQ(LOQ-5.0)	mg/L
11	Fluoride (as F)	APHA 4500 F D	BLQ(LOQ-0.2)	mg/L
12	COD	IS:3025 (P-58)	BLQ(LOQ-2.0)	mg/L
13	BOD (3 Days at 27°C)	IS 3025(P-44)	BLQ(LOQ-1.0)	mg/L
14	Nitrate (as NO3)	IS 3025 (P-34)	BLQ(LOQ-1.0)	mg/L
15	Lead (as Pb)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
16	Selenium (Se)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.001)	mg/L

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Test Report

Sample Number : VEL/W/01 Report No. : VEL/W/2609170001

S.No.	Test Parameters	Test Method	Results	Units
17	Iron (as Fe)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L
18	Arsenic (as As)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L
19	Phenolic Compounds (as C6H5OH)	IS:3025 Part-43	BLQ(LOQ-0.001)	mg/L
20	Phosphate (as Po4)	IS 3025 (P-31)	BLQ(LOQ-0.2)	mg/L
21	Carbonate as CO3	IS 3025 (P-51)	NIL	mg/L
22	Zinc (as Zn)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L
23	Copper (as Cu)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
24	Cadmium (as Cd)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
25	Turbidity	IS 3025 (P-10)	3.30	NTU
26	Calcium (as Ca)	IS 3025 (P-40)	7.14	mg/L
27	Alkalinity (as CaCO3)	IS 3025 (P-23)	40.08	mg/L
28	Magnesium (as Mg)	IS:3025 (P-46)	5.28	mg/L
29	Aluminium as Al	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L
30	Residual Free Chlorine	IS:3025 (P-26)	BLQ(LOQ-0.1)	mg/L
31	Total Suspended Solids at 105°C	IS: 3025 (P-17)	7.10	mg/L
32	Sodium (as Na)	IS 3025 (P-45)	2.26	mg/L
33	Potassium (as K)	IS 3025 (P-45)	1.93	mg/L
34	Manganese as Mn	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L

VARDAN ENVIROLAB LLP 24/09/2026

Reviewed By

VARDAN ENVIROLAB LLP Dr. Shiv Prakash Singh Chief Manager Technical 24/09/2026 Authorized Signatory

Authorized Signatory

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Vardan Envirolab LLP
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number : VEL/W/01 Report No. : VEL/W/2609170001

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
37	Mercury (as Hg)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.0005)	mg/L
38	Nickel (as Ni)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L

BLQ- Below Limit of Quantification, LOQ- Limit of Quantification.

End of Report

Reviewed By

Authorized Signatory

Dr Shiv Prakash Gupta
General Manager
Technical

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Test Report

Sample Number : VEL/W/01 Report No. : VEL/W/2609170001

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Biological				
35	Total Coliform	IS 15185:2016	Absent	Per 100ml
36	E.Coli	IS 15185:2016	Absent	Per 100ml

VARDAN ENVIROLAB LLP
Nitin Kumar Verma
Deputy Technical Manager
24/09/26

Reviewed By

VARDAN ENVIROLAB LLP
Dharmendra Kumar
Technical Manager
24/09/26

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Vardan Envirolab LLP

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number : VEL/W/02

Name & Address of the Party : M/s Emil Mines & Mineral Resources Ltd.
Bandha Coal Mining Div (MDO), Bandha Coal Block, Village-Bandha, Tehsil-Bargawan, District-Singrauli, Madhya Pradesh Madhya Pradesh

Name of Sample : Surface Water
Sample Group : Water
Location : Bandha Nala Near Ujjaini
Sample Collected By : VEL Representative :- (Mr. Krishna)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS : 3025 & APHA

Report No. : VEL/W/2609170002
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 24/09/2026
Period of Analysis : 17/09/2026-24/09/2026
Receipt Date : 17/09/2026
Sampling Date : 14/09/2026
Sampling Quantity : 05 Ltrs.+250ml.
Sampling Type : Grab

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
1	pH (at 25°C)	IS 3025 (P-11)	7.38	--
2	Colour	IS 3025 (P-4)	BLQ(LOQ-1.0)	Hazen
3	Electrical Conductivity	IS 3025 (P-14)	284.3	µS/cm
4	Odour	IS 3025 (P-5)	Agreeable	--
5	Total Hardness(as CaCO3)	IS 3025 (P-21)	114.84	mg/L
6	Chloride (as Cl)	IS 3025 (P-32)	18.76	mg/L
7	Dissolved Oxygen (at 20° C)	IS:3025 (P-38)	6.6	mg/L
8	Ammonical Nitrogen as N	IS 3025 (P-34)	BLQ(LOQ-0.1)	mg/L
9	Total Dissolved Solids	IS 3025 (P-16)	182	mg/L
10	Sulphate (as SO4)	IS 3025 (P-24)	10.24	mg/L
11	Fluoride (as F)	APHA 4500 F D	0.21	mg/L
12	COD	IS:3025 (P-58)	BLQ(LOQ-2.0)	mg/L
13	BOD (3 Days at 27°C)	IS 3025(P-44)	BLQ(LOQ-1.0)	mg/L
14	Nitrate (as NO3)	IS 3025 (P-34)	5.26	mg/L
15	Lead (as Pb)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
16	Selenium (Se)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.001)	mg/L

Reviewed By

Authorized Signatory
Dr. Shiv Shankar Singh
General Manager
Technical
24/09/2026
Authorized Signatory

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Test Report

Sample Number : VEL/W/02 Report No. : VEL/W/2609170002

S.No.	Test Parameters	Test Method	Results	Units
17	Iron (as Fe)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L
18	Arsenic (as As)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L
19	Phenolic Compounds (as C6H5OH)	IS:3025 Part-43	BLQ(LOQ-0.001)	mg/L
20	Phosphate (as Po4)	IS 3025 (P-31)	BLQ(LOQ-0.2)	mg/L
21	Carbonate as CO3	IS 3025 (P-51)	NIL	mg/L
22	Zinc (as Zn)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L
23	Copper (as Cu)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
24	Cadmium (as Cd)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
25	Turbidity	IS 3025 (P-10)	8.03	NTU
26	Calcium (as Ca)	IS 3025 (P-40)	24.60	mg/L
27	Alkalinity (as CaCO3)	IS 3025 (P-23)	132.60	mg/L
28	Magnesium (as Mg)	IS:3025 (P-46)	12.96	mg/L
29	Aluminium as Al	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	0.049	mg/L
30	Residual Free Chlorine	IS:3025 (P-26)	BLQ(LOQ-0.1)	mg/L
31	Total Suspended Solids at 105°C	IS: 3025 (P-17)	15.40	mg/L
32	Sodium (as Na)	IS 3025 (P-45)	19.46	mg/L
33	Potassium (as K)	IS 3025 (P-45)	6.68	mg/L
34	Manganese as Mn	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L

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Reviewed By

VARDAN ENVIROLAB LLP Dr. Shiv Prakash Singh General Manager Technical Authorized Signatory 24/09/2026

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Test Report

Sample Number : VEL/W/02 Report No. : VEL/W/2609170002

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
37	Mercury (as Hg)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.0005)	mg/L
38	Nickel (as Ni)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L

BLQ- Below Limit of Quantification, LOQ- Limit of Quantification.

End of Report

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Authorized Signatory

VARDAN ENVIROLAB LLP Dr. Shiv Singh Operation Manager Technical Authorized Signatory

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ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number : VEL/W/02 **Report No.** : VEL/W/2609170002

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Biological				
35	Total Coliform	IS 15185:2016	Absent	Per 100ml
36	E.Coli	IS 15185:2016	Absent	Per 100ml

VARDAN ENVIROLAB LLP
Nitin Kumar Verma
Technical Manager
24/09/26

Reviewed By

VARDAN ENVIROLAB LLP
Dharmendra Kumar Dixit
Technical Manager
24/09/26

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ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number : VEL/W/03

Name & Address of the Party : M/s Emil Mines & Mineral Resources Ltd.
Bandha Coal Mining Div (MDO), Bandha Coal Block, Village-Bandha, Tehsil-Bargawan, District-Singrauli, Madhya Pradesh Madhya Pradesh

Report No. : VEL/W/2609170003
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 24/09/2026
Period of Analysis : 17/09/2026-24/09/2026
Receipt Date : 17/09/2026
Sampling Date : 14/09/2026
Sampling Quantity : 05 Ltrs.+250ml.
Sampling Type : Grab

Name of Sample : Surface Water
Sample Group : Water
Location : Kanchan Near Phulbari
Sample Collected By : VEL Representative :- (Mr. Krishna)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS : 3025 & APHA

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
1	pH (at 25°C)	IS 3025 (P-11)	7.29	--
2	Colour	IS 3025 (P-4)	BLQ(LOQ-1.0)	Hazen
3	Electrical Conductivity	IS 3025 (P-14)	175.8	µS/cm
4	Odour	IS 3025 (P-5)	Agreeable	--
5	Total Hardness(as CaCO3)	IS 3025 (P-21)	75.24	mg/L
6	Chloride (as Cl)	IS 3025 (P-32)	15.21	mg/L
7	Dissolved Oxygen (at 20° C)	IS:3025 (P-38)	6.7	mg/L
8	Ammonical Nitrogen as N	IS 3025 (P-34)	BLQ(LOQ-0.1)	mg/L
9	Total Dissolved Solids	IS 3025 (P-16)	110	mg/L
10	Sulphate (as SO4)	IS 3025 (P-24)	8.24	mg/L
11	Fluoride (as F)	APHA 4500 F D	BLQ(LOQ-0.2)	mg/L
12	COD	IS:3025 (P-58)	BLQ(LOQ-2.0)	mg/L
13	BOD (3 Days at 27°C)	IS 3025(P-44)	BLQ(LOQ-1.0)	mg/L
14	Nitrate (as NO3)	IS 3025 (P-34)	3.42	mg/L
15	Lead (as Pb)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
16	Selenium (Se)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.001)	mg/L

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Test Report

Sample Number : VEL/W/03 Report No. : VEL/W/2609170003

S.No.	Test Parameters	Test Method	Results	Units
17	Iron (as Fe)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L
18	Arsenic (as As)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L
19	Phenolic Compounds (as C6H5OH)	IS:3025 Part-43	BLQ(LOQ-0.001)	mg/L
20	Phosphate (as Po4)	IS 3025 (P-31)	BLQ(LOQ-0.2)	mg/L
21	Carbonate as CO3	IS 3025 (P-51)	NIL	mg/L
22	Zinc (as Zn)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L
23	Copper (as Cu)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
24	Cadmium (as Cd)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
25	Turbidity	IS 3025 (P-10)	50.6	NTU
26	Calcium (as Ca)	IS 3025 (P-40)	14.28	mg/L
27	Alkalinity (as CaCO3)	IS 3025 (P-23)	76.50	mg/L
28	Magnesium (as Mg)	IS:3025 (P-46)	9.60	mg/L
29	Aluminium as Al	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L
30	Residual Free Chlorine	IS:3025 (P-26)	BLQ(LOQ-0.1)	mg/L
31	Total Suspended Solids at 105°C	IS: 3025 (P-17)	61.4	mg/L
32	Sodium (as Na)	IS 3025 (P-45)	10.74	mg/L
33	Potassium (as K)	IS 3025 (P-45)	2.32	mg/L
34	Manganese as Mn	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L

VARDAN ENVIROLAB LLP 24/09/26

Reviewed By

VARDAN ENVIROLAB LLP Dr. Shiv Kishan Singh General Manager Technical Authorized Signatory 24/9/26

Authorized Signatory

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Vardan Envirolab LLP

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number : VEL/W/03 **Report No.** : VEL/W/2609170003

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
37	Mercury (as Hg)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.0005)	mg/L
38	Nickel (as Ni)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L

BLQ- Below Limit of Quantification, LOQ- Limit of Quantification.

End of Report

VARDAN ENVIROLAB LLP

Reviewed By

Authorized Signatory
Nirakash Singh
General Manager
Technical
24/09/2026

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Test Report

Sample Number : VEL/W/03 Report No. : VEL/W/2609170003

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Biological				
35	Total Coliform	IS 15185:2016	Absent	Per 100ml
36	E.Coli	IS 15185:2016	Absent	Per 100ml

VARDAN ENVIROLAB LLP
Nitin Kumar Verma
Technical Manager
24/09/26

Reviewed By

VARDAN ENVIROLAB LLP
Dharmendra Kumar Dubey
Technical Manager (Biology)
24/09/26

Authorized Signatory

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Vardan Envirolab LLP

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number : VEL/W/04

Name & Address of the Party : M/s Emil Mines & Mineral Resources Ltd.
Bandha Coal Mining Div (MDO), Bandha Coal Block, Village-Bandha, Tehsil-Bargawan, District-Singrauli, Madhya Pradesh Madhya Pradesh

Name of Sample : Surface Water
Sample Group : Water
Location : Mahan N Near Lamidah
Sample Collected By : VEL Representative :- (Mr. Krishna)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS : 3025 & APHA

Report No. : VEL/W/2609170004
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 24/09/2026
Period of Analysis : 17/09/2026-24/09/2026
Receipt Date : 17/09/2026
Sampling Date : 14/09/2026
Sampling Quantity : 05 Ltrs.+250ml.
Sampling Type : Grab

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
1	pH (at 25°C)	IS 3025 (P-11)	7.36	--
2	Colour	IS 3025 (P-4)	BLQ(LOQ-1.0)	Hazen
3	Electrical Conductivity	IS 3025 (P-14)	159.7	µS/cm
4	Odour	IS 3025 (P-5)	Agreeable	--
5	Total Hardness(as CaCO3)	IS 3025 (P-21)	75.24	mg/L
6	Chloride (as Cl)	IS 3025 (P-32)	16.22	mg/L
7	Dissolved Oxygen (at 20° C)	IS:3025 (P-38)	6.9	mg/L
8	Ammonical Nitrogen as N	IS 3025 (P-34)	BLQ(LOQ-0.1)	mg/L
9	Total Dissolved Solids	IS 3025 (P-16)	101	mg/L
10	Sulphate (as SO4)	IS 3025 (P-24)	9.08	mg/L
11	Fluoride (as F)	APHA 4500 F D	BLQ(LOQ-0.2)	mg/L
12	COD	IS:3025 (P-58)	BLQ(LOQ-2.0)	mg/L
13	BOD (3 Days at 27°C)	IS 3025(P-44)	BLQ(LOQ-1.0)	mg/L
14	Nitrate (as NO3)	IS 3025 (P-34)	4.06	mg/L
15	Lead (as Pb)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
16	Selenium (Se)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.001)	mg/L

VARDAN ENVIROLAB LLP 24/09/26

Reviewed By

VARDAN ENVIROLAB LLP Dr. Shiv General Manager Technical Authorized Signatory 24/09/2026

Authorized Signatory

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Test Report

Sample Number : VEL/W/04 Report No. : VEL/W/2609170004

S.No.	Test Parameters	Test Method	Results	Units
17	Iron (as Fe)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L
18	Arsenic (as As)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L
19	Phenolic Compounds (as C6H5OH)	IS:3025 Part-43	BLQ(LOQ-0.001)	mg/L
20	Phosphate (as Po4)	IS 3025 (P-31)	BLQ(LOQ-0.2)	mg/L
21	Carbonate as CO3	IS 3025 (P-51)	NIL	mg/L
22	Zinc (as Zn)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L
23	Copper (as Cu)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
24	Cadmium (as Cd)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
25	Turbidity	IS 3025 (P-10)	10.8	NTU
26	Calcium (as Ca)	IS 3025 (P-40)	15.87	mg/L
27	Alkalinity (as CaCO3)	IS 3025 (P-23)	61.20	mg/L
28	Magnesium (as Mg)	IS:3025 (P-46)	9.60	mg/L
29	Aluminium as Al	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	0.023	mg/L
30	Residual Free Chlorine	IS:3025 (P-26)	BLQ(LOQ-0.1)	mg/L
31	Total Suspended Solids at 105°C	IS: 3025 (P-17)	15.60	mg/L
32	Sodium (as Na)	IS 3025 (P-45)	6.45	mg/L
33	Potassium (as K)	IS 3025 (P-45)	1.57	mg/L
34	Manganese as Mn	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L

VARDAN ENVIROLAB LLP 24/09

Reviewed By

VARDAN ENVIROLAB LLP Dr. Shiv Prakash Singh Technical Manager 24/09/2026 Authorized Signatory

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Test Report

Sample Number : VEL/W/04 **Report No.** : VEL/W/2609170004

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
37	Mercury (as Hg)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.0005)	mg/L
38	Nickel (as Ni)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L

BLQ- Below Limit of Quantification, LOQ- Limit of Quantification.

End of Report

VARDAN ENVIROLAB LLP GURUGRAM

Reviewed By

Authorized Signatory

VARDAN ENVIROLAB LLP Dr. Shiv Kumar Singh General Manager Technical Authorized Signatory

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Test Report

Sample Number : VEL/W/04 **Report No.** : VEL/W/2609170004

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Biological				
35	Total Coliform	IS 15185:2016	Absent	Per 100ml
36	E.Coli	IS 15185:2016	Absent	Per 100ml

VARDAN ENVIROLAB LLP * Nitin Kumar Verma Deputy Technical Manager 24/09/26

Reviewed By

VARDAN ENVIROLAB LLP * Dharmendra Kumar Dixit 24/09/26

Authorized Signatory

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Vardan Envirolab LLP

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number : VEL/W/05

Name & Address of the Party : M/s Emil Mines & Mineral Resources Ltd.
Bandha Coal Mining Div (MDO), Bandha Coal Block, Village-Bandha, Tehsil-Bargawan, District-Singrauli, Madhya Pradesh Madhya Pradesh

Report No. : VEL/W/2609170005
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 24/09/2026
Period of Analysis : 17/09/2026-24/09/2026
Receipt Date : 17/09/2026
Sampling Date : 14/09/2026
Sampling Quantity : 05 Ltrs.+250ml.
Sampling Type : Grab

Name of Sample : Surface Water
Sample Group : Water
Location : Pond Near Suhira
Sample Collected By : VEL Representative :- (Mr. Krishna)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS : 3025 & APHA

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
1	pH (at 25°C)	IS 3025 (P-11)	7.24	--
2	Colour	IS 3025 (P-4)	BLQ(LOQ-1.0)	Hazen
3	Electrical Conductivity	IS 3025 (P-14)	81.1	µS/cm
4	Odour	IS 3025 (P-5)	Agreeable	--
5	Total Hardness(as CaCO3)	IS 3025 (P-21)	49.50	mg/L
6	Chloride (as Cl)	IS 3025 (P-32)	11.66	mg/L
7	Dissolved Oxygen (at 20° C)	IS:3025 (P-38)	6.7	mg/L
8	Ammonical Nitrogen as N	IS 3025 (P-34)	BLQ(LOQ-0.1)	mg/L
9	Total Dissolved Solids	IS 3025 (P-16)	50	mg/L
10	Sulphate (as SO4)	IS 3025 (P-24)	BLQ(LOQ-5.0)	mg/L
11	Fluoride (as F)	APHA 4500 F D	BLQ(LOQ-0.2)	mg/L
12	COD	IS:3025 (P-58)	BLQ(LOQ-2.0)	mg/L
13	BOD (3 Days at 27°C)	IS 3025(P-44)	BLQ(LOQ-1.0)	mg/L
14	Nitrate (as NO3)	IS 3025 (P-34)	2.49	mg/L
15	Lead (as Pb)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
16	Selenium (Se)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.001)	mg/L

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Test Report

Sample Number : VEL/W/05 Report No. : VEL/W/2609170005

S.No.	Test Parameters	Test Method	Results	Units
17	Iron (as Fe)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L
18	Arsenic (as As)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L
19	Phenolic Compounds (as C6H5OH)	IS:3025 Part-43	BLQ(LOQ-0.001)	mg/L
20	Phosphate (as Po4)	IS 3025 (P-31)	BLQ(LOQ-0.2)	mg/L
21	Carbonate as CO3	IS 3025 (P-51)	NIL	mg/L
22	Zinc (as Zn)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L
23	Copper (as Cu)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
24	Cadmium (as Cd)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
25	Turbidity	IS 3025 (P-10)	90.3	NTU
26	Calcium (as Ca)	IS 3025 (P-40)	10.32	mg/L
27	Alkalinity (as CaCO3)	IS 3025 (P-23)	51	mg/L
28	Magnesium (as Mg)	IS:3025 (P-46)	5.76	mg/L
29	Aluminium as Al	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L
30	Residual Free Chlorine	IS:3025 (P-26)	BLQ(LOQ-0.1)	mg/L
31	Total Suspended Solids at 105°C	IS: 3025 (P-17)	112	mg/L
32	Sodium (as Na)	IS 3025 (P-45)	2.44	mg/L
33	Potassium (as K)	IS 3025 (P-45)	2.08	mg/L
34	Manganese as Mn	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L

VARDAN ENVIROLAB LLP 24/9/

Reviewed By

Authorized Signatory

VARDAN ENVIROLAB LLP Dr. Shiv Kumar Singh General Manager Technical Authorized Signatory 24/9/2026

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Test Report

Sample Number : VEL/W/05 **Report No.** : VEL/W/2609170005

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
37	Mercury (as Hg)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.0005)	mg/L
38	Nickel (as Ni)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L

BLQ- Below Limit of Quantification, LOQ- Limit of Quantification.

End of Report

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Vardan Envirolab LLP

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number : VEL/W/05 **Report No.** : VEL/W/2609170005

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Biological				
35	Total Coliform	IS 15185:2016	Absent	Per 100ml
36	E.Coli	IS 15185:2016	Absent	Per 100ml

VARDAN ENVIROLAB LLP
Nitin Kumar Verma
Deputy Technical Manager
24/09/26

Reviewed By

VARDAN ENVIROLAB LLP
Dharmendra Kumar Dixit
Technical Management Representative
24/09/26

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Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number : VEL/W/06

Name & Address of the Party : M/s Emil Mines & Mineral Resources Ltd.
Bandha Coal Mining Div (MDO), Bandha Coal Block, Village-Bandha, Tehsil-Bargawan, District-Singrauli, Madhya Pradesh Madhya Pradesh

Name of Sample : **Surface Water**
Sample Group : Water
Location : Pond Near Pidarwah
Sample Collected By : VEL Representative :- (Mr. Krishna)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS : 3025 & APHA

Report No. : VEL/W/2609170006
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 24/09/2026
Period of Analysis : 17/09/2026-24/09/2026
Receipt Date : 17/09/2026
Sampling Date : 14/09/2026
Sampling Quantity : 05 Ltrs.+250ml.
Sampling Type : Grab

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
1	pH (at 25°C)	IS 3025 (P-11)	7.06	--
2	Colour	IS 3025 (P-4)	BLQ(LOQ-1.0)	Hazen
3	Electrical Conductivity	IS 3025 (P-14)	41.28	µS/cm
4	Odour	IS 3025 (P-5)	Agreeable	--
5	Total Hardness(as CaCO3)	IS 3025 (P-21)	27.72	mg/L
6	Chloride (as Cl)	IS 3025 (P-32)	7.10	mg/L
7	Dissolved Oxygen (at 20° C)	IS:3025 (P-38)	6.6	mg/L
8	Ammonical Nitrogen as N	IS 3025 (P-34)	BLQ(LOQ-0.1)	mg/L
9	Total Dissolved Solids	IS 3025 (P-16)	25	mg/L
10	Sulphate (as SO4)	IS 3025 (P-24)	BLQ(LOQ-5.0)	mg/L
11	Fluoride (as F)	APHA 4500 F D	BLQ(LOQ-0.2)	mg/L
12	COD	IS:3025 (P-58)	BLQ(LOQ-2.0)	mg/L
13	BOD (3 Days at 27°C)	IS 3025(P-44)	BLQ(LOQ-1.0)	mg/L
14	Nitrate (as NO3)	IS 3025 (P-34)	BLQ(LOQ-1.0)	mg/L
15	Lead (as Pb)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
16	Selenium (Se)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.001)	mg/L

VARDAN ENVIROLAB LLP 24/09/26
Reviewed By

VARDAN ENVIROLAB LLP Pradeep Singh General Manager Technical Authorized Signatory 24/09/26
Authorized Signatory

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Test Report

Sample Number : VEL/W/06 Report No. : VEL/W/2609170006

S.No.	Test Parameters	Test Method	Results	Units
17	Iron (as Fe)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L
18	Arsenic (as As)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L
19	Phenolic Compounds (as C6H5OH)	IS:3025 Part-43	BLQ(LOQ-0.001)	mg/L
20	Phosphate (as Po4)	IS 3025 (P-31)	BLQ(LOQ-0.2)	mg/L
21	Carbonate as CO3	IS 3025 (P-51)	NIL	mg/L
22	Zinc (as Zn)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L
23	Copper (as Cu)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
24	Cadmium (as Cd)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
25	Turbidity	IS 3025 (P-10)	68.3	NTU
26	Calcium (as Ca)	IS 3025 (P-40)	6.35	mg/L
27	Alkalinity (as CaCO3)	IS 3025 (P-23)	10.20	mg/L
28	Magnesium (as Mg)	IS:3025 (P-46)	2.8	mg/L
29	Aluminium as Al	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	0.0055	mg/L
30	Residual Free Chlorine	IS:3025 (P-26)	BLQ(LOQ-0.1)	mg/L
31	Total Suspended Solids at 105°C	IS: 3025 (P-17)	82	mg/L
32	Sodium (as Na)	IS 3025 (P-45)	1.58	mg/L
33	Potassium (as K)	IS 3025 (P-45)	BLQ(LOQ-1.0)	mg/L
34	Manganese as Mn	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L

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Reviewed By

Authorized Signatory

VARDAN ENVIROLAB LLP * Authorized Signatory * Prakash Singh General Manager Technical

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Test Report

Sample Number : VEL/W/06 **Report No.** : VEL/W/2609170006

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
37	Mercury (as Hg)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.0005)	mg/L
38	Nickel (as Ni)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L

BLQ- Below Limit of Quantification, LOQ- Limit of Quantification.

End of Report

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Test Report

Sample Number : VEL/W/06 **Report No.** : VEL/W/2609170006

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Biological				
35	Total Coliform	IS 15185:2016	Absent	Per 100ml
36	E.Coli	IS 15185:2016	Absent	Per 100ml

VARDAN ENVIROLAB LLP Nitin Kumar Deputy Technical Manager 24/09/26

Reviewed By

VARDAN ENVIROLAB LLP Dharmendra Kumar Dixit General Manager 24/09/26

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Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
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Test Report

Sample Number:	VEL/AP/01	**Report No.:**	VEL/AP/2607250001
Name & Address of the Project:	M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).	**Format No.:**	7.8 F-03
		Party Reference No.:	1080/ENVIR/5020000013 & Dated 20.11.2025
		Reporting Date:	28/07/2026
		Period of Analysis:	25/07/2026-28/07/2026
		Receipt Date:	25/07/2026

Sample Description: Ambient Air Quality Monitoring

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Bandha Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/01/01
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Cloudy Sky
Date of Monitoring	:	**15/07/2026-16/07/2026**
Time of Sampling	:	09:30 Hrs. to 09:30 Hrs.
Ambient Temperature (°C)	:	Min.: 28°C & Max.: 36°C
Surrounding Activity	:	Human, Vehicular & Plant Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	26.19	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	51.74	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	13.38	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.24	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.56	mg/m^3	4#
6.	Ammonia (NH_3)	IS 5182 (P-25)	*BLQ(**LOQ 20.0)	$\mu g/m^3$	400
7.	Lead (Pb)	IS 5182 (P-22)	*BLQ(**LOQ 0.1)	$\mu g/m^3$	1
8.	Benzene(C_6H_6)	IS 5182 (P-11)	*BLQ(**LOQ 0.5)	$\mu g/m^3$	05
9.	Benzo(a)pyrene	VEL/EN/STP/157, Issue No.-01, 01/11/2023	*BLQ(**LOQ 0.5)	ng/m^3	01
10.	Ozone (O_3)	IS 5182 (P-9)	12.38	$\mu g/m^3$	180#
11.	Arsenic (As)	VEL/EN/STP/110, Issue No.-01, 01/11/2023	*BLQ(**LOQ 0.1)	ng/m^3	6
12.	Nickel (Ni)	IS 5182 (P-26)	*BLQ(**LOQ 5.0)	ng/m^3	20

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.
STP- Standard Testing Procedure and* BLQ- Below Limit of Quantification, **LOQ- Limit of Quantification.
Limits for Ozone & Carbon monoxide as per one hour sampling/monitoring

End of Report

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Vardan Envirolab LLP

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/AP/02	**Report No.:**	VEL/AP/2607250002
Name & Address of the Project:	M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).	**Format No.:**	7.8 F-03
		Party Reference No.:	1080/ENVIR/5020000013 & Dated 20.11.2025
		Reporting Date:	28/07/2026
		Period of Analysis:	25/07/2026-28/07/2026
		Receipt Date:	25/07/2026

Sample Description: Ambient Air Quality Monitoring

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Tenduha Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/02/02
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Cloudy Sky
Date of Monitoring	:	**15/07/2026-16/07/2026**
Time of Sampling	:	11:00 Hrs. to 11:00 Hrs.
Ambient Temperature (°C)	:	Min.: 28°C & Max.: 36°C
Surrounding Activity	:	Human, Vehicular & Plant Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	28.42	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	53.31	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	14.69	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.81	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.54	mg/m^3	4#
6.	Ammonia (NH_3)	IS 5182 (P-25)	*BLQ(**LOQ 20.0)	$\mu g/m^3$	400
7.	Lead (Pb)	IS 5182 (P-22)	*BLQ(**LOQ 0.1)	$\mu g/m^3$	1
8.	Benzene(C_6H_6)	IS 5182 (P-11)	*BLQ(**LOQ 0.5)	$\mu g/m^3$	05
9.	Benzo(a)pyrene	VEL/EN/STP/157, Issue No.-01, 01/11/2023	*BLQ(**LOQ 0.5)	ng/m^3	01
10.	Ozone (O_3)	IS 5182 (P-9)	11.42	$\mu g/m^3$	180#
11.	Arsenic (As)	VEL/EN/STP/110, Issue No.-01, 01/11/2023	*BLQ(**LOQ 0.1)	ng/m^3	6
12.	Nickel (Ni)	IS 5182 (P-26)	*BLQ(**LOQ 5.0)	ng/m^3	20

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.
STP- Standard Testing Procedure and *BLQ- Below Limit of Quantification, **LOQ- Limit of Quantification.
Limits for Ozone & Carbon monoxide as per one hour sampling/monitoring

End of Report

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ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/AP/03	**Report No.:**	VEL/AP/2607250003
Name & Address of the Project:	M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).	**Format No.:**	7.8 F-03
		Party Reference No.:	1080/ENVIR/5020000013 & Dated 20.11.2025
		Reporting Date:	28/07/2026
		Period of Analysis:	25/07/2026-28/07/2026
		Receipt Date:	25/07/2026

Sample Description: Ambient Air Quality Monitoring

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Badanmada Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/03/03
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Intermittent Rain
Date of Monitoring	:	**16/07/2026-17/07/2026**
Time of Sampling	:	10:10 Hrs. to 10:10 Hrs.
Ambient Temperature (°C)	:	Min.: 26°C & Max.: 36°C
Surrounding Activity	:	Human, Vehicular & Plant Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	27.79	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	51.86	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	14.29	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	6.45	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.56	mg/m^3	4#
6.	Ammonia (NH_3)	IS 5182 (P-25)	*BLQ(**LOQ 20.0)	$\mu g/m^3$	400
7.	Lead (Pb)	IS 5182 (P-22)	*BLQ(**LOQ 0.1)	$\mu g/m^3$	1
8.	Benzene(C_6H_6)	IS 5182 (P-11)	*BLQ(**LOQ 0.5)	$\mu g/m^3$	05
9.	Benzo(a)pyrene	VEL/EN/STP/157, Issue No.-01, 01/11/2023	*BLQ(**LOQ 0.5)	ng/m^3	01
10.	Ozone (O_3)	IS 5182 (P-9)	13.54	$\mu g/m^3$	180#
11.	Arsenic (As)	VEL/EN/STP/110, Issue No.-01, 01/11/2023	*BLQ(**LOQ 0.1)	ng/m^3	6
12.	Nickel (Ni)	IS 5182 (P-26)	*BLQ(**LOQ 5.0)	ng/m^3	20

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.
STP- Standard Testing Procedure and *BLQ- Below Limit of Quantification, **LOQ- Limit of Quantification.
#Limits for Ozone & Carbon monoxide as per one hour sampling/monitoring

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ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/AP/04	**Report No.:**	VEL/AP/2607250004
Name & Address of the Project:	M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).	**Format No.:**	7.8 F-03
		Party Reference No.:	1080/ENVIR/5020000013 & Dated 20.11.2025
		Reporting Date:	28/07/2026
		Period of Analysis:	25/07/2026-28/07/2026
		Receipt Date:	25/07/2026

Sample Description: Ambient Air Quality Monitoring

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Chaupal Jhaira Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/01/01
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Intermittent Rain
Date of Monitoring	:	**16/07/2026-17/07/2026**
Time of Sampling	:	10:40 Hrs. to 10:40 Hrs.
Ambient Temperature (°C)	:	Min.: 26°C & Max.: 36°C
Surrounding Activity	:	Human, Vehicular & Plant Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	26.81	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	49.22	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	12.96	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.39	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.65	mg/m^3	4#
6.	Ammonia (NH_3)	IS 5182 (P-25)	*BLQ(**LOQ 20.0)	$\mu g/m^3$	400
7.	Lead (Pb)	IS 5182 (P-22)	*BLQ(**LOQ 0.1)	$\mu g/m^3$	1
8.	Benzene(C_6H_6)	IS 5182 (P-11)	*BLQ(**LOQ 0.5)	$\mu g/m^3$	05
9.	Benzo(a)pyrene	VEL/EN/STP/157, Issue No.-01, 01/11/2023	*BLQ(**LOQ 0.5)	ng/m^3	01
10.	Ozone (O_3)	IS 5182 (P-9)	11.69	$\mu g/m^3$	180#
11.	Arsenic (As)	VEL/EN/STP/110, Issue No.-01, 01/11/2023	*BLQ(**LOQ 0.1)	ng/m^3	6
12.	Nickel (Ni)	IS 5182 (P-26)	*BLQ(**LOQ 5.0)	ng/m^3	20

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.
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Limits for Ozone & Carbon monoxide as per one hour sampling/monitoring

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(Authorized Signatory)

VARDAN ENVIROLAB LLP Dr. Shiv Prakash Singh Authorised Signatory

Vardan Envirolab LLP

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
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Test Report

Sample Number:	VEL/AP/11	**Report No.:**	VEL/AP/2607180011
Name & Address of the Project:	M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).	**Format No.:**	7.8 F-03
		Party Reference No.:	1080/ENVIR/5020000013 & Dated 20.11.2025
		Reporting Date:	22/07/2026
		Period of Analysis:	18/07/2026-22/07/2026
		Receipt Date:	18/07/2026

Sample Description: Ambient Air Quality Monitoring

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Budheri Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/02/02
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Cloudy Sky
Date of Monitoring	:	**14/07/2026-15/07/2026**
Time of Sampling	:	01:20 Hrs. to 01:20 Hrs.
Ambient Temperature (°C)	:	Min.: 28°C & Max.: 36°C
Surrounding Activity	:	Human, Vehicular & Plant Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	25.15	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	49.63	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	13.94	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.16	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.65	mg/m^3	4#
6.	Ammonia (NH_3)	IS 5182 (P-25)	*BLQ(**LOQ 20.0)	$\mu g/m^3$	400
7.	Lead (Pb)	IS 5182 (P-22)	*BLQ(**LOQ 0.1)	$\mu g/m^3$	1
8.	Benzene(C_6H_6)	IS 5182 (P-11)	*BLQ(**LOQ 0.5)	$\mu g/m^3$	05
9.	Benzo(a)pyrene	VEL/EN/STP/157, Issue No.-01, 01/11/2023	*BLQ(**LOQ 0.5)	ng/m^3	01
10.	Ozone (O_3)	IS 5182 (P-9)	13.02	$\mu g/m^3$	180#
11.	Arsenic (As)	VEL/EN/STP/110, Issue No.-01, 01/11/2023	*BLQ(**LOQ 0.1)	ng/m^3	6
12.	Nickel (Ni)	IS 5182 (P-26)	*BLQ(**LOQ 5.0)	ng/m^3	20

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.
STP- Standard Testing Procedure and *BLQ- Below Limit of Quantification, **LOQ- Limit of Quantification.
Limits for Ozone & Carbon monoxide as per one hour sampling/monitoring

End of Report

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(Authorized Signatory)

Vardan Envirolab LLP

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/AP/12	**Report No.:**	VEL/AP/2607180012
Name & Address of the Project:	M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).	**Format No.:**	7.8 F-03
		Party Reference No.:	1080/ENVIR/5020000013 & Dated 20.11.2025
		Reporting Date:	22/07/2026
		Period of Analysis:	18/07/2026-22/07/2026
		Receipt Date:	18/07/2026

Sample Description: Ambient Air Quality Monitoring

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Tendudol Village**
Sampling Instrument Used	:	RDS & FPS Sampler with all Accessories
Instrument Code	:	VEL/RDS/FPS/03/03
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Cloudy Sky
Date of Monitoring	:	**14/07/2026-15/07/2026**
Time of Sampling	:	01:50 Hrs. to 01:50 Hrs.
Ambient Temperature (°C)	:	Min.: 28°C & Max.: 36°C
Surrounding Activity	:	Human, Vehicular & Plant Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guideline
Sampling Duration	:	24 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	@NAAQS Limit
1.	Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24)	28.75	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS 5182 (P-23)	51.66	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS 5182 (P-6)	14.31	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS 5182 (P-2)	5.45	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.52	mg/m^3	4#
6.	Ammonia (NH_3)	IS 5182 (P-25)	*BLQ(**LOQ 20.0)	$\mu g/m^3$	400
7.	Lead (Pb)	IS 5182 (P-22)	*BLQ(**LOQ 0.1)	$\mu g/m^3$	1
8.	Benzene(C_6H_6)	IS 5182 (P-11)	*BLQ(**LOQ 0.5)	$\mu g/m^3$	05
9.	Benzo(a)pyrene	VEL/EN/STP/157, Issue No.-01, 01/11/2023	*BLQ(**LOQ 0.5)	ng/m^3	01
10.	Ozone (O_3)	IS 5182 (P-9)	11.89	$\mu g/m^3$	180#
11.	Arsenic (As)	VEL/EN/STP/110, Issue No.-01, 01/11/2023	*BLQ(**LOQ 0.1)	ng/m^3	6
12.	Nickel (Ni)	IS 5182 (P-26)	*BLQ(**LOQ 5.0)	ng/m^3	20

@NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.
STP- Standard Testing Procedure and *BLQ- Below Limit of Quantification, **LOQ- Limit of Quantification.
Limits for Ozone & Carbon monoxide as per one hour sampling/monitoring

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(Reviewed By)

(Authorized Signatory)

Sr. No.	Vehicle Reg No	PUC Date	PUC Expiry Date
1	CG12AZ1116	06-09-2026	05-09-2027
2	CG12AZ1179	08-09-2026	07-09-2027
3	CG12AZ1224	08-09-2026	07-09-2027
4	CG12AZ2277	06-09-2026	05-09-2027
5	CG12AZ2448	06-09-2026	05-09-2027
6	CG12AZ2556	08-09-2026	07-09-2027
7	CG12AZ3339	06-09-2026	05-09-2027
8	CG12AZ3447	06-09-2026	05-09-2027
9	CG12AZ3888	06-09-2026	05-09-2027
10	CG12AZ6678	06-09-2026	05-09-2027
11	CG12BA5204	08-09-2026	07-09-2027
12	CG12BB1116	08-09-2026	07-09-2027
13	CG12BD2358	06-09-2026	05-09-2027
14	CG12BD2799	06-09-2026	05-09-2027
15	CG12BD2889	08-09-2026	07-09-2027
16	CG12BD3789	06-09-2026	05-09-2027
17	CG12BD3888	08-09-2026	07-09-2027
18	CG12BD4266	08-09-2026	07-09-2027
19	CG12BD5157	06-09-2026	05-09-2027
20	CG12BD5256	06-09-2026	05-09-2027
21	CG12BD6066	06-09-2026	05-09-2027
22	CG12BD7488	06-09-2026	05-09-2027
23	CG12BD8199	06-09-2026	05-09-2027
24	CG12BD8388	06-09-2026	05-09-2027
25	CG12BD9279	06-09-2026	05-09-2027
26	OD09Z0369	06-09-2026	05-09-2027

Vardan Envirolab LLP

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number : VEL/W/02

Name & Address of the Party : M/s Emil Mines & Mineral Resources Ltd.
Bandha Coal Mining Div (MDO), Bandha Coal Block, Village-Bandha, Tehsil-Bargawan, District-Singrauli, Madhya Pradesh Madhya Pradesh

Name of Sample : Surface Water
Sample Group : Water
Location : Bandha Nala Near Ujjaini
Sample Collected By : VEL Representative :- (Mr. Krishna)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS : 3025 & APHA

Report No. : VEL/W/2609170002
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 24/09/2026
Period of Analysis : 17/09/2026-24/09/2026
Receipt Date : 17/09/2026
Sampling Date : 14/09/2026
Sampling Quantity : 05 Ltrs.+250ml.
Sampling Type : Grab

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
1	pH (at 25°C)	IS 3025 (P-11)	7.38	--
2	Colour	IS 3025 (P-4)	BLQ(LOQ-1.0)	Hazen
3	Electrical Conductivity	IS 3025 (P-14)	284.3	µS/cm
4	Odour	IS 3025 (P-5)	Agreeable	--
5	Total Hardness(as CaCO3)	IS 3025 (P-21)	114.84	mg/L
6	Chloride (as Cl)	IS 3025 (P-32)	18.76	mg/L
7	Dissolved Oxygen (at 20° C)	IS:3025 (P-38)	6.6	mg/L
8	Ammonical Nitrogen as N	IS 3025 (P-34)	BLQ(LOQ-0.1)	mg/L
9	Total Dissolved Solids	IS 3025 (P-16)	182	mg/L
10	Sulphate (as SO4)	IS 3025 (P-24)	10.24	mg/L
11	Fluoride (as F)	APHA 4500 F D	0.21	mg/L
12	COD	IS:3025 (P-58)	BLQ(LOQ-2.0)	mg/L
13	BOD (3 Days at 27°C)	IS 3025(P-44)	BLQ(LOQ-1.0)	mg/L
14	Nitrate (as NO3)	IS 3025 (P-34)	5.26	mg/L
15	Lead (as Pb)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
16	Selenium (Se)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.001)	mg/L

Reviewed By

Authorized Signatory

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Test Report

Sample Number : VEL/W/02 Report No. : VEL/W/2609170002

S.No.	Test Parameters	Test Method	Results	Units
17	Iron (as Fe)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L
18	Arsenic (as As)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L
19	Phenolic Compounds (as C6H5OH)	IS:3025 Part-43	BLQ(LOQ-0.001)	mg/L
20	Phosphate (as Po4)	IS 3025 (P-31)	BLQ(LOQ-0.2)	mg/L
21	Carbonate as CO3	IS 3025 (P-51)	NIL	mg/L
22	Zinc (as Zn)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L
23	Copper (as Cu)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
24	Cadmium (as Cd)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
25	Turbidity	IS 3025 (P-10)	8.03	NTU
26	Calcium (as Ca)	IS 3025 (P-40)	24.60	mg/L
27	Alkalinity (as CaCO3)	IS 3025 (P-23)	132.60	mg/L
28	Magnesium (as Mg)	IS:3025 (P-46)	12.96	mg/L
29	Aluminium as Al	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	0.049	mg/L
30	Residual Free Chlorine	IS:3025 (P-26)	BLQ(LOQ-0.1)	mg/L
31	Total Suspended Solids at 105°C	IS: 3025 (P-17)	15.40	mg/L
32	Sodium (as Na)	IS 3025 (P-45)	19.46	mg/L
33	Potassium (as K)	IS 3025 (P-45)	6.68	mg/L
34	Manganese as Mn	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L

VARDAN ENVIROLAB LLP 24/09/26

Reviewed By

VARDAN ENVIROLAB LLP Dr. Shiv Prakash Singh General Manager Technical Authorized Signatory 24/09/26

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Test Report

Sample Number : VEL/W/02 Report No. : VEL/W/2609170002

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
37	Mercury (as Hg)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.0005)	mg/L
38	Nickel (as Ni)	VEL/W/STP/03,Issue No. - 01,Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L

BLQ- Below Limit of Quantification, LOQ- Limit of Quantification.

End of Report

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Test Report

Sample Number : VEL/W/02 **Report No.** : VEL/W/2609170002

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Biological				
35	Total Coliform	IS 15185:2016	Absent	Per 100ml
36	E.Coli	IS 15185:2016	Absent	Per 100ml

VARDAN ENVIROLAB LLP
Nitin Kumar Verma
Technical Manager
24/09/26

Reviewed By

VARDAN ENVIROLAB LLP
Dharmendra Kumar Dixit
Technical Manager
24/09/26

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Test Report

Sample Number:	**VEL/AP/26**	**Report No.:**	**VEL/AP/2609180026**
Name & Address of the Party:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**22/09/2026**
		Period of Analysis:	**18/09/2026 to 22/09/2026**
		Receipt Date:	**18/09/2026**

Sample Description: **Work Zone Noise Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Face Area**
Sampling Instrument Used	:	Sound Level Meter
Instrument Code	:	VEL/SLM/04
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Cloudy Sky
Date of Monitoring	:	**15/09/2026**
Time of Monitoring	:	**09:35 Hrs. to 17:35 Hrs.**
Surrounding Activity	:	Human & Other Activity
Scope of Monitoring	:	Regulatory Requirement
Control measure if Any	:	No
Sampling & Analysis Protocol	:	IS-9989 & CPCB Guideline
Sampling Duration	:	8 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameters	Test Method	Test Result	Unit	Limits as Per DGMS Circular No.18 of 1975
1.	L_{eq}	IS 9989	65.39	dB(A)	**85.00**

Note: *A "decibel" is a unit in which noise is measured.

End of Report

VARDAN ENVIROLAB LLP GURUGRAM

(Reviewed By)

VARDAN ENVIROLAB LLP Dr. Shiv Prakash Singh General Manager Technical Authorized Signatory

(Authorized Signatory)

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ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	**VEL/AP/28**	**Report No.:**	**VEL/AP/2609180028**
Name & Address of the Party:	**M/s Emil Mines & Mineral Resources Ltd. Bandha Coal Mining Div (MDO). Bandha Coal Block. Village- Bandha, Tehsil- Bargawan, District- Singrauli, Madhya Pradesh, India (486886).**	**Format No.:**	**7.8 F-03**
		Party Reference No.:	**1080/ENVIR/5020000013 & Dated 20.11.2025**
		Reporting Date:	**22/09/2026**
		Period of Analysis:	**18/09/2026 to 22/09/2026**
		Receipt Date:	**18/09/2026**

Sample Description: **Work Zone Noise Monitoring**

General Information:-

Sample Collected By	:	Vardan EnviroLab Representative
Sampling Location	:	**Haul Road**
Sampling Instrument Used	:	Sound Level Meter
Instrument Code	:	VEL/SLM/05
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Cloudy Sky
Date of Monitoring	:	**15/09/2026**
Time of Monitoring	:	**09:35 Hrs. to 17:35 Hrs.**
Surrounding Activity	:	Human & Other Activity
Scope of Monitoring	:	Regulatory Requirement
Control measure if Any	:	No
Sampling & Analysis Protocol	:	IS-9989 & CPCB Guideline
Sampling Duration	:	8 Hrs.
Parameter Required	:	As per Work Order

TEST RESULTS

S. No.	Parameters	Test Method	Test Result	Unit	Limits as Per DGMS Circular No.18 of 1975
1.	L_{eq}	IS 9989	61.42	dB(A)	**85.00**

Note: *A "decibel" is a unit in which noise is measured.

End of Report

(Reviewed By)

(Authorized Signatory)

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Dr. Shiv Prakash Singh
General Manager Technical
Authorized Signatory

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Annex -9

Jointly Illumination Survey Report

Date - 30/09/26

Persons Present:

1 - Bhabani Sankar Behera. 4 - Sumit Kumar
2 - Ankit Mohanty
3 - Abhaya Pradhan.

SL No	Location	Desired Lux as per DGMS	Achieved Lux	Remarks
1	OB face near excavator - 8,9	15 H / 25 V	a) 21H/43V b) 14H/28V c) 17H/33V	
2	OB face near PL-6 PL-7	15H/25V	a) 23H/45V b) 18H/41V c) 15H/28V	
3	OB face near PL-5	15H/25V	a) 22H/41V b) 19H/38V c) 13H/26V	
4	OB Haul Road from crossing point towards Dumping	10 H	a) 21 H c) 9 H e) 13 H g) 16 H b) 12.5 H d) 11 H f) 8 H h) 8.5 H	
5	OB haul road from face towards crossing point	10 H	a) 13 H d) 7 H g) 23 H b) 11 H e) 8 H h) 18 H c) 8 H (f) 9 H	MLT required at Low reading Area
6	Operator cabin Valvo-460 Volvo-500	50H	78H, 63H, 48H 51 H, 58H	
7	Parking Yard NSPL	50 H	48H 63H 61 H 42H	
8	Operator Cabin Grader-2	50H	a) 68 H b) 54 H	
9	Main OB Dump Area.	15H/15V	a) 13H/28V b) 14H/25V	
10			c) 21H/32V (d) 13/22V	
11	OB haul road from junction point to Main OB dump	10 H	a) 8 H d) 7 H b) 13 H e) 5 H c) 11 H	Lighting pole required along the haul road

(B.S. Behera)
SH (E&M).

Ankit Mohanty
SSH - (E2M)

Sumit Kr.
Assitant Manager

ENVIRONMENT POLICY

We, at Hindalco Industries Limited, operating across the process chain from mining to semi-fabricated products in non-ferrous metals, will strive to continually improve our environmental performance for sustainable operations and responsible growth globally, by integrating sound environmental systems & practices and Pollution Prevention approach.

To achieve this, we shall:

- Comply with all applicable legal, national, and international environmental requirements, and continually improve performance through a strengthened Environmental Management System.
- For Environmental KPIs, set measurable targets, continuously monitor progress, and assess environmental risks to effectively manage and mitigate impacts on the environment and society.
- Allocate sufficient resources such as organisational structure, technology and funds for implementation of the policy and for regular monitoring of performance.
- Adopt pollution prevention approach for all our processes; enhance material efficiency and achieve high productivity.
- Conserve key resources like (energy, water, raw materials, fuel) through efficient technologies, process improvements and conservation programs.
- Adopt energy-efficient and cleaner technologies aligned with techno-economic viability, regional needs, and growth plans.
- Promote waste minimization through prevention, reduction, reuse, recycling, recovery, and adopt circular economy practices.
- Align with TNFD recommendations by setting site-specific biodiversity targets that progress from No Net Loss[1] towards Net Positive Impact[2] by 2050.
- Collaborate and engage with employees, regulators, suppliers, contractors, customers, authorized business partners, communities, and other stakeholders to strengthen environmental practices, understand priorities, and address key challenges.
- Adapt environmental performance over life cycle as an important input to the decision-making processes in the organization.
- Raise environmental awareness on identifying and managing the environmental impacts for internal and external stakeholders through training, communication, participation and consultation
- Communicate this policy internally and externally, ensuring transparency on commitments and performance.
- Conduct environmental due diligence before undergoing any mergers and acquisitions.

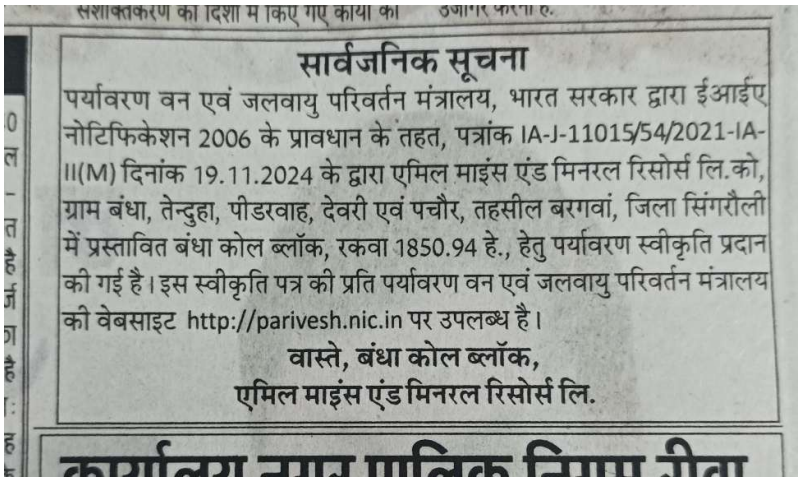
This policy shall be made available to all employees, suppliers, customers, authorized business partners, community and other stakeholders, as appropriate. The implementation of this policy is the responsibility of respective heads of units with the monitoring and tracking done by the Apex Sustainability Committee under the guidance of the Managing Director.

[1] *As defined in Hindalco Biodiversity Policy*

[2] *As defined in Hindalco Biodiversity Policy*

Annex – 11

News of Environmental Clearance Grant Published in News Papers



सशक्तीकरण की दिशा में किए गए कार्यों को उजागर करना है.

सार्वजनिक सूचना

पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार द्वारा ईआईए नोटिफिकेशन 2006 के प्रावधान के तहत, पत्रांक IA-J-11015/54/2021-IA-II(M) दिनांक 19.11.2024 के द्वारा एमिल माइंस एंड मिनरल रिसोर्स लि.को, ग्राम बंधा, तेन्दुहा, पीडरवाह, देवरी एवं पचौर, तहसील बरगवां, जिला सिंगरौली में प्रस्तावित बंधा कोल ब्लॉक, रकवा 1850.94 हे., हेतु पर्यावरण स्वीकृति प्रदान की गई है। इस स्वीकृति पत्र की प्रति पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय की वेबसाइट http://parivesh.nic.in पर उपलब्ध है।

वास्ते, बंधा कोल ब्लॉक,
एमिल माइंस एंड मिनरल रिसोर्स लि.

NAV BHARAT



सार्वजनिक सूचना

पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार द्वारा ईआईए नोटिफिकेशन 2006 के प्रावधान के तहत, पत्रांक IA-J-11015/54/2021-IA-II(M) दिनांक 19.11.2024 के द्वारा एमिल माइंस एंड मिनरल रिसोर्स लि. को, ग्राम बंधा, तेन्दुहा, पीडरवाह, देवरी एवं पचौर, तहसील बरगवां, जिला सिंगरौली में प्रस्तावित बंधा कोल ब्लॉक, रकवा 1850.94 हे., हेतु पर्यावरण स्वीकृति प्रदान की गई है इस स्वीकृति पत्र की प्रति पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय की वेबसाइट http://parivesh.nic.in पर उपलब्ध है।

वास्ते, बंधा कोल ब्लॉक,
एमिल माइंस एंड मिनरल रिसोर्स लि.

DAINIK BHASKAR

Annex -12

ADITYA BIRLA

EMMRL

सन्दर्भ: EMMRL/Bandha/EC/2025-26/ ७७

दिनांक: 13.05.2025

प्रति,

सरपंच, ग्राम पंचायत देवरी,

जिला सिंगरौली (म.प्र.)

विषय: पर्यावरण स्वीकृति की सूचना

सन्दर्भ: पत्रांक IA-J-11015/54/2021-IA-II(M) दिनांक 19.11.2024

महोदय,

उपरोक्त विषयान्तर्गत लेख है कि, में0 एमिल माइंस एंड मिनरल रिसोर्स लिमिटेड को ग्राम बंधा, तेन्दुहा, पीडरवाह, देवरी एवं पचौर, तहसील बरगवां, जिला सिंगरौली में प्रस्तावित बंधा कोल ब्लॉक, रकवा 1850.94 हे0, हेतु पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय द्वारा पर्यावरण स्वीकृति प्रदान की गई है, जिसकी प्रति सूचना पटल हेतु, संलग्न कर सादर प्रेषित है।

धन्यवाद

वास्ते एमिल माइंस एंड मिनरल रिसोर्स लिमिटेड

13/5/2025

प्राधिकृत हस्ताक्षरी

बंधा कोल ब्लॉक

संलग्नक: उपरोक्तानुसार

EMIL Mines And Mineral Resources Limited
Regd. Office: Industry House, 18th Floor, 10, Camac Street, Kolkata 700 017, India
CIN: U14290WB2020PLC236717 | T: +91 33 4455 5500 | F: +91 33 4455 5537
E: emmrl.registered@adityabirla.com

ADITYA BIRLA

EMMRL

सन्दर्भ: EMMRL/Bandha/EC/2025-26/78

दिनांक: 13.05.2025

प्रति,

सरपंच, ग्राम पंचायत पचौर,

जिला सिंगरौली (म.प्र.)

विषय: पर्यावरण स्वीकृति की सूचना

सन्दर्भ: पत्रांक IA-J-11015/54/2021-IA-II(M) दिनांक 19.11.2024

महोदय,

उपरोक्त विषयान्तर्गत लेख है कि, मेंo एमिल माइंस एंड मिनरल रिसोर्स लिमिटेड को ग्राम बंधा, तेन्दुहा, पीडरवाह, देवरी एवं पचौर, तहसील बरगवां, जिला सिंगरौली में प्रस्तावित बंधा कोल ब्लॉक, रकवा 1850.94 हेo, हेतु पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय द्वारा पर्यावरण स्वीकृति प्रदान की गई है, जिसकी प्रति सूचना पटल हेतु, संलग्न कर सादर प्रेषित है।

धन्यवाद

वास्ते एमिल माइंस एंड मिनरल रिसोर्स लिमिटेड

प्राधिकृत हस्ताक्षरी

बंधा कोल ब्लॉक

संलग्नक: उपरोक्तानुसार

ADITYA BIRLA

EMMRL

सन्दर्भ: EMMRL/Bandha/EC/2025-26/ 76

दिनांक: 13.05.2025

प्रति,

सरपंच, ग्राम पंचायत तेन्दुहा,

जिला सिंगरौली (म.प्र.)

विषय: पर्यावरण स्वीकृति की सूचना

सन्दर्भ: पत्रांक IA-J-11015/54/2021-IA-II(M) दिनांक 19.11.2024

महोदय,

उपरोक्त विषयान्तर्गत लेख है कि, मे0 एमिल माइंस एंड मिनरल रिसोर्स लिमिटेड को ग्राम बंधा, तेन्दुहा, पीडरवाह, देवरी एवं पचौर, तहसील बरगवां, जिला सिंगरौली में प्रस्तावित बंधा कोल ब्लॉक, रकवा 1850.94 हे0, हेतु पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय द्वारा पर्यावरण स्वीकृति प्रदान की गई है, जिसकी प्रति सूचना पटल हेतु, संलग्न कर सादर प्रेषित है।

धन्यवाद

वास्ते एमिल माइंस एंड मिनरल रिसोर्स लिमिटेड

13/5/2025

प्राधिकृत हस्ताक्षरी

बंधा कोल ब्लॉक

संलग्नक: उपरोक्तानुसार

1 प्रति प्राप्त किया

14/05/25

ADITYA BIRLA

EMMRL

सन्दर्भ: EMMRL/Bandha/EC/2025-26/ 74

दिनांक: 13.05.2025

प्रति,

सरपंच, ग्राम पंचायत बंधा,

जिला सिंगरौली (म.प्र.)

विषय: पर्यावरण स्वीकृति की सूचना

सन्दर्भ: पत्रांक IA-J-11015/54/2021-IA-II(M) दिनांक 19.11.2024

महोदय,

उपरोक्त विषयान्तर्गत लेख है कि, में0 एमिल माइंस एंड मिनरल रिसोर्स लिमिटेड को ग्राम बंधा, तेन्दुहा, पीडरवाह, देवरी एवं पचौर, तहसील बरगवां, जिला सिंगरौली में प्रस्तावित बंधा कोल ब्लॉक, रकवा 1850.94 हे0, हेतु पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय द्वारा पर्यावरण स्वीकृति प्रदान की गई है, जिसकी प्रति सूचना पटल हेतु, संलग्न कर सादर प्रेषित है।

धन्यवाद

वास्ते एमिल माइंस एंड मिनरल रिसोर्स लिमिटेड

प्राधिकृत हस्ताक्षरी

बंधा कोल ब्लॉक

संलग्नक: उपरोक्तानुसार

प्रति प्राप्त किया

सचिव

ग्राम पंचायत बंधा

13.05.25

ज0 प0 बैढन

जि0-सिंगरौली (म0प्र0)

ADITYA BIRLA

EMMRL

Ref: EMMRL/Bandha/EC/2025-26/ 80

Date: 13.05.2025

To,

The Tahsildar,

Tehsil Office, Bargawan, District - Singrauli

Sub: Grant of Environmental Clearance Reg.

Ref: IA-J-11015/54/2021-IA-II(M) Dated 19.11.2024

Dear Sir,

With reference to subject matter referred as above, we would like to submit that M/s Emil Mines and Mineral Resources Limited has been awarded the Environmental Clearance from the Ministry of Environment, Forest and Climate Change (MoEFCC) for their proposed Bandha Coal Block (Area 1850.94 Ha), at Villages Bandha, Tenduha, Pidarwah, Deori, and Pachaur, Tehsil Bargawan, District Singrauli.

A copy of the environmental clearance document is enclosed herewith for your reference and display at notice board.

Thanking You
Yours Sincerely

For EMIL Mines & Mineral Resources Limited

13/5/2025

Authorized Signatory
Bandha Coal Block

Encl: As Above

EMIL Mines And Mineral Resources Limited
Regd. Office: Industry House, 18th Floor, 10, Camac Street, Kolkata 700 017, India
CIN: U14290WB2020PLC236717 | T: +91 33 4455 5500 | F: +91 33 4455 5537
E: emmrl.registered@adityabirla.com