

JKC/MGRL/ENV/2025-26/S.No

Date: 19.05.2025

To,

**The Integrated Regional Office (IRO),**

Ministry of Environment, Forest and Climate Change (MoEFCC)

A-209&amp;218, 'Aranya Bhawan

Mahatma Gandhi Road

Jhalana Institutional Area, Jaipur (Raj.) – 304002

**Sub:** Submission of Six- monthly Environment Clearance Compliance report of J.K. Cement Works, Mangrol, Tilakhera Limestone Mine (M.L. No. 07/97, ML area 299.20 Ha.)

Ref.: EC Letter no.- J-11015/25/2011-IA.II(M) dated 3<sup>rd</sup> March 2021

Dear Sir,

Please be Informed that with reference to the above subject, we **J.K.Cement works, Mangrol Tilakhera** located at Village Mangrol, Tehsil Nimbahera, District Chittorgarh, State Rajasthan here with submit the Six-Monthly environmental clearance condition wise compliance report for the period of **October 2024- March 2025** for **Tilakhera Limestone mine** to your good office

As per MoEF & CC notification no. S.O. 5845 (E) 26.11.2018 the soft copy of same has been sent through email to [iro.jaipur-mefcc@gov.in](mailto:iro.jaipur-mefcc@gov.in), [cpm.rpcb@gmail.com](mailto:cpm.rpcb@gmail.com) & [ro.chittorgarh@gmail.com](mailto:ro.chittorgarh@gmail.com).

This is for your information and records purpose.

Thanking you.

Your faithfully

For J.K. Cement Works, Mangrol

  
Manish Toshniwal

Unit Head (Operations)

**Encl: Environment Clearance Condition wise compliance report for the period of October 2024 to March 2025.**

Copy to:

1. The Regional Director, Central Pollution Control Board, Parvyavaran Parisar, E-5, Area colony, Bhopal (M.P) 462016
2. The Member Secretary, Rajasthan State Pollution Control Board, Head office- Jaipur.
3. The Regional Officer- Rajasthan State Pollution Control Board, District- Chittorgarh (Raj.)

## Corporate Office

- Prism Tower, 6th Floor, Ninaniya Estate,  
Gwal Pahari, Gurugram - 122102, Haryana  
0124-6919000  
admin.padamtower@jkcement.com  
www.jkcement.com

**JK SUPER  
CEMENT**  
BUILD SAFE

Manufacturing Units at :

Nimbahera, Mangrol, Gotan (Rajasthan) | Muddapur (Karnataka)  
Jharli (Haryana) | Katni (M.P.) | Aligarh (U.P.) | Balasinor (Gujarat)**JK CEMENT  
WallMaxX**  
White Cement Wall Putty

**Form for Uploading Six Monthly Compliance Report**

**Proposal Details**

<b>Proposal No.</b>	IA/RJ/MIN/181062/ 2018	<b>Project Name</b>	Proposal for Environmental Clearance (EC) of Mangrol-Tilakhera Limestone Mine with expansion from 1.6 million TPA [ROM] to 2.4 million TPA [ROM] Total Excavation (Limestone - 1.80 million TPA + Mineral Rejects - 0.55 million TPA + Interstitial clay - 0.04 million TPA + Soil - 0.01 million TPA) in the mine lease area of 299.20 ha. located at Village - Mangrol and Tilakhera, Tehsil - Nimbahera, District- Chittorgarh, Rajasthan by M/s. J.K. Cement Limited.
<b>Category</b>	A	<b>MoEF File No.</b>	J-11015/25/2011-IA. II (M) dated 03rd March, 2021
<b>Name of the Entity /Corporate Office*</b>	M/s. J.K. Cement Kamla Tower, Kanpur-208001 Uttar Pradesh		
<b>Entity's PAN*</b>	AABCJ0355R		
<b>Entity Name as per PAN</b>	J K CEMENT LIMITED.		

**Compliance Letter/Report**

<b>Reporting Year*</b>	2025	<b>Reporting Period*</b>	October 2024 to March 2025
<b>Remarks (if any)</b>	Submitting herewith the Six-Monthly EC Compliance Report for the period: <b>October 2024 to March 2025</b> of Mangrol-Tilakhera Limestone Mine with expansion from 1.6 million TPA [ROM] to 2.4 million TPA [ROM] Total Excavation (Limestone - 1.80 million TPA + Mineral Rejects - 0.55 million TPA + Interstitial clay - 0.04 million TPA + Soil - 0.01 million TPA) in the mine lease area of 299.20 ha. located at Village - Mangrol and Tilakhera, Tehsil - Nimbahera, District- Chittorgarh, Rajasthan by M/s. J.K. Cement Limited.		

**Details of Production and Project Area**

<b>Date of Commencement of Project /Activity: *</b>	07/05/1979	<b>Project Area as Per EC Granted (In Case of Mine Lease): *</b>	299.20 Ha.
<b>Actual Project Area (In Case of Mine Lease): *</b>	299.20 Ha.		

**PRODUCTION CAPACITY**

<b>Name of the Product*</b>	<b>Units*</b>	<b>As per EC granted*</b>	<b>Production during FY: 2023-24*</b>	<b>Production during FY*: 2023-24</b>
Cement Grade Limestone	Million TPA	1.80	1.4954	1.2591

<b>Subgrade Limestone</b>	Million TPA	0.55	0.3734	0.1591
<b>Interstitial Clay/ Screen rejects/ Waste</b>	Million TPA	0.04	0.0395	0.0000
<b>Topsoil</b>	Million TPA	0.01	0.0098	0.0000
<b>Total Excavation Quantity</b>	<b>Million TPA</b>	<b>2.40</b>	<b>1.9181</b>	<b>1.41827365</b>

**Mangrol-Tilakhera Limestone Mine (M.L. No.: 07/97, ML Area: 299.20 ha.)  
at Village - Mangrol and Tilakhera, Tehsil - Nimbahera, District- Chittorgarh, Rajasthan-312617 by M/s. J.K. Cement Limited**

**EC Compliance Report: October 2024 to March 2025**

**Proposal for Environmental Clearance (EC) of Mangrol-Tilakhera Limestone Mine with expansion from 1.6 million TPA [ROM] to 2.4 million TPA [ROM] Total Excavation (Limestone - 1.80 million TPA + Mineral Rejects - 0.55 million TPA + Interstitial clay - 0.04 million TPA + Soil - 0.01 million TPA) in the mine lease area of 299.20 ha. located at Village - Mangrol and Tilakhera, Tehsil - Nimbahera, District- Chittorgarh, Rajasthan by M/s. J.K. Cement Limited.**

**Environment Clearance vide No.: J-11015/36/ 2019-IA. II (M), dated 19/08/2021**

<b>A</b>					
<b>SPECIFIC CONDITION</b>					
<b>S. No</b>	<b>Condition Type</b>	<b>Environmental Parameter</b>	<b>Description of Condition</b>	<b>Self-Declaration</b>	<b>Remarks/Reason</b>
<b>1</b>	Specific Condition	Statutory compliance	The project proponent shall submit an undertaking that gap plantation will be completed in balance 1.72 ha by September 2021 using tall saplings of 5-6 feet as per the guidelines of the ministry.	Complied	Total Plantation existing currently is 75035 no's over an area of 27.135 Ha.
<b>2</b>	Specific Condition	Biodiversity	The project proponent shall spend Rs. 25 lakhs for creating water resources or water harvesting structures to benefit the wildlife.	Complied	The WCLP has been referred by DFO Chittorgarh to the Chief Conservation Officer of the Forest Department. 20 percent of Rs 57.07 lakh will be paid to DFO Chittorgarh against the WCP total of 285.30 Cr in July 2021. The fund allotted for wildlife conversation plan includes fund for water resources and water harvesting also to benefit the wildlife.

3	Specific Condition	Biodiversity	The project proponent shall review annually the efficacy of conservation plan and shall submit the progress report to ministry as directed.	Complied	After approval of Wildlife Conservation Plan, an implementation status report is submitted.
4	Specific Condition	Statutory Compliance	PP shall establish the environment management cell separately for the mine & engage sufficient number of qualified staff for the implementation of EC conditions & other statutory requirements	Complied	A separate environmental management cell separately for the mine has been established with qualified personnel for the implementation of EC conditions and other statutory requirements.
5	Specific Condition	Statutory Compliance	PP to ensure that the necessary EMP should be implemented & monitored properly to ensure better compliance of the said conservation measures.	Complied	EMP has been implemented and proper compliance of conservation measures done.
6	Specific Condition	Human Health Environment	Regular surveillance on Silicosis shall be carried through regular occupational health check-up of 1/3 of the persons every year.	Complied	Preplacement medical examination of the workers engaged is carried out and record is being maintained.
7	Specific Condition	Statutory Compliance	This environmental clearance is subject to orders / judgement of Hon'ble supreme court of India, Hon'ble high court, Hon'ble NGT and any other court of law, common cause conditions as may be applicable	Agreed	We are bound to the conditions and abide by law
8	Specific Condition	Statutory Compliance	The project proponent complies with all statutory requirements and judgement of Hon'ble supreme court dated 2nd august 2017 in writ petition(civil) no.114 of 2014 in matter of common causes versus union of India & Ors before commencing the mining operations.	Agree	Certificate issued by Mining Department regarding the "No Dues "of compensation levied. NOC letter submitted along with Compliance report on 25.05.2022
9	Specific Condition	Statutory Compliance	The state government concerned shall ensure that mining operation shall not be commenced till the entire compensation levied if any for illegal mining paid by the project proponent through their respective department of mining & geology in strict compliance of judgement of Hon'ble supreme court dated 2nd August 2017 in writ petition civil no-114 of 2014 in matter of common cause versus union of India & Ors.	Agree	A certificate issued by the Ministry of Mines confirming that the No Dues "of compensation Levied". NOC letter and compliance report filed on 25 May 2022
10	Specific Condition	Statutory Compliance	The project proponent shall follow the mitigation measures provided in MoEF&CC office memorandum No. Z-11013/57/2014-IIA. IIM), dated 29th October 2014 titled "Impact of mining activities on Habitations -	Complied	All the mitigation measures are followed as per MoEF&CC office memorandum No. Z-11013/57/2014-IIA. IIM dated 29 <sup>th</sup> October 2014.

			issues related to the mining projects where in Habitations and villages are the part of mine lease area"		Garland drain, Siltation Pond are facilitated. Rainwater collected in mine pit is being supplied to the villagers during the lean period. Control blasting implemented.
11	Specific Condition	Statutory Compliance	A copy of EC letter will be marked to concerned Panchayat / local NGO etc if any, from whom suggestion / representation has been received while processing the proposal.	Complied	A copy of EC has been submitted at concern panchayat, Zila Parishad, DIC office, District Collector, SDM office vide letter no. MGR/PC/A/11/748 on 04.03.2021.
12	Specific Condition	Statutory Compliance	State pollution control board/committee shall be responsible for display of this EC letter at its regional office, District industries center and collector office / Tehsildar's office for 30 days.	Complied	This condition is complied
13	Specific Condition	Statutory Compliance	The project authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and a copy of the EC letter is available with the state pollution control board / committee and web site of the ministry of environment, forest, and climate change. A copy of the advertisement may be forwarded to the concerned MoEF&CC regional office for compliance and record.	Complied	After grant of EC, advertisement of the same was published in two widely circulated local newspapers i.e., Dainik Bhasker & Rajasthan Patrika on 06.03.2021.
14	Specific Condition	Statutory Compliance	The project proponent shall inform the MoEF&CC for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred than mining operation shall only be carried out after transfer of EC as per provisions of the para 11 of EIA notification, 2006 as amended from time to time.	Agree	Currently, there is no transfer or change in ownership of mining lease. However, in future if any changes will be proposed a prior transfer EC will be obtained for the same.
15	Specific Condition	Air Quality Monitoring & Preservation	The project proponent shall install a minimum 3 online ambient air quality monitoring stations with one in upwind and 2 in downwind direction based on long term climatological data about wind direction such that an angle of 120° is made between the monitoring	Complied	3 online ambient air quality monitoring stations are currently present in and around the mine lease area and data is being digitally displayed in front of the main gate

			locations to monitor critical parameters relevant for mining operations of air pollution viz. PM10, PM2.5 NO2,CO, & SO2 etc. as per the methodology mentioned in NAAQS notification No. B-29016/20/90PCI/I, dated 18.11.2009 covering the aspects of transportation and use of heavy machinery in the impact zone the ambient air quality shall also be monitored at prominent places like office building, canteen etc. as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in front of the main gate of the mine site.		Locations of 3 CAAQMS Near mining office Towards Tilakhera Mine Towards Sahabad village etc. CAAQMS connection is established with RSPCB, and a connection request is made to CPCB.												
16	Specific Condition	Air Quality Monitoring & Preservation	Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metalled road construction etc.) shall be carried out in areas prone to air pollution where in high levels of PM10 and PM 2.5 are evident such as haul road, loading and unloading point and transfer points the fugitive dust emissions from all sources shall be regularly controlled by installation of required equipment's/ machineries and preventive maintenance. Use of suitable water-soluble chemical dust suppressing agents may be explored for better effectiveness of the dust control system; it shall be ensured that air pollution levels conform to the standards prescribed by the MoEF&CC/ central pollution Board.	Complied	Regular water sprinkling is being done on loading, unloading point, transfer point & haul roads to prevent air borne dust. Wet drilling & control blasting system implemented. AAQ, fugitive emission monitoring report for the period: October 2024 to March 2025 is enclosed as <b><u>Annexure-</u></b>												
17	Specific Condition	Water Quality Monitoring & Preservation	In case, immediate mining scheme envisages intersection of ground water table then environmental clearance shall become operational only after receiving formal clearance from GGWA. Increase mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEF&CC is in place before such mining operations. The permission for intersection of	Agree	Currently there is no interaction of ground water level due to mining activities. In future if operation will involve intersection of ground water table prior <table><tr><th>S. No.</th><th>Particulars</th><th>Levels (MSL)</th><th>BGL (m)</th></tr><tr><td>1.</td><td>Highest Elevation</td><td>427</td><td>-</td></tr><tr><td>2.</td><td>Lowest Elevation</td><td>438</td><td>-</td></tr></table>	S. No.	Particulars	Levels (MSL)	BGL (m)	1.	Highest Elevation	427	-	2.	Lowest Elevation	438	-
S. No.	Particulars	Levels (MSL)	BGL (m)														
1.	Highest Elevation	427	-														
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			ground water table shall essentially be based on detailed hydro-geological study of the area.		<table><tr><td>3.</td><td>General Ground Level</td><td>430</td><td>-</td></tr><tr><td>4.</td><td>Water Table (Pre-Monsoon)</td><td>367</td><td>60</td></tr><tr><td>5.</td><td>Water Table (Post-Monsoon)</td><td>397</td><td>33</td></tr><tr><td>6.</td><td>Ultimate Pit Limit</td><td>374</td><td>56</td></tr><tr><td>7.</td><td>Present working depth pit 1</td><td>437-394.5</td><td>0-42.50</td></tr><tr><td>8.</td><td>Present working depth pit 2</td><td>436-405.7</td><td>0-30.23</td></tr><tr><td>9.</td><td>To be added</td><td></td><td></td></tr></table> <b>Source:</b> - As per approved Modified Mining Plan with PMCP dated 03.01.2019.	3.	General Ground Level	430	-	4.	Water Table (Pre-Monsoon)	367	60	5.	Water Table (Post-Monsoon)	397	33	6.	Ultimate Pit Limit	374	56	7.	Present working depth pit 1	437-394.5	0-42.50	8.	Present working depth pit 2	436-405.7	0-30.23	9.	To be added		
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18	Specific Condition	Water Quality Monitoring & Preservation	Project proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in and around the mine lease by establishing a network of existing's wells as well as new piezo meter installations during the mining operation in consultation with central ground water authority / state ground water department. the report on changes in ground water level and quality shall be submitted on six-month basis to the regional office of the ministry CGWA and state ground water department / state pollution control board.	Complied	As per mining plan, groundwater values are measured in the network of existing wells. Three piezo holes for periodical and one DWLR with a telemetry system for online monitoring of groundwater levels are already installed.																												
19	Specific Condition	Water Quality Monitoring & Preservation	The parameters to be monitored shall include their water quality vis-à-vis suitability for usage as per CPCB criteria and flow rate. it shall be ensured that no obstruction and /or alteration be made to water bodies during mining operation without justification and prior approval of MoEF&CC. The monitoring of water courses / bodies existing in the lease area shall be carried out four times in a year viz. Pre-monsoon (April-May), Monsoon (august), Post monsoon {November} and Winter (January) and the record of monitored data may he sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office.	Not Applicable	There are no water courses/ water bodies existing in the lease area. However, we are monitoring the water quality & analysis reports for post-monsoon & winter Seasons are enclosed as annexure																												

			Central Ground Water Authority and Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six-monthly basis.		
<b>20</b>	Specific Condition	Water Quality Monitoring & Preservation	Quality of polluted water generated from mining operations which include Chemical Oxygen demand (COD) in mines run-off; acid mine drainage and metal contamination in run-off shall be monitored along with Total Suspended Solids (TDS), Dissolved Oxygen (DO), pH and Total Suspended Solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable Location near the main gate of the Company. The circular No. J-20012/1/2006-IA. II {M} dated 27.05.2009 Issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.	Complied	As per the said MOEFCC notification, Mine Key parameter data has been uploaded at <a href="http://www.jkcement.com">www.jkcement.com</a> as well as displayed at mines office.
<b>21</b>	Specific Condition	Water Quality Monitoring & Preservation	Project proponent shall plan, develop, and implement rainwater harvesting measured on a long-term basis to augment ground water resources in the area in consultation with central ground water board / state ground water department. A report on amount of water recharged needs to be submitted to regional office MoEF&CC annually.	Complied	Rainwater harvesting is done through mine pit, water stored in lower most benches and one recharge well has constructed.



**Rain Water Harvesting through Mine Pit-1 (North Pit).**

**Rain Water Harvesting through Mine Pit-2 (South Pit)**


22	Specific Condition	Water Quality Monitoring & Preservation	Industrial wastewater (workshop and wastewater from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through consent to operate (CTO) issued by concerned state pollution control board (SPCB) the workshop effluent shall be treated after this initial passage through oil and grease tap.	Not Applicable	No wastewater is discharged.
23	Specific Condition	Water Quality Monitoring & Preservation	The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the regional office of the MoEF&CC and state pollution Board/committee.	Complied	Water audit has been carried out by NPCC, New Delhi and same has been submitted to concerned authorities along with last EC Compliance Report on 25.05.2023
24	Specific Condition	Noise, Vibration Monitoring & Preservation	The peak particle velocity at 500 m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.	Complied	We are under limit. The Peak particle velocity report is ANNEXED

25	Specific Condition	Noise, Vibration Monitoring & Preservation	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed, by orienting the floodlights /masks away from the villages and keeping the noise levels well within the prescribed limits day/night hours.	Complied	Blasting operation is being carried out in daytime only. The illumination and Noise level is being monitored and results are well within the limit																		
26	Specific Condition	Noise, Vibration Monitoring & Preservation	The project proponent shall take measures for control of noise levels below 85 dBA in the work environment the workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs. All personnel including labours working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. the PP shall be held responsible in case it has been found that workers/ personals / labours are working without personal protective equipment.	Complied	Onsite tool talk is being provided on daily basis and periodical training given to all employee & workmen. Workers engaged in operation of HEMM etc. are provided with ear plugs.																		
27	Specific Condition	Mining Plan	The project proponent shall adhere to approved mining plan, inter alia including, total excavation (quantum of mineral, waste , over burden, inter burden and top soil etc.) mining technology lease area scope of working (method of mining, overburden & dump management, OB & dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land use of the mine lease area at various stages of mining scheme as well as at the end of life; etc.)	Complied	<table><tr><th>Name of the Product*</th><th>Units*</th><th>Production during FY*: 2024-25</th></tr><tr><td>Cement Grade Limestone</td><td>Million TPA</td><td>1.2591</td></tr><tr><td>Subgrade Limestone</td><td>Million TPA</td><td>0.1591</td></tr><tr><td>Interstitial Clay/ Screen rejects/ Waste</td><td>Million TPA</td><td>0.0000</td></tr><tr><td>Topsoil</td><td>Million TPA</td><td>0.0000</td></tr><tr><td>Total Excavation Quantity</td><td>Million TPA</td><td>1.418273 65</td></tr></table>	Name of the Product*	Units*	Production during FY*: 2024-25	Cement Grade Limestone	Million TPA	1.2591	Subgrade Limestone	Million TPA	0.1591	Interstitial Clay/ Screen rejects/ Waste	Million TPA	0.0000	Topsoil	Million TPA	0.0000	Total Excavation Quantity	Million TPA	1.418273 65
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28	Specific Condition	Land Reclamation	The shall be governed as per the approved mining plan. The excavation vis-à-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes self-sustaining. the compliance status shall be submitted half-yearly to the MoEF&CC and its concerned regional office.	Noted for Compliance	In the approved Mining Plan, no back filling is proposed. At the end of life of mine, excavated area will be converted into water reservoir which will work as rain water harvesting structure and same can be utilized for various purposes.
29	Specific Condition	Land Reclamation	The overburden (OB) waste and topsoil generated during the mining operations shall be stacked at earmarked OB dump sites(s) only and it should not be kept active for a long period of time. The physical parameters of the OB/waste dumps/topsoil dump like height, width and angle of slope shall be governed as per the approved mining plan and the guideline/ circulars issued by D.G.M.S. the topsoil shall be used for land reclamation and plantation.	Noted for Compliance	Topsoil is being used for the plantation purpose. Excavated area will be used as water reservoir in 52.879 ha. at conceptual stage, no backfilling is proposed.
30	Specific Condition	Land Reclamation	The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope stability prevent erosion and surface run-off. The selection of local species regulates local climatic parameters and help in adaption of plant species to the microclimate. the gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps. the dump mass should be consolidated with the help of dozer / compactors there by ensuring proper filling / levelling of dump mass. in critical areas use of geo textiles/ geo membranes /clay liners / bentonite etc. shall be undertaken for stabilization of the dump.	Noted for Compliance	Presently OB dumps are active, vegetation and geo textile will be done after the dumps are inactive or dead. Garland drains with siltation pond has been provided all around the dump.

31	Specific Condition	Land Reclamation	Catch drains settling tanks and siltation ponds of appropriate size shall be constructed around the mine working minerals yards and topsoil/OB waste dumps to prevent run off water and flow of sediments directly into the water bodies (Nallahs/river/pond etc.) the collected water should be utilized for watering the mine area roads green belt development plantation etc. The drains sedimentation sumps etc. shall be de-silted regularly, particularly after monsoon seasons and maintained properly.	Complied	<p>To collect run off water from subgrade dump and waste dump, garland drain &amp; siltation pit has been constructed.</p> <p>Siltation Pond is being cleaned every year before monsoon.</p> <p>To collect run off water from subgrade dump and waste dump, garland drain &amp; siltation pit has been constructed. Details are given below: -</p> <table><tr><th>Garland Drain</th><th>Dimensions</th></tr><tr><td>East of Subgrade and waste dump</td><td>Length - 1015m Width - 1.0m Depth - 1.0 m</td></tr></table>	Garland Drain	Dimensions	East of Subgrade and waste dump	Length - 1015m Width - 1.0m Depth - 1.0 m																					
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32	Specific Condition	Land Reclamation	Checks dams of appropriate size gradient and length shall be constructed around mine pit and OB dumps to prevent storm runoff and sediment flow into adjoining water bodies. A safety margin of 50 % shall be kept for designing of sump structures over and above peak rainfall (based on 50 years data) and maximum discharge in the mine and its adjoining area which shall also help in providing retention period thereby allowing proper settling of sediments/silt material the sedimentation pits/ sumps shall be constructed at the corners of the garland drains.		<p>Total available rainwater in single day (considering maximum 50 mm rainfall): -</p> <p>Subgrade dump &amp; waste dump (area) X Rainfall (m) X Runoff Coefficient (20%): 218030 m<sup>2</sup> X 0.05 m X 0.20 = 2180.30 m<sup>3</sup> and considering 50% safety margin then total capacity of siltation pond is 4360.6 m<sup>3</sup>.</p> <p>Total rain water collection capacity of siltation pit requires = 4360.6 m<sup>3</sup> .</p> <p>Constructed three siltation pits with dimension as given below: -</p> <table><tr><th>S. No.</th><th>Length (M)</th><th>Width (M)</th><th>Depth (M)</th><th>Capacity (M<sup>3</sup>)</th></tr><tr><td>1</td><td>19</td><td>18</td><td>3</td><td>1026</td></tr><tr><td>2.</td><td>22</td><td>20</td><td>3</td><td>1320</td></tr><tr><td>3.</td><td>27</td><td>25</td><td>3</td><td>2025</td></tr><tr><td colspan="4">Total Capacity (m<sup>3</sup>)</td><td>4371</td></tr></table> <p>The storm water is being collected to garland drain from the periphery of the subgrade and the waste dump area routed to siltation pond.</p>	S. No.	Length (M)	Width (M)	Depth (M)	Capacity (M <sup>3</sup> )	1	19	18	3	1026	2.	22	20	3	1320	3.	27	25	3	2025	Total Capacity (m <sup>3</sup> )				4371
S. No.	Length (M)	Width (M)	Depth (M)	Capacity (M <sup>3</sup> )																										
1	19	18	3	1026																										
2.	22	20	3	1320																										
3.	27	25	3	2025																										
Total Capacity (m <sup>3</sup> )				4371																										

33	Specific Condition	Transportation	No transportation of the minerals shall be allowed in case of roads passing through villagers/habitations The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. vehicular emissions shall be kept under control and regularly monitored. project should obtain pollution under control (PUC) certificate for all the vehicles from authorized pollution testing centres [if applicable in case of road transport	Complied	Mineral is being transported by own CC road. Periodical vehicle emission monitoring is being carried out. Periodical vehicle emission monitoring is being carried out. Please find list of PUC certificates.																																																																																				
					<table><tr><th colspan="4">Mangrol Tilakhera Limestone Mines</th></tr><tr><th colspan="4">PUC details</th></tr><tr><th>S N</th><th>Vehicle No.</th><th>PUC No.</th><th>Validity</th></tr><tr><td>1</td><td>RJ09GD1578</td><td>RJ02100020003610</td><td>26.05.2025</td></tr><tr><td>2</td><td>RJ09GC8247</td><td>RJ02100020003611</td><td>26.05.2025</td></tr><tr><td>3</td><td>RJ09GD3560</td><td>RJ02100020003613</td><td>26.05.2025</td></tr><tr><td>4</td><td>RJ09GB9928</td><td>RJ05900660002016</td><td>30.04.2025</td></tr><tr><td>5</td><td>RJ09GC0028</td><td>RJ05900660002005</td><td>30.04.2025</td></tr><tr><td>6</td><td>RJ09GC0128</td><td>RJ05900660002009</td><td>30.04.2025</td></tr><tr><td>7</td><td>RJ09GC9152</td><td>RJ05900660001990</td><td>30.04.2025</td></tr><tr><td>8</td><td>RJ09GC9153</td><td>RJ05900660001986</td><td>30.04.2025</td></tr><tr><td>9</td><td>RJ09GC9155</td><td>RJ05900660002008</td><td>30.04.2025</td></tr><tr><td>10</td><td>RJ09GC9156</td><td>RJ05900660001991</td><td>30.04.2025</td></tr><tr><td>11</td><td>RJ09GC9198</td><td>RJ05900660002032</td><td>30.04.2025</td></tr><tr><td>12</td><td>RJ09GD0894</td><td>RJ05900660001987</td><td>30.04.2025</td></tr><tr><td>13</td><td>RJ09GD0895</td><td>RJ05900660002006</td><td>30.04.2025</td></tr><tr><td>14</td><td>RJ09GD0896</td><td>RJ05900660002031</td><td>30.04.2025</td></tr><tr><td>15</td><td>RJ09GD1928</td><td>RJ05900660002017</td><td>30.04.2025</td></tr><tr><td>16</td><td>RJ09GD1931</td><td>RJ05900660002013</td><td>30.04.2025</td></tr><tr><td>17</td><td>RJ09GD2428</td><td>RJ05900660001989</td><td>30.04.2025</td></tr><tr><td>18</td><td>RJ09GC0228</td><td>RJ05900660002007</td><td>30.04.2025</td></tr></table>	Mangrol Tilakhera Limestone Mines				PUC details				S N	Vehicle No.	PUC No.	Validity	1	RJ09GD1578	RJ02100020003610	26.05.2025	2	RJ09GC8247	RJ02100020003611	26.05.2025	3	RJ09GD3560	RJ02100020003613	26.05.2025	4	RJ09GB9928	RJ05900660002016	30.04.2025	5	RJ09GC0028	RJ05900660002005	30.04.2025	6	RJ09GC0128	RJ05900660002009	30.04.2025	7	RJ09GC9152	RJ05900660001990	30.04.2025	8	RJ09GC9153	RJ05900660001986	30.04.2025	9	RJ09GC9155	RJ05900660002008	30.04.2025	10	RJ09GC9156	RJ05900660001991	30.04.2025	11	RJ09GC9198	RJ05900660002032	30.04.2025	12	RJ09GD0894	RJ05900660001987	30.04.2025	13	RJ09GD0895	RJ05900660002006	30.04.2025	14	RJ09GD0896	RJ05900660002031	30.04.2025	15	RJ09GD1928	RJ05900660002017	30.04.2025	16	RJ09GD1931	RJ05900660002013	30.04.2025	17	RJ09GD2428	RJ05900660001989	30.04.2025	18	RJ09GC0228	RJ05900660002007	30.04.2025
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34	Specific Condition	Transportation	The main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provide with dust suppression arrangements the air pollution control equipment's like bag filter, vacuum suction hoods, dry fogging system etc. shall be installed at crusher belt-conveyors and other areas prone to air pollution. the belt transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.	Complied	Tanker-mounted water sprinkling system has provided for control of fugitive dust emission.
35	Specific Condition	Green Belt Development	The project proponent shall develop greenbelt in 7.5 m wide safety zone all along the mine lease boundary as per the guidelines of CPCB to arrest pollution emanating from mining operations within the lease. the whole green belt shall be developed with in first 5 years starting from windward side of the active mining area. The development of greenbelt shall be governed as per the EC granted by the ministry irrespective of the stipulation made in approved mine plan.	Complied	Total Plantation existing currently is 75035 no's over an area of 27.135 Ha.
36	Specific Condition	Green Belt Development	The project proponent shall carryout plantation/afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the state forest department /agriculture department/rural development department / tribal welfare department/gram panchayat such that only those species be selected which are of use to the local people. the CPCB guidelines in this respect shall also be adhered the density of the trees should be around 2500 saplings per hectare. adequate budgetary shall be made for protection and care of tress.	Noted for Compliance	There is no back filling proposed. At the end of life of mine total excavated area will be converted into water reservoir. Currently 75035 no. of plantation exist inside the mine lease area over an area of 27.135 Ha. Apart from this 53592 no. of trees are existing outside the lease area over 5 Ha.
37	Specific Condition	Green Belt Development	The project proponent shall make necessary alternative arrangement for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease the development of such grazing land	Noted for Compliance	Till date no grazing land was required for any mining activities



			shall be done in consultation with the state government. in this regard project proponent should essentially implement the directions of the Hon'ble supreme court with regard to acquisition of grazing land. the sparse trees on such grazing ground which provide mid-day shelter from the scorching sun, should be scrupulously guarded/ protected against felling and plantation of such trees should be promoted.		
39	Specific Condition	Public Hearing	Project proponent shall make provisions for the housing for workers/labours or shall construct labours camps within/ outside (company owned land) with necessary basic infrastructure / facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care crèche for kids etc. the housing may be provided in the form of temporary structured which can be removed after the completion of the project related infrastructures. the domestic waste should be treated with STP in order to avoid contamination of underground water	Complied	This is mining project and no construction work is involved. Also, most of the labors working are of nearby places and hence no housing facilities are required.
40	Specific Condition	Corporate Environment Responsibility	The Project proponent shall submit the time-bound action plan to the concerned regional; office of the ministry within 6 months from the date of issuance of environmental clearance for undertaking the activities committed during public consultation by the project proponent and as discussed by the EAC, in terms of the provisions of the MoEF & CC office memorandum No.22/65/201-IA.III dated 30 September 2020. The action plan shall be implemented within three years of commencement of the project.	Complied	Public hearing commitment is being complied.
41	Specific Condition	Miscellaneous	The project proponent shall prepare digital map (land use & land cover) of the entire lease area once in 5 years purpose of monitoring land use pattern and submit a report to concerned regional office of the MoEF & CC.	Complied	The last digital land use map has been submitted vide letter no. MGR/PC-14/C-11/5391 on 30/11/2022 and further report will be submitted in due period.
42	Specific Condition	Miscellaneous	The project authorities should inform to the regional office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Noted	Noted for compliance

43	Specific Condition	Miscellaneous	The project proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MOEFCC & its concerned regional office, central pollution control board and state pollution control board.	Complied	We are regularly submitting six monthly compliance report to all the concerned authorities.
44	Specific Condition	Miscellaneous	A separate environmental management cell with suitable qualified manpower should be set up under the control of a senior executive. The senior executive shall directly report to head of the organization. Adequate number of qualified environmental scientist and mining engineers shall be appointed and submit a report to RO, MoEF&CC	Complied	A separate environmental management cell has been established with qualified personnel & has sufficient monitoring equipment in environmental laboratory.
45	Specific Condition	Miscellaneous	The concerned regional office of the MoEF&CC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEF&CC officers by furnishing the requisite data/ information / monitoring reports.	Noted for Compliance	Noted for compliance
46	Specific Condition	Miscellaneous	In pursuant to ministry's O.M. No. 22/34/2018-IA.III dated 16.01.2020 to comply with the direction made by Hon'ble supreme court on 08.01.2020 in W.P.(civil) No.114/2014 in the matter common cause vs union of India the mining lease holder shall after ceasing mining operations undertake re-grassing the mining area and any other area which may have been disturbed due to other mining activities and restore the land to a condition which is fit for growth of fodder , flora, fauna etc.	Noted	Noted
47	Specific Condition	Miscellaneous	The ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	Agree	Agreed & noted
	Specific Condition	Miscellaneous	Concealing factual data or submission of false/ fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attracts action under the provisions of Environment (Protection) Act, 1986.	Noted	Agreed & noted
	Specific Condition	Miscellaneous	The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution)	Noted	Agreed and noted

			Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble supreme court of India/High court and any other court of law relating to the subject matter.		
	Specific Condition	Miscellaneous	Any appeal against this environmental clearance shall lie with the national green tribunal, if preferred within a period of 30 days as prescribed under section 16 of the national green tribunal Act, 2010.	Noted	Agreed & noted
	Specific Condition	Miscellaneous	This issues with the approval of competent authority.	Noted	Agreed & noted



Report No.20250311036/A

ULR No. TC594125000001035F

Report Issue Date: 19.03.2025

## TEST REPORT



1. Name of Customer : Tilakhera Limestone Mine,  
Mine Lease Area(MLA) - 07/97  
M/s J.K. Cement Works Mangrol,  
Tehsil - Nimbahera, District – Chittorgarh,  
State- Rajasthan (INDIA),
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date & Time of Monitoring : 07.03.2025/10:00AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 11.03.2025
7. Period of Analysis : 11.03.2025 to 18.03.2025
8. Name of Location : Near Mine Office (Tilakhera Mine)
9. Method of Sampling : IS: 5182(Part 23,2,6) & Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	27.3
2.	Relative Humidity	%	38

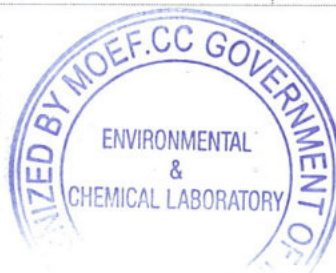
### Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 <sup>th</sup> Nov. 2009
<b>Chemical - Atmospheric Pollution - Ambient Air</b>					
1.	PM <sub>10</sub>	IS:5182 (Part-23)	µg/m <sup>3</sup>	64.03	100
2.	PM <sub>2.5</sub>	WIL/SOP No. 10/25 Issue date 01.05.2019	µg/m <sup>3</sup>	32.86	60
3.	SO <sub>2</sub>	IS:5182 (Part-2)	µg/m <sup>3</sup>	9.16	80
4.	NO <sub>2</sub>	IS:5182 (Part-6)	µg/m <sup>3</sup>	14.54	80

Tested By

Authorized Signatory

  
(Leena Sharma)  
Chemist



  
(Amreesh Kumar)  
Dy.GM (Technical)



### Note

1. Complaint Register is available in lab / Email ID [amrisha.malik@wolkem.com](mailto:amrisha.malik@wolkem.com)
2. The results listed refer only to the tested sample (s) and parameter (s) Endorsement of product is neither inferred nor implied.
3. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
4. The samples will be destroyed 15 days after the date of issue of test certificate unless otherwise specified.
5. Any discrepancy in test results should be reported within 15 days.







Report No. 20250311036/B

Report Issue Date: - 19.03.2025

### TEST REPORT

1. Name of Customer : Tilakhera Limestone Mine,  
Mine Lease Area(MLA) - 07/97  
M/s J.K. Cement Works Mangrol,  
Tehsil - Nimbahera, District – Chittorgarh,  
State- Rajasthan (INDIA),
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date & Time of Monitoring : 07.03.2025/10:00AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 11.03.2025
7. Period of Analysis : 11.03.2025 to 18.03.2025
8. Name of Location : Near Mine Office (Tilakhera Mine)
9. Method of Sampling : Instrument Manual

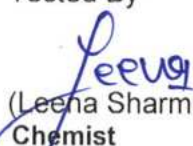
S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	27.3
2.	Relative Humidity	%	38

#### Results Ambient Air Quality

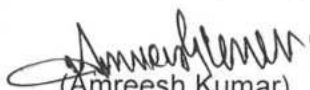
S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 <sup>th</sup> Nov. 2009
Chemical - Atmospheric Pollution - Ambient Air					
1.	CO	BY CO Meter	mg/m <sup>3</sup>	0.36	04 (1 hour)

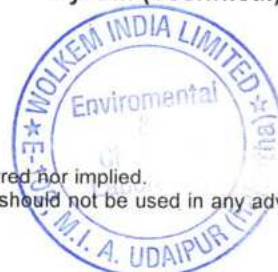
Tested By

Authorized Signatory

  
(Leena Sharma)  
Chemist



  
(Amreesh Kumar)  
Dy.GM (Technical)



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Report No.20250311037/A

ULR No. TC594125000001036F

Report Issue Date: 19.03.2025



### TEST REPORT

1. Name of Customer : Tilakhera Limestone Mine,  
Mine Lease Area(MLA) - 07/97  
M/s J.K. Cement Works Mangrol,  
Tehsil - Nimbahera, District – Chittorgarh,  
State- Rajasthan (INDIA),
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date & Time of Monitoring : 07.03.2025/10:45AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 11.03.2025
7. Period of Analysis : 11.03.2025 to 18.03.2025
8. Name of Location : Near Ravana Office (Tilakhera Mine)
9. Method of Sampling : IS: 5182(Part 23,2,6) & Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	27.6
2.	Relative Humidity	%	35

#### Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 <sup>th</sup> Nov. 2009
Chemical - Atmospheric Pollution - Ambient Air					
1.	PM <sub>10</sub>	IS:5182 (Part-23)	µg/m <sup>3</sup>	67.60	100
2.	PM <sub>2.5</sub>	WIL/SOP No. 10/25 Issue date 01.05.2019	µg/m <sup>3</sup>	33.98	60
3.	SO <sub>2</sub>	IS:5182 (Part-2)	µg/m <sup>3</sup>	9.49	80
4.	NO <sub>2</sub>	IS:5182 (Part-6)	µg/m <sup>3</sup>	15.12	80

Tested By

Authorized Signatory

(Leena Sharma)  
Chemist



(Amreesh Kumar)  
Dy.GM (Technical)



#### Note

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5. Any discrepancy in test results should be reported within 15 days.



### TEST REPORT

1. Name of Customer : Tilakhera Limestone Mine,  
Mine Lease Area(MLA) - 07/97  
M/s J.K. Cement Works Mangrol,  
Tehsil - Nimbahera, District – Chittorgarh,  
State- Rajasthan (INDIA),
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date & Time of Monitoring : 07.03.2025/10:45AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 11.03.2025
7. Period of Analysis : 11.03.2025 to 18.03.2025
8. Name of Location : Near Ravana Office (Tilakhera Mine)
9. Method of Sampling : Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	27.6
2.	Relative Humidity	%	35

#### Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 <sup>th</sup> Nov. 2009
Chemical - Atmospheric Pollution - Ambient Air					
1.	CO	BY CO Meter	mg/m <sup>3</sup>	0.33	04 (1 hour)

Tested By

Authorized Signatory

  
(Leena Sharma)  
Chemist



  
(Amreesh Kumar)  
Dy.GM (Technical)



#### Note

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Report No.20250311038/A

ULR No. TC594125000001037F

Report Issue Date: 19.03.2025

### TEST REPORT

1. **Name of Customer** : Tilakhera Limestone Mine,  
Mine Lease Area(MLA) - 07/97  
M/s J.K. Cement Works Mangrol,  
Tehsil - Nimbahera, District – Chittorgarh,  
State- Rajasthan (INDIA),
2. **Purchase Order Number** : 4600003316 Dated: - 04.07.2024
3. **Date & Time of Monitoring** : 07.03.2025/11:00AM
4. **Sample Identification** : Air Sample
5. **Condition of Sample** : Sealed/Ok
6. **Sample Received On** : 11.03.2025
7. **Period of Analysis** : 11.03.2025 to 18.03.2025
8. **Name of Location** : 3-10 meter distance from drilling point of Tilakhera Mine
9. **Method of Sampling** : IS: 5182(Part 2, 4, 6) & Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	27.8
2.	Relative Humidity	%	34

#### Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 <sup>th</sup> Nov. 2009
<b>Chemical - Atmospheric Pollution - Ambient Air</b>					
1.	SO <sub>2</sub>	IS:5182 (Part-2)	µg/m <sup>3</sup>	10.69	80
2.	NO <sub>2</sub>	IS:5182 (Part-6)	µg/m <sup>3</sup>	15.42	80
3.	SPM	IS:5182 (Part-4)	µg/m <sup>3</sup>	417.97	600

Tested By

Authorized Signatory

*Leena*  
(Leena Sharma)  
Chemist



*Amreesh Kumar*  
(Amreesh Kumar)  
Dy.GM (Technical)



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### TEST REPORT

1. Name of Customer : Tilakhera Limestone Mine,  
Mine Lease Area(MLA) - 07/97  
M/s J.K. Cement Works Mangrol,  
Tehsil - Nimbahera, District – Chittorgarh,  
State- Rajasthan (INDIA),
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date & Time of Monitoring : 07.03.2025/11:00AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 11.03.2025
7. Period of Analysis : 11.03.2025 to 18.03.2025
8. Name of Location : 3-10 meter distance from drilling point of Tilakhera Mine
9. Method of Sampling : Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	27.8
2.	Relative Humidity	%	34

#### Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 <sup>th</sup> Nov. 2009
Chemical - Atmospheric Pollution - Ambient Air					
1.	CO	BY CO Meter	mg/m <sup>3</sup>	0.59	04 (1 hour)

Tested By

Authorized Signatory

(Leena Sharma)  
Chemist



(Amreesh Kumar)  
Dy.GM (Technical)



#### Note

1. Complaint Register is available in lab / Email ID [amrisha.malik@wolkem.com](mailto:amrisha.malik@wolkem.com)
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TC - 5941

Report No.20250311039/A

ULR No. TC594125000001038F

Report Issue Date: 19.03.2025

### TEST REPORT

1. Name of Customer : Tilakhera Limestone Mine,  
Mine Lease Area(MLA) - 07/97  
M/s J.K. Cement Works Mangrol,  
Tehsil - Nimbahera, District – Chittorgarh,  
State- Rajasthan (INDIA),
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date & Time of Monitoring : 07.03.2025/11:40AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 11.03.2025
7. Period of Analysis : 11.03.2025 to 18.03.2025
8. Name of Location : Near Loading point of Tilakhera Mine
9. Method of Sampling : IS: 5182(Part 2, 4, 6) & Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	28.2
2.	Relative Humidity	%	32

#### Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 <sup>th</sup> Nov. 2009
Chemical - Atmospheric Pollution - Ambient Air					
1.	SO <sub>2</sub>	IS:5182 (Part-2)	µg/m <sup>3</sup>	11.62	80
2.	NO <sub>2</sub>	IS:5182 (Part-6)	µg/m <sup>3</sup>	13.99	80
3.	SPM	IS:5182 (Part-4)	µg/m <sup>3</sup>	407.17	600

Tested By

Authorized Signatory

(Leena Sharma)  
Chemist



(Amreesh Kumar)  
Dy.GM (Technical)



#### Note

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### TEST REPORT

1. Name of Customer : Tilakhera Limestone Mine,  
Mine Lease Area(MLA) - 07/97  
M/s J.K. Cement Works Mangrol,  
Tehsil - Nimbahera, District – Chittorgarh,  
State- Rajasthan (INDIA),
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date & Time of Monitoring : 07.03.2025/11:40AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 11.03.2025
7. Period of Analysis : 11.03.2025 to 18.03.2025
8. Name of Location : Near Loading point of Tilakhera Mine
9. Method of Sampling : Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	28.2
2.	Relative Humidity	%	32

#### Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 <sup>th</sup> Nov. 2009
Chemical - Atmospheric Pollution - Ambient Air					
1.	CO	BY CO Meter	mg/m <sup>3</sup>	0.48	04 (1 hour)

Tested By

Authorized Signatory

(Leena Sharma)  
Chemist

(Amreesh Kumar)  
Dy.GM (Technical)



#### Note

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Report No.20250311040/A

ULR No. TC594125000001039F

Report Issue Date: 19.03.2025

**TEST REPORT**

1. Name of Customer : Tilakhera Limestone Mine,  
Mine Lease Area(MLA) - 07/97  
M/s J.K. Cement Works Mangrol,  
Tehsil - Nimbahera, District – Chittorgarh,  
State- Rajasthan (INDIA),
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date & Time of Monitoring : 08.03.2025/08:20AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 11.03.2025
7. Period of Analysis : 11.03.2025 to 18.03.2025
8. Name of Location : Arnia Joshi Village, Tilakhera
9. Method of Sampling : IS: 5182(Part 23,2,6) & Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	25.4
2.	Relative Humidity	%	42

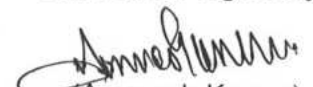
**Results Ambient Air Quality**

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 <sup>th</sup> Nov. 2009
<b>Chemical - Atmospheric Pollution - Ambient Air</b>					
1.	PM <sub>10</sub>	IS:5182 (Part-23)	µg/m <sup>3</sup>	58.39	100
2.	PM <sub>2.5</sub>	WIL/SOP No. 10/25 Issue date 01.05.2019	µg/m <sup>3</sup>	31.59	60
3.	SO <sub>2</sub>	IS:5182 (Part-2)	µg/m <sup>3</sup>	10.16	80
4.	NO <sub>2</sub>	IS:5182 (Part-6)	µg/m <sup>3</sup>	12.87	80

Tested By

(Leena Sharma)  
Chemist

Authorized Signatory

  
(Amreesh Kumar)  
Dy.GM (Technical)**Note**

- Complaint Register is available in lab / Email ID [amrisha.malik@wolkem.com](mailto:amrisha.malik@wolkem.com)
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- Any discrepancy in test results should be reported within 15 days.



Report No. 20250311040/B

Report Issue Date: - 19.03.2025

### TEST REPORT

1. Name of Customer : Tilakhera Limestone Mine,  
Mine Lease Area(MLA) - 07/97  
M/s J.K. Cement Works Mangrol,  
Tehsil - Nimbahera, District – Chittorgarh,  
State- Rajasthan (INDIA),
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date & Time of Monitoring : 08.03.2025/08:20AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 11.03.2025
7. Period of Analysis : 11.03.2025 to 18.03.2025
8. Name of Location : Arnia Joshi Village, Tilakhera
9. Method of Sampling : Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	25.4
2.	Relative Humidity	%	42

#### Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 <sup>th</sup> Nov. 2009
Chemical - Atmospheric Pollution - Ambient Air					
1.	CO	BY CO Meter	mg/m <sup>3</sup>	0.37	04 (1 hour)

Tested By

  
(Leena Sharma)  
Chemist



Authorized Signatory

  
(Amreesh Kumar)  
Dy.GM (Technical)



#### Note

1. Complaint Register is available in lab / Email ID [amrish.malik@wolkem.com](mailto:amrish.malik@wolkem.com)
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Report No.20250311041/A

ULR No. TC594125000001040F

Report Issue Date: 19.03.2025



### TEST REPORT

1. Name of Customer : Tilakhera Limestone Mine,  
Mine Lease Area(MLA) - 07/97  
M/s J.K. Cement Works Mangrol,  
Tehsil - Nimbahera, District – Chittorgarh,  
State- Rajasthan (INDIA),
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date & Time of Monitoring : 08.03.2025/08:45AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 11.03.2025
7. Period of Analysis : 11.03.2025 to 18.03.2025
8. Name of Location : Shahbad (Tilakhera Mine)
9. Method of Sampling : IS: 5182(Part 23,2,6) & Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	25.9
2.	Relative Humidity	%	40

### Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 <sup>th</sup> Nov. 2009
Chemical - Atmospheric Pollution - Ambient Air					
1.	PM <sub>10</sub>	IS:5182 (Part-23)	µg/m <sup>3</sup>	63.57	100
2.	PM <sub>2.5</sub>	WIL/SOP No. 10/25 Issue date 01.05.2019	µg/m <sup>3</sup>	33.42	60
3.	SO <sub>2</sub>	IS:5182 (Part-2)	µg/m <sup>3</sup>	9.50	80
4.	NO <sub>2</sub>	IS:5182 (Part-6)	µg/m <sup>3</sup>	11.91	80

Tested By

Authorized Signatory

*Leena*  
(Leena Sharma)  
Chemist



*Amreesh Kumar*  
(Amreesh Kumar)  
Dy.GM (Technical)



### Note

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### TEST REPORT

1. Name of Customer : Tilakhera Limestone Mine,  
Mine Lease Area(MLA) - 07/97  
M/s J.K. Cement Works Mangrol,  
Tehsil - Nimbahera, District – Chittorgarh,  
State- Rajasthan (INDIA),
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date & Time of Monitoring : 08.03.2025/08:45AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 11.03.2025
7. Period of Analysis : 11.03.2025 to 18.03.2025
8. Name of Location : Shahbad (Tilakhera Mine)
9. Method of Sampling : Instrument Manual

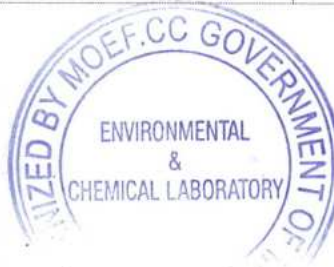
S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	25.9
2.	Relative Humidity	%	40

#### Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 <sup>th</sup> Nov. 2009
Chemical - Atmospheric Pollution - Ambient Air					
1.	CO	BY CO Meter	mg/m <sup>3</sup>	0.30	04 (1 hour)

Tested By

  
(Leena Sharma)  
Chemist



Authorized Signatory

  
(Amreesh Kumar)  
Dy.GM (Technical)



#### Note

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ULR No.TC594125000001041F-1042

Report Issue Date: 19.03.2025



### TEST REPORT

1. Name of Customer : Tilakhera Limestone Mine,  
Mine Lease Area(MLA) - 07/97  
M/s J.K. Cement Works Mangrol,  
Tehsil - Nimbahera, District – Chittorgarh,  
State- Rajasthan (INDIA),
2. Purchase order Number : 4600003316 Dated: - 04.07.2024
3. Date of Monitoring : 07.03.2025 to 08.03.2025
4. Sample Identification : Noise Monitoring
5. Condition of Sample : NA
6. Sample Received On : NA
7. Period of Analysis : NA
8. Test Methods Reference : IS: 9989– 1981 (Reaffirmed 2014)

### Noise Level Monitoring Results

S. No	Station Point	Report No.	Sound pressure Level dB Day Time		Sound pressure Level dB Night Time	
			Maximum	Minimum	Maximum	Minimum
1.	Near Mine Office, Tilakhera Mine	20250311042	63.1	53.9	51.1	42.4
2.	Near Ravana Office, Tilakhera Mine	20250311043	65.9	53.4	50.1	41.8

### CPCB Norms

S. No	Category of area	Day time dB 6.00 AM to 10.00PM	Night Time dB 10.00PM to 6.00am
1.	Industrial area	75.0	70.0
2.	Commercial area	65.0	55.0
3.	Residential area	55.0	45.0
4.	Silence area	50.0	40.0

Tested By

*Leena*  
(Leena Sharma)  
Chemist

Authorized Signatory

*Amrisha*  
(Amrisha Kumar)  
Dy.GM (Technical)



### Note

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Page 1 of 1  
End of Report



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Report No.20250214007

ULR No. TC594125000000571F

Report Issue Date: 24.02.2025

### TEST REPORT



1. Name of Customer : Tilakhera Limestone Mine,  
Mine Lease Area(MLA) - 07/97,  
M/s J.K. Cement Works Mangrol  
Tehsil - Nimbahera, District – Chittorgarh,  
State- Rajasthan (INDIA),
2. Purchase order Number : 4600007665 Dated: - 26.11.2024
3. Sample Identification : Ground water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 14.02.2025/01:35PM
6. Sample received on : 14.02.2025
7. Period of Analysis : 14.02.2025 to 24.02.2025
8. Name of Sample & Location : Potable & Domestic water  
(Tilakhera Mine Tube Well Ground water)
9. Method of Sampling : IS:17614 (Pt 1) 2021

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	23.2
2.	Relative Humidity	%	46

S. No.	Parameters	Test Method	Unit	Results	Limits :- IS-10500:2012	
					Acceptable	Permissible
Chemical – Water- Ground Water						
1.	pH (at 25°C)	IS:3025 (Part-11)	-	7.16	6.5 to 8.5	No Relaxation
2.	Conductivity (at 25°C)	IS:3025 (Part-14)	µs/cm	349.2	-	-
3.	Color	IS:3025 (Part-4)	Hazen	<5	5	15
4.	Odour	IS:3025 (Part-5)	-	Agreeable	Agreeable	Agreeable
5.	Turbidity	IS:3025 (Part-10)	NTU	0.70	1	5
6.	Total Dissolve Solid	IS:3025 (Part-16)	mg/L	222	500	2000
7.	Total Suspended Solid	IS:3025 (Part-17)	mg/L	BDL(<5)	-	-
8.	Total Hardness as CaCo <sub>3</sub>	IS:3025 (Part-21)	mg/L	122	200	600
9.	Calcium as Ca <sup>2+</sup>	IS:3025 (Part-40)	mg/L	37.6	75	200
10.	Magnesium as Mg <sup>2+</sup>	IS:3025 (Part-46)	mg/L	6.72	30	100
11.	Total Alkalinity	IS:3025 (Part-23)	mg/L	64	200	600
12.	Chlorides as Cl <sup>-</sup>	IS:3025 (Part-32)	mg/L	27	250	1000
13.	Oil & Grease	IS:3025 (Part-39)	mg/L	BDL(<0.4)	-	-
14.	Fluoride as F-	APHA 24 <sup>th</sup> Ed., 4500 (F) C	mg/L	BDL(<0.1)	1.0	1.5

### Chemical – Residues & Contaminants In Water – Ground water

15.	Iron as Fe	APHA 24 <sup>th</sup> Ed., 3111B	mg/L	BDL(<0.1)	0.3	No Relaxation
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BDL-Below Detection Limit

Tested By

*(Manali Vyas)*  
Chemist



Authorized Signatory

*(Puran Singh)*  
Asst. Officer



### Note

1. Complaint Register is available in lab / Email ID [amrisha.malik@wolkem.com](mailto:amrisha.malik@wolkem.com)
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End of Report



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"Wolkem House", E-101, Mewar Industrial Area, Madri, Udaipur - 313003, Rajasthan- India  
Phone : +91 294 2494600 - 02 E-mail : [info@wolkem.com](mailto:info@wolkem.com)

CIN- U29299RJ1971PLC001379



Report No.20250214008

ULR No. TC594125000000572F

Report Issue Date: 24.02.2025



### TEST REPORT

1. Name of Customer : Tilakhera Limestone Mine,  
Mine Lease Area(MLA) - 07/97,  
M/s J.K. Cement Works Mangrol,  
Tehsil - Nimbahera, District – Chittorgarh,  
State- Rajasthan (INDIA),
2. Purchase order Number : 4600007665 Dated: - 26.11.2024
3. Sample Identification : Ground water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 14.02.2025/01:55PM
6. Sample received on : 14.02.2025
7. Period of Analysis : 14.02.2025 to 24.02.2025
8. Name of Sample & Location : Potable & Domestic water (Hand pump-Shahbad Ground water)
9. Method of Sampling : IS:17614 (Pt 1) 2021

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	23.8
2.	Relative Humidity	%	46

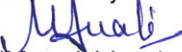
S. No.	Parameters	Test Method	Unit	Results	Limits :- IS-10500:2012	
					Acceptable	Permissible
Chemical – Water- Ground Water						
1.	pH (at 25°C)	IS:3025 (Part-11)	-	7.28	6.5 to 8.5	No Relaxation
2.	Conductivity (at 25°C)	IS:3025 (Part-14)	µs/cm	959.2	-	-
3.	Color	IS:3025 (Part-4)	Hazen	<5	5	15
4.	Odour	IS:3025 (Part-5)	-	Agreeable	Agreeable	Agreeable
5.	Turbidity	IS:3025 (Part-10)	NTU	0.70	1	5
6.	Total Dissolve Solid	IS:3025 (Part-16)	mg/L	620	500	2000
7.	Total Suspended Solid	IS:3025 (Part-17)	mg/L	10	-	-
8.	Total Hardness as CaCO <sub>3</sub>	IS:3025 (Part-21)	mg/L	314	200	600
9.	Calcium as Ca <sup>2+</sup>	IS:3025 (Part-40)	mg/L	100.8	75	200
10.	Magnesium as Mg <sup>2+</sup>	IS:3025 (Part-46)	mg/L	14.9	30	100
11.	Total Alkalinity	IS:3025 (Part-23)	mg/L	108	200	600
12.	Chlorides as Cl <sup>-</sup>	IS:3025 (Part-32)	mg/L	109	250	1000
13.	Oil & Grease	IS:3025 (Part-39)	mg/L	BDL(<0.4)	-	-
14.	Fluoride as F <sup>-</sup>	APHA 24 <sup>th</sup> Ed., 4500 (F) C	mg/L	0.62	1.0	1.5

### Chemical – Residues & Contaminants In Water – Ground water

15.	Iron as Fe	APHA 24 <sup>th</sup> Ed., 3111B	mg/L	BDL(<0.1)	0.3	No Relaxation
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BDL-Below Detection Limit

Tested By

  
(Manali Vyas)  
Chemist



Authorized Signatory

  
(Puran Singh)  
Asst. Officer

### Note

1. Complaint Register is available in lab / Email ID [amrishi.malik@wolkem.com](mailto:amrishi.malik@wolkem.com)
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CIN- U29299RJ1971PLC001379



Report No.20250214009

ULR No. TC594125000000573F

Report Issue Date: 24.02.2025

### TEST REPORT



1. Name of Customer : Tilakhera Limestone Mine,  
Mine Lease Area(MLA) - 07/97,  
M/s J.K. Cement Works Mangrol,  
Tehsil - Nimbahera, District – Chittorgarh,  
State- Rajasthan (INDIA),
2. Purchase order Number : 4600007665 Dated: - 26.11.2024
3. Sample Identification : Potable water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 14.02.2025/02:25PM
6. Sample received on : 14.02.2025
7. Period of Analysis : 14.02.2025 to 24.02.2025
8. Name of Sample & Location : Potable & Domestic water  
(Tilakhera Mine Pit-water Surface water)
9. Method of Sampling : IS:17614 (Pt 1) 2021

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	23.9
2.	Relative Humidity	%	46

S. No.	Parameters	Test Method	Unit	Results	Limits :- IS-10500:2012	
					Acceptable	Permissible

<b>Chemical – Water- Potable Water</b>						
1.	pH (at 25°C)	IS:3025(Part-11)	-	7.58	6.5 to 8.5	No Relaxation
2.	Conductivity (at 25°C)	IS:3025(Part-14)	µs/cm	643.2	-	-
3.	Color	IS:3025(Part-4)	Hazen	<5	5	15
4.	Odour	IS:3025(Part-5)	-	Agreeable	Agreeable	Agreeable
5.	Turbidity	IS:3025(Part-10)	NTU	0.60	1	5
6.	Total Dissolve Solid	IS:3025(Part-16)	mg/L	416	500	2000
7.	Total Suspended Solid	IS:3025(Part-17)	mg/L	08	-	-
8.	Total Hardness as CaCO <sub>3</sub>	IS:3025(Part-21)	mg/L	226	200	600
9.	Calcium as Ca <sup>2+</sup>	IS:3025(Part-40)	mg/L	59.2	75	200
10.	Magnesium as Mg <sup>2+</sup>	IS:3025(Part-46)	mg/L	18.7	30	100
11.	Total Alkalinity	IS:3025(Part-23)	mg/L	76	200	600
12.	Chlorides as Cl <sup>-</sup>	IS:3025(Part-32)	mg/L	63	250	1000
13.	Oil & Grease	IS:3025(Part-39)	mg/L	BDL(<0.4)	-	-
14.	Fluoride as F <sup>-</sup>	APHA 24 <sup>th</sup> Ed., 4500 (F) C	mg/L	0.52	1.0	1.5
<b>Chemical – Residues &amp; Contaminants In water– Potable water</b>						
15.	Iron as Fe	APHA 24 <sup>th</sup> Ed., 3111B	mg/L	BDL(<0.1)	0.3	No Relaxation

BDL-Below Detection Limit

Tested By

*(Manali Vyas)*  
Chemist



Authorized Signatory

*(Puran Singh)*  
Asst. Officer

#### Note

1. Complaint Register is available in lab / Email ID [amrisha.malik@wolkem.com](mailto:amrisha.malik@wolkem.com)
2. The results listed refer only to the tested sample (s) and parameter (s) Endorsement of product is neither inferred nor implied
3. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
4. The samples will be destroyed 15 days after the date of issue of test certificate unless otherwise specified.
5. Any discrepancy in test results should be reported within 15 days.



Page 1 of 1  
End of Report

Accredited as per ISO/IEC 17025, Recognised by MoEF&CC

Registered & Corporate Office:  
"Wolkem House", E-101, Mewar Industrial Area, Madri, Udaipur - 313003, Rajasthan- India  
Phone : +91 294 2494600 - 02 E-mail : [info@wolkem.com](mailto:info@wolkem.com)

CIN- U29299RJ1971PLC001379

Report No.20250214014

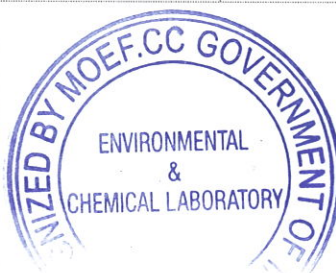
ULR No. TC594125000000578F

Report Issue Date: 17.02.2025


### TEST REPORT

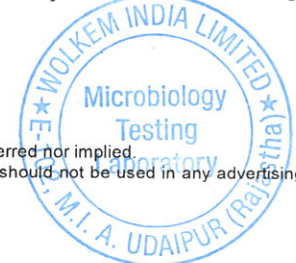
1. Name of Customer : Tilakhera Limestone Mine,  
Mine Lease Area(MLA) - 07/97,  
M/s J.K. Cement Works Mangrol,  
Tehsil - Nimbahera, District – Chittorgarh,  
State- Rajasthan (INDIA),
2. Purchase Order No. : 4600007665 Dated: - 26.11.2024
3. Sample Identification : Potable water
4. Condition of sample : Sealed/Ok
5. Source/ Location : Potable & Domestic water  
(Tilakhera Mine Tube Well Ground water)
6. Sampling done by : Environmental & Chemical Laboratory, Wolkem India Limited
7. Sample Received on : 14.02.2025
8. Period of Testing : 14.02.2025 to 17.02.2025
9. Environmental conditions : Temp 23.2°C/ RH 46%
10. Sampling method : IS: 1622-1981

S. No.	Parameters	Test Method	Unit	Results	Limit (IS 10500:2012)
Biological – Water- Potable water					
1.	E.coli	IS 15185:2016	Per/ 100ml	Not Detectable	Shall not be detectable/100ml
2.	Total Coliforms	IS 15185:2016	Per/ 100ml	Not Detectable	Shall not be detectable/100ml



Authorized Signatory

  
Amreesh Kumar  
Dy.GM [Technical]



**Note:**

1. Complaint Register is available in lab / Email ID [amrish.malik@wolkem.com](mailto:amrish.malik@wolkem.com)
2. The results listed refer only to the tested sample (s) and parameters (s). Endorsement of product is neither inferred nor implied.
3. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
4. The samples will be destroyed 07 days after the date of issue of test certificate unless otherwise specified.
5. Any discrepancy in test results should be reported within 03 days.
6. Bacteriological Quality of Drinking Water as per IS:10500

S. No.	Organisms	Requirements
1	All water intended for drinking a. E. Coli	Shall not be detectable in any 100 ml sample
2	Treated water entering the distribution system a. E. coli b. Total coliform bacteria	Shall not be detectable in any 100 ml sample Shall not be detectable in any 100 ml sample







Report No.20250214015

ULR No. TC594125000000579F

Report Issue Date: 17.02.2025

### TEST REPORT

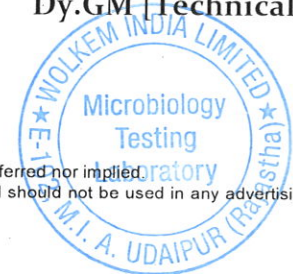
1. Name of Customer : Tilakhera Limestone Mine,  
Mine Lease Area(MLA) - 07/97,  
M/s J.K. Cement Works Mangrol,  
Tehsil - Nimbahera, District – Chittorgarh,  
State- Rajasthan (INDIA),
2. Purchase Order No. : 4600007665 Dated: - 26.11.2024
3. Sample Identification : Potable water
4. Condition of sample : Sealed/Ok
5. Source/ Location : Potable & Domestic water  
(Hand pump - Shahbad Ground water)
6. Sampling done by : Environmental & Chemical Laboratory, Wolkem India Limited
7. Sample Received on : 14.02.2025
8. Period of Testing : 14.02.2025 to 17.02.2025
9. Environmental conditions : Temp 23.8°C/ RH 46%
10. Sampling method : IS: 1622-1981

S. No.	Parameters	Test Method	Unit	Results	Limit (IS 10500:2012)
Biological – Water- Potable water					
1.	E.coli	IS 15185:2016	Per/ 100ml	Not Detectable	Shall not be detectable/100ml
2.	Total Coliforms	IS 15185:2016	Per/ 100ml	Not Detectable	Shall not be detectable/100ml



Authorized Signatory

*Amresh Kumar*  
Amresh Kumar  
Dy.GM [Technical]



#### Note:

1. Complaint Register is available in lab / Email ID [amrish.malik@wolkem.com](mailto:amrish.malik@wolkem.com)
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4. The samples will be destroyed 07 days after the date of issue of test certificate unless otherwise specified.
5. Any discrepancy in test results should be reported within 03 days.
6. Bacteriological Quality of Drinking Water as per IS:10500

S. No.	Organisms	Requirements
1	All water intended for drinking a. E. Coli	Shall not be detectable in any 100 ml sample
2	Treated water entering the distribution system a. E. coli b. Total coliform bacteria	Shall not be detectable in any 100 ml sample Shall not be detectable in any 100 ml sample





Report No.20250214016

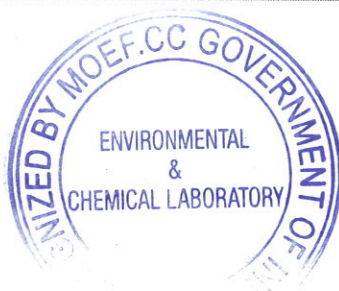
ULR No. TC594125000000580F

Report Issue Date: 17.02.2025

### TEST REPORT

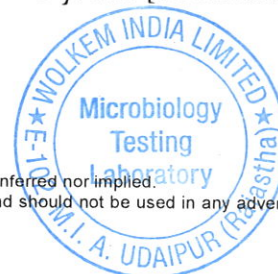
1. Name of Customer : Tilakhera Limestone Mine,  
Mine Lease Area(MLA) - 07/97,  
M/s J.K. Cement Works Mangrol,  
Tehsil - Nimbahera, District – Chittorgarh,  
State- Rajasthan (INDIA),
2. Purchase Order No. : 4600007665 Dated: - 26.11.2024
3. Sample Identification : Potable water
4. Condition of sample : Sealed/Ok
5. Source/ Location : Potable & Domestic water  
(Tilakhera Mine Pit-water Surface water)
6. Sampling done by : Environmental & Chemical Laboratory, Wolkem India Limited
7. Sample Received on : 14.02.2025
8. Period of Testing : 14.02.2025 to 17.02.2025
9. Environmental conditions : Temp 23.9°C/ RH 46%
10. Sampling method : IS: 1622-1981

S. No.	Parameters	Test Method	Unit	Results	Limit (IS 10500:2012)
Biological – Water- Potable water					
1.	E.coli	IS 15185:2016	Per/ 100ml	Not Detectable	Shall not be detectable/100ml
2.	Total Coliforms	IS 15185:2016	Per/ 100ml	Not Detectable	Shall not be detectable/100ml



Authorized Signatory

Amrisha Kumar  
Dy.GM [Technical]

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