

NBH/PC-14/C12/2025-26/ 0246

Through Email

Date: 22/05/2026

To,
The Director (M),
Ministry of Environment, Forest & Climate Change,
Indira Paryavaran Bhawan,
JOR Bagh Road, Aliganj,
New Delhi-110003

Sub: Environmental Clearance Compliance for Expansion in Limestone Production Capacity from 5.6 Million TPA to 6.7 Million TPA with Total Excavation 7.528 MTPA (comprising 6.7 MTPA of Limestone, 0.5 MTPA of mineral reject, 0.293 MTPA of waste and 0.035 MTPA of soil) with installation of additional crusher of 1500TPH & no change in existing crusher capacity of 1500 TPH & OLBC in the ML area of 315.409 ha by M/s J.K. Cement Limited located at Village Maliakhera, Tehsil Nimbahera, District Chittorgarh, Rajasthan by M/s J.K. Cement Limited Kanpur for the period of **October 2025 to March 2026.**

Ref.: EC letter no. - J- 11015/42/2019/-IA. II (M) dated. 19th August 2021 and Expansion under para 7(ii) of EIA Notification 2006 vide letter no. IA-J-11015/42/2019-IA-II(M) dated 3rd October 2025

Dear Sir,

Kindly refer to the above subject matter and refer EC letter no., please find attached herewith compliance of EC for the period of **October 2025 to March 2026.**

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, moef@nic.in, ccb.cpcb@nic.in, member-secretary@rpcb.nic.in, cpcb.bhopal@gov.in, monitoring-ec@nic.in, ro.chittorgarh@gmail.com.

We hope that the compliance is in order.

Thanking you.

Yours Faithfully

For **J. K. Cement Works, Nimbahera**


Manish Toshniwal
Unit Head (Operations)

Encl: as above

Copy to:

1. The Deputy Director(S), Ministry of Environment, Forests & Climate Change, Integrated Regional office, Jaipur, A-218, Aranya Bhawan, Jhalana Institutional Area, **Jaipur-302004**
2. The Regional Director, Central Pollution Control Board, Paryavaran Parisar, E-5, Arera colony, **Bhopal (M.P) 462016**
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-CUM office complex, East Arjun Nagar, **New Delhi 110032.**
4. The Chairman, Rajasthan State Pollution Control Board, 4, Institutional Area, Jhalana Doongri, **Jaipur – 302004 (Rajasthan)**

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)
Jharti (Haryana) | Katni (M.P.) | Aligarh (U.P.) | Balasinor (Gujarat)

JK CEMENT
WallMaxX
White Cement Wall Putty



**Half Yearly Compliance Report
2026**

01 Jun(01 Oct - 31 Mar)

Acknowledgement

Proposal Name	Proposed expansion under para 7(ii) of EIA notification 2006, in production capacity of Limestone from 5.6 Million TPA to 6.7 Million TPA from Maliakhera Limestone Mine (ML No. - 04/2003, Area- 315.409 Ha.) of M/s JK Cement Limited located at Village- Maliakhera, Tehsil Nimbahera, District Chittorgarh, State- Rajasthan		
Name of Entity / Corporate Office	JK Cement Limited		
Village(s)	BANSA		
District	CHITTORGARH		
Proposal No.	IA/RJ/MIN/489730/2024	Category	Non-Coal Mining
Plot / Survey / Khasra No.		Sub-District	Nimbahera
State	RAJASTHAN	Entity's PAN	*****0355R
MoEF File No.	IA-J-11015/42/2019-IA-II(M)	Entity name as per PAN	J K CEMENT LIMITED

Compliance Reporting Details

Reporting Year	2026
Remarks (if any)	Submitting herewith the Six-Monthly EC Compliance Report for the period: October 2025 to March 2026 of Expansion in Limestone Production Capacity from 5.6 Million TPA to 6.7 Million TPA with Total Excavation 7.528 MTPA (comprising 6.7 MTPA of Limestone, 0.5 MTPA of mineral reject, 0.293 MTPA of waste and 0.035 MTPA of soil) with installation of additional crusher of 1500TPH and no change in existing crusher capacity of 1500 TPH and OLBC in the ML area of 315.409 ha by M/s J.K. Cement Limited located at Village Maliakhera, Tehsil Nimbahera, District Chittorgarh, Rajasthan
Reporting Period	01 Jun(01 Oct - 31 Mar)

Details of Production and Project Area

Name of Entity / Corporate Office		JK Cement Limited				
	Project Area as per EC Granted	Actual Project Area in Possession				
Private	315.409	315.409				
Revenue Land	0	0				
Forest	0	0				
Others	N/A	N/A				
Total	315.409	315.409				
Others Area						
	Sr. no	Other Name	Area Granted	Area Actual		
	1	NA	NA	NA		
Production Capacity						
Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Cement Grade Limestone	Million Tons per Annum (MTPA)	30/11/2030	6.7	5.93973926	6.7
2	Sub-Grade Limestone	Million Tons per Annum (MTPA)	30/11/2030	0.5	0.197724	0.5
3	IB/Screen Reject/Waste	Million Tons per Annum (MTPA)	30/11/2030	0.293	0.059812	0.293
4	Topsoil	Million Tons per Annum (MTPA)	30/11/2030	0.035	0.018734	0.035
Conditions						
Visit Remarks						
Last Site Visit Report Date:			N/A			
Additional Remarks:						
<p>Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.</p>						

Form for Uploading Six Monthly Compliance Report

Proposal Details

Proposal No.	IA/RJ/MIN/489730/2024	Project Name	Proposed expansion under para 7(ii) of EIA notification 2006, in production capacity of Limestone from 5.6 Million TPA to 6.7 Million TPA from “Maliakhera Limestone Mine” (ML No. - 04/2003, Area- 315.409 Ha.) of M/s JK Cement Limited located at Village- Maliakhera, Tehsil Nimbahera, District Chittorgarh, State- Rajasthan
Category	A	MoEF File No.	IA-J-11015/42/2019-IA-II(M) dated 03/10/2025
Name of the Entity / Corporate Office*	M/s. J.K. Cement Works, Nimbahera, Kailash Nagar, District Chittorgarh-312617, Rajasthan (unit of J K Cement Limited, Kanpur)		
Entity’s PAN*	AABCJ0355R		
Entity Name as per PAN	J K CEMENT LIMITED.		

Compliance Letter/Report

Reporting Year*	2025-26	Reporting Period*	October 2025 to March 2026
Remarks (if any)	Submitting herewith the Six-Monthly EC Compliance Report for the period: October 2025 to March 2026 of Expansion in Limestone Production Capacity from 5.6 Million TPA to 6.7 Million TPA with Total Excavation 7.528 MTPA (comprising 6.7 MTPA of Limestone, 0.5 MTPA of mineral reject, 0.293 MTPA of waste and 0.035 MTPA of soil) with installation of additional crusher of 1500TPH & no change in existing crusher capacity of 1500 TPH & OLBC in the ML area of 315.409 ha by M/s J.K. Cement Limited located at Village Maliakhera, Tehsil Nimbahera, District Chittorgarh, Rajasthan		

Details of Production and Project Area

Date of Commencement of Project /Activity: *	15.04.1986	Project Area as Per EC Granted (In Case of Mine Lease):*	315.409 Ha.
Actual Project Area (In Case of Mine Lease): *	315.409 Ha.		

PRODUCTION CAPACITY: Detail of Mines Excavation Quantity for the FY: 2025-26

S. No	Particulars	Unit	Permitted Quantity as Per EC	Production during last Financial Year: 2024-25	Actual Production Quantity in the period of October to March, 2026
1	Cement Grade Limestone	Million TPA	6.7	5.41672066	2.98746581
2	Sub-Grade Limestone	Million TPA	0.5	0.141430	0.106262
3	IB/Screen Reject/Waste	Million TPA	0.293	0.056533	0.024709
4	Topsoil	Million TPA	0.035	0.029002	0.00602
	Total Excavation Quantity	Million TPA	7.528	5.643882	3.12445681

Maliakhera Limestone Mine (M.L. No.: 04/2003, ML Area: 315.409 ha.)
EC Compliance Report: October 2025 to March 2026

Environmental Clearance for Expansion in Limestone Production Capacity from 5.6 Million TPA to 6.7 Million TPA with Total Excavation 7.528 MTPA (comprising 6.7 MTPA of Limestone, 0.5 MTPA of mineral reject, 0.293 MTPA of waste and 0.035 MTPA of soil) with installation of additional crusher of 1500TPH & no change in existing crusher capacity of 1500 TPH & OLBC in the ML area of 315.409 ha by M/s J.K. Cement Limited located at Village Maliakhera, Tehsil Nimbahera, District Chittorgarh, Rajasthan

Environment Clearance vide No.: IA-J-11015/42/2019-IA-II(M) dated 03/10/2025

1. SPECIFIC CONDITION

S. No.	Condition Type	Condition Details	Self Declaration	Remarks / Reason
1.1	Specific condition	No blasting activities shall take place within 500 meters of schools and residential areas and within 50 meters of streams (nallahs). Special permission needs to be obtained for mining within 500 m from schools/ residential areas. Metal windscreen should be installed adjacent to the habitations/schools for the prevention of flying rocks and dust. Additionally, one fog cannon shall be installed at the school located within a 500 m perimeter from the ML boundary and within the ML boundary. PP shall also undertake dense plantation near the school area in consultation with the School authorities.	Being Complied	Noted, Mining is being done as per approved mining plan, if additional permission required we will take from concerned authorities. In upcoming monsoon dense plantation proposed nearby school area with consulting school.
1.2	Specific condition	PP shall consult the district school authorities/ School Principal while fixing the blasting schedule. No blasting shall take place during the school hours. A copy of EC shall be sent to principal of all schools lying within a distance of 500 m from the ML boundary.	Being Complied	Noted and Agreed., we are ensuring that blasting is being done as per schedule. EC copy has been submitted to nearby schools. Receiving copy attached as Annexure – 10.
1.3	Specific condition	No mining activity shall be allowed within the 50 m of the nallah. PP shall consult State Water Resource Department / Irrigation Department and	Complied	Agreed, no any mining activity is being done within 50 m of Nallah.

		SPCB to protect and safeguard the nallahs/water bodies in and adjacent to the ML boundary. An implementation report based on consultation with above mentioned state authorities needs to be submitted to Ministry's Regional Office in half-yearly compliance reports		
1.4	Specific condition	PP shall comply with all the Judgement/ Orders of Hon'ble NGT in the OA No. 304/2019 in the matter of M.Haridasan & Ors. Applicant (s) versus State of Kerala & Ors. Reg.	Complied	Noted and Agreed.
1.5	Specific condition	PP should procure at least four noise level measurement devices and submit its readings post blasting, during blasting, after blasting, and the noise level at the crusher in half-yearly compliance reports to the Ministry's Regional Office.	Being Complied	Noise level is being monitored pre, post and during blasting and at crusher area and report is enclosed as Annexure – 1.1.
1.6	Specific condition	PP shall complete the plantation on both side of the roads leading from crusher at the mine site to Nimbahera Cement Plant within 6 months as committed by them. Geotagged photographs of the same shall be sent to Ministry's Regional Office along with six monthly compliance reports.	Agree to comply	Agreed to Comply.
1.7	Specific condition	PP should submit the details of land acquired and to be acquired to the Ministry's Regional Office in Half-Yearly Compliance Reports.	Being Complied	Noted and Agreed., Land Acquisition details enclosed as Annexure – 11.


1.8	Specific condition	The Project Proponent needs to implement all possible mitigation measures while transporting the mineral by Road. Tarpaulin covered trucks should be used to prevent spillage and emission of dust. Proper training of drivers, operators, and supervisors should be imparted regarding adverse effects of ore spillage on air, water and soil quality.	Being Complied	Noted and Agreed.
1.9	Specific condition	The natural water bodies and or streams which are flowing in and around the mine lease area should not be disturbed. It should be ensured that no silt from mine projects flows into the nearby water bodies/streams. PP shall get the water quality of the nearby water bodies/nalas (upstream/downstream) analyzed by the Government institutes of National repute. This monitoring should be done periodically, and the monitoring interval should not be more than 3 months. The report should be shared with the Ministry's Regional Office on half half-yearly basis.	Complied	Noted and Agreed.
1.10	Specific condition	The Project Proponent shall monitor the air quality, noise level, water quality, water level, and ground vibration during drilling and blasting at the edge of the mine, near the village, at the crusher, and at other sensitive receptors, and such collected data shall be submitted quarterly to the Ministry's Regional Office.	Being Complied	Regular monitoring of ambient air quality, noise levels, water quality, water levels, and ground vibration (during drilling and blasting) is being carried out. The monitoring locations have been strategically established at the lease boundary (edge of the mine), the mine office, the nearest village, near the crusher.
1.11	Specific condition	The Project Proponent should install Continuous Ambient Air Quality Monitoring Stations as per the scientific study and in consultation with CPCB/SPCB. The real-time data so	Complied	Three (03) nos. of CAAQMS have been installed all along the mine lease boundary: - 1.Near Magazine towards Village Falwa & Peer Khera. 2.Mine Office towards Village Karunda, Pipaliya and Maliakhera. 3.Towards Village Charlia (Common for Karunda mine and Maliakhera mine).

		generated should be displayed digitally at the entry and exit gate of the mine lease area for public display and shall be linked to the server of CPCB/SPCB.		Digital display board has been provided at Mine Office. CAAQMS data has been uploaded on CPCB and RSPCB portals.
1.12	Specific condition	The Project Proponent needs to use modern equipment such as Camera Traps, for ensuring the presence and movement of wild animals in the study area in consultation with the Wildlife Wing of the Forest Department. Appropriate interventions shall be taken to minimize stress conditions for wild animals and to avoid Man-Animal conflict.	Complied	Noted
1.13	Specific condition	The Project Proponent should follow up on the status of implementation of the Wildlife Conservation Plan from the Forest Officials and the same shall be submitted to the Ministry's Regional Office in the six-monthly compliance report. PP should submit a copy of the approved modified Wildlife Conservation plan as per the Wildlife Amendment Act 2022 to the Ministry's Regional Office.	Being Complied	A Combined Wildlife Conservation Plan (WLCP) has been prepared for 5 Nos. of captive Limestone Mines and 2 Nos. of Integrated Cement Plant of J K Cement Ltd located within 10 Km radius in Tehsil Nimbahera, Chittorgarh District. The Wildlife Conservation Plan has been forwarded by the DFO - Chittorgarh to Divisional Chief Conservator of Forest vide letter No.: F(5) Survey/UVS/2021-22/4089 dated 13.07.2021 with a total implementation cost of INR 285.30 lakhs for 10 years. The approved plan is being implemented by the State Forest Department. An amount of INR 57.07 Lakh has already been deposited to the Rajasthan Forest Department as per demand note issued by the DFO - Chittorgarh in July-2021.
1.14	Specific condition	The Project Proponent shall take adequate measures to prevent the pilferage of minerals.	Being Complied	Noted, Mining has been carried out as per approved mining plan.
1.15	Specific condition	The Project Proponent needs to install the permanent water sprinklers in addition to mobile water tankers along the haul road and the approach road. Further, 6 nos. of fog/mist cannon sprayer of at least 40 m throw shall be installed at various locations in the mine area in addition to the fog cannon at schools or near habitations as stipulated	Complied	Permanent Sprinklers installed at crusher unit and mobile tankers has been deployed to sprinkle the water on haul road, Photographs of the same has been enclosed as Annexure – 12 .

		above. An effective dust suppression system shall also be adopted at other parts of the mining lease to arrest the fugitive dust emission.		
1.16	Specific condition	The Project Proponent shall carry out the blasting in such a way that the direction of the blasting is perpendicular to the village, and the guidelines of DGMS and provisions of MMR 1961 should be followed. PP should monitor all the blasts, including blast-induced vibrations, and maintain records.	Being Complied	Noted, Mining has been carried out as per approved mining plan.
1.17	Specific condition	The Project Proponent shall explore the possibility of using at least 20% of Electric vehicles/CNG/Solar instead of diesel operation within three years.	Yet to be Comply	Noted.
1.18	Specific condition	The air pollution control equipment's as bag filters, vacuum suction hoods, dry fogging systems, etc., shall be installed in areas prone to air pollution and at existing crusher. PP shall take necessary measures to avoid the generation of fugitive dust emissions. The crusher should be covered from three sides to prevent dust propagation. Fog Cannon / Mist sprayers shall be installed at the crusher to mitigate fugitive dust emission.	Complied	We have installed the air pollution control equipment's as bag filters, Water sprinkler, water fogger, mist sprayers etc. to control the fugitive dust emission.
1.19	Specific condition	The Project Proponent should adopt the proper mitigation measures as proposed under EMP. The adoption of mitigation measures and monitoring of the same as proposed in the EMP shall be done under the supervision of the qualified environmental personnel. The implementation status of the same shall be submitted to the Ministry's Regional Office.	Being Complied	Noted and agreed

1.20	Specific condition	The Project Proponent should establish an in-house (at project site) environment laboratory for measurement of environmental parameters with respect to air quality and water (surface and ground). A dedicated team to oversee environment management shall be set up at the site, which should comprise Environment Engineers, Laboratory chemist, and staff for monitoring of air, water quality parameters on a routine basis, instead of engaging environment monitoring laboratories/consultants. Any non-compliance or infringement should be reported to the concerned authority.	Being Comply	For the mine's environmental compliance, we utilize the fully operational, centralized Environment Management Cell and laboratory at our associated plant premises in Nimbahera and Mangrol. Through this integrated infrastructure, our dedicated team of engineers and chemists conducts routine, in-house Environmental Monitoring & analysis.
1.21	Specific condition	The Project Proponent shall conduct a third-party audit of compliance with EC conditions at an interval of one year, and its report shall be submitted to the concerned Regional office of MoEF&CC.	Agreed to Comply	Agreed to Comply
1.22	Specific condition	The Project Proponent shall ensure the survival rate of 95% for planting the gap plantation and new plantation (2500/ha). The Project Proponent shall make the actual count on the saplings planted and their survival rate, and in case of failure of achieve of 95% survival rate, an action plan for achieving the target survival rate shall be submitted to the Ministry's Regional Office. PP shall make provision for drip irrigation to conserve water. PP should plant fruit-bearing trees along with allied species within the ML area.	Being Complied	A systematic plantation drive has been carried out within the Mines area, the plantation includes a mix of local native species (such as Boganvelia, kaner, Karanj, Kachnaar, Sheesham, Neem, Anwla, Ashoka, etc.) to support the local ecosystem and achieve 95% survival rate.
1.23	Specific condition	To address the concerns raised by the public in the earlier public hearing, PP should complete its public hearing	Being Complied	Various community-focused activities addressing public concerns have already been completed. Regular maintenance of these assets is being conducted, and record is being maintained.

		commitments within 3 years. PP shall comply with all action plans made for public hearing concerns and make regular maintenance, and record the progressive activity outcomes. The Project proponent shall ensure that the activities proposed under the public hearing are different from the CSR activities.												
1.24	Specific condition	The Project Proponent needs to provide a good quality drinking water supply to the people living in the village Maliakhera, free of cost.	Being Complied	Drinking water tanker will be supplied to all nearby villages as and when required. Already 3 Nos. of tankers are deputed for supplying of drinking. Rs. 3.0 Lakh per annum is allotted for drinking water supply.										
1.25	Specific condition	The Project Proponent shall provide the rainwater harvesting structure at the mine offices to recharge the groundwater.	Complied	To augment the water resources, rainwater harvesting is done and stored in lower most benches of mine pit.										
1.26	Specific condition	The Project Proponent shall also organize an employment-based apprenticeship/ internship training program every year with an appropriate stipend for the youth and other programs to enhance the skills of the local people. PP needs to provide financial assistants to the eligible villagers for Engineering/ Medical/ Diploma/ ITI courses.	Complied	Complying With.										
1.27	Specific condition	The Project Proponent should periodically monitor and maintain the health records of the mine workers digitally before mining operations, at the time of operation of the mine, and post mining operations. Regular surveillance shall be carried out through regular occupational health checkups every year for mine workers. PP shall also organize a medical camp for the benefit of the local people and also	Being Complied	<ul style="list-style-type: none"> Periodical medical examination of workmen is being carried out. Details of medical examination carried out for the period: October 2025 to March 2026 is given below and report is enclosed as Annexure-13. <table border="1"> <thead> <tr> <th>Particular</th> <th>Medical Exam. Carried out (in Nos.)</th> </tr> </thead> <tbody> <tr> <td>No. of persons examined</td> <td>2</td> </tr> <tr> <td>Initial Medical Examination</td> <td>1</td> </tr> <tr> <td>Periodical Medical Examination</td> <td>1</td> </tr> <tr> <td>Disease observed</td> <td>Nil</td> </tr> </tbody> </table>	Particular	Medical Exam. Carried out (in Nos.)	No. of persons examined	2	Initial Medical Examination	1	Periodical Medical Examination	1	Disease observed	Nil
Particular	Medical Exam. Carried out (in Nos.)													
No. of persons examined	2													
Initial Medical Examination	1													
Periodical Medical Examination	1													
Disease observed	Nil													

		monitor the health impacts due to mining activity.		
1.28	Specific condition	The mobile water tankers and permanent dust suppression system should be used/installed in the ML area for dust suppression and control. A logbook of water tankers should be maintained, mentioning running hours, kilometer reading, and maintenance hours of water tankers for each shift. PP may explore using non-toxic chemicals for dust suppression in order to reduce the total water requirement.	Complied	<ul style="list-style-type: none"> • We have deployed two nos. of mobile water tankers of 18 KL and 10 KL capacity for regular water sprinkling on the haul roads to prevent dust generation during transportation of limestone through dumpers. • Water tankers have also been equipped with high pressure jet systems to wet the blasted muck for suppression the fugitive dust emission during loading activity. • Permanent water sprinklers have been installed on the crusher ramp 
1.29	Specific condition	PP needs to install the ETP/Oil & grease trap within the ML area. Record of oil withdrawn from oil & grease trap shall be kept and copy sent to RO, MoEF&CC in six-monthly compliance report.	Complied	A fully operational ETP with an Oil & Grease trap is active within the ML workshop, While the quantity of accumulated oil is negligible due to highly optimized processes, photographs of installed ETP has been enclosed as Annexure – 5 .
1.30	Specific condition	The Project Proponent should take adequate measures to prevent the fly rock from falling onto the nearby habitations and also the Project Proponent needs to set up a permanent monitoring in the nearby village to monitor the blast-induced ground vibration and air overpressure.	Being Comply	Noted and Agreed., Mining has been carried out as per approved mining plan. we practice strictly controlled blasting using optimized design parameters, proper stemming, and NONEL (Non-Electric) sequential delay detonators and monitor and record blast-induced ground vibration (PPV) and air overpressure, ensuring all readings remain well within DGMS permissible limits.
1.31	Specific condition	The Project Proponent needs to reduce the dependency on the groundwater, surface water (water from rivers, etc.),	Being Complied	Unit has been reducing dependency on the groundwater and using surface water from mine pit for day to day water needs.

		and shall construct a water reservoir within the lease area for meeting its day-to-day water needs. An implementation report in this regard needs to be submitted to the Ministry's Regional Office.		
1.32	Specific condition	The mining lease holders shall, after ceasing mining operations, undertake regressing 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 the growth of fodder, flora, fauna, etc. The implementation report of the above-mentioned condition shall be submitted to the Ministry's Regional Office.	Complied	Agreed, reclamation of waste dump will be done as per the approved mining plan cum progressive mine closure plan.
1.33	Specific condition	Approval/permission of the CGWA/SGWA shall be obtained before drawing groundwater for the project activities, if applicable	Complied	Obtained NOC for ground water withdrawal for Plant & Mines from CGWA vide letter No.: CGWA/NOC/MIN/REN/1/2025/11652.
1.34	Specific condition	PP needs to comply with the OM dated 24.07.2024 of MoEFCC, wherein it is stated that the plantation of saplings shall be carried out in the earmarked 33% greenbelt area as part of the tree plantation campaign "EK Ped Ma Ke Naam" (एकपेड़माँके नाम) and the details of the same shall be uploaded in the MeriLife portal(https://merilife.nic.in).	Being Complied	Total Mine Lease Area and Cumulative Plantation Status: The total mine lease area is 315.409 hectares. Cumulatively, saplings have been planted to date across all areas (periphery, safety zone, outside lease etc.). This cumulative plantation Upto FY 2025-26 is 109269 Nos.
1.35	Specific condition	PP shall ensure that all types of plastic waste generated from the mines shall be stored separately in an isolated area and disposed of strictly adhering to the Plastic Waste Management Rules 2016. In pursuance of the Ministry's OM dated 18.07.2022. PP shall also create awareness among the people working in	Complied	We have conducted awareness program for employees/Workers, stakeholders and to the society in nearby villages. Photographs enclosed as Annexure – 18.

		the project area as well as in its surrounding area, on the ban on Single Use Plastic (SUP) in order to ensure compliance with the Ministry's Notification published by the Ministry on 12.08.2021.																																	
1.36	Specific condition	PP needs to carry out slope stability analysis every five years or as per the instructions/ suggestions of DGMS	Complied	Agree to comply.																															
1.37	Specific condition	Catch drains, Siltation ponds & retaining wall all around the dumps should be constructed to collect run off rain water of catchment area. PP should ensure that no silt flows outside lease area. PP needs to monitor and maintain records of quality of water leaving the mine lease area	Being Complied	<p>To collect run off water from subgrade dump, garland drain, and siltation pit has been constructed.</p> <p>Details are given below:</p> <table border="1"> <thead> <tr> <th>Catch drain / Garland drain</th> <th>Dimensions</th> </tr> </thead> <tbody> <tr> <td>West side of mine pit</td> <td>Length -- 1446 m, Width – 1.5 m Depth -- 1.0 m</td> </tr> <tr> <td>Around Subgrade dump</td> <td>Length – 644 m Width – 1.0 m Depth -- 1.0 m</td> </tr> </tbody> </table> <p>Constructed three siltation pits with dimension as given below: -</p> <table border="1"> <thead> <tr> <th>S. N.</th> <th>Length (M)</th> <th>Width (M)</th> <th>Depth (M)</th> <th>Capacity (M3)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>15</td> <td>14</td> <td>2.45</td> <td>514.5</td> </tr> <tr> <td>2.</td> <td>20</td> <td>17</td> <td>2.2</td> <td>748</td> </tr> <tr> <td>3.</td> <td>17.40</td> <td>15.5</td> <td>1.30</td> <td>350.61</td> </tr> <tr> <td colspan="4">Total</td> <td>1613.11</td> </tr> </tbody> </table>	Catch drain / Garland drain	Dimensions	West side of mine pit	Length -- 1446 m, Width – 1.5 m Depth -- 1.0 m	Around Subgrade dump	Length – 644 m Width – 1.0 m Depth -- 1.0 m	S. N.	Length (M)	Width (M)	Depth (M)	Capacity (M3)	1	15	14	2.45	514.5	2.	20	17	2.2	748	3.	17.40	15.5	1.30	350.61	Total				1613.11
Catch drain / Garland drain	Dimensions																																		
West side of mine pit	Length -- 1446 m, Width – 1.5 m Depth -- 1.0 m																																		
Around Subgrade dump	Length – 644 m Width – 1.0 m Depth -- 1.0 m																																		
S. N.	Length (M)	Width (M)	Depth (M)	Capacity (M3)																															
1	15	14	2.45	514.5																															
2.	20	17	2.2	748																															
3.	17.40	15.5	1.30	350.61																															
Total				1613.11																															
1.38	Specific condition	PP needs monitor water consumption by means of flow meters and record of the same should be maintained on regular basis. PP also should reduce water consumption by regular monitoring at by 10% from present level.	Agree to Comply	Noted and Agreed.																															
1.39	Specific condition	All other terms and conditions mentioned in the EC letter dated 19.08.2021, remains unchanged.	Being Complied	Being Complied.																															
1. Statutory Compliance																																			
1.1	Statutory Compliance	The State Government concerned shall ensure that mining operation shall not be commenced till the entire compensation levied, if any, for illegal	Complied	Noted and Agreed.																															

		mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of Judgment 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.		
1.2	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	EC copy had been submitted to concern Panchayat, Zila Parishad, DIC Office, District Collector, SDM Office vide letter No.:839-841 dated 13/10/2025. Receipt copy has been enclosed as Annexure – 8 .
1.3	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 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 (www.parivesh.nic.in). A copy of the advertisement may be forwarded to the concerned MoEFCC Regional Office for compliance and record.	Complied	EC granted information published in two local newspapers i.e.: Dainik Bhasker and Rajasthan Patrika on 07/10/2025 and proof of the same has been enclosed as Annexure – 9 .
1.4	Statutory Compliance	State Pollution Control Board/Committee shall be responsible for display of this EC letter at its Regional office, District Industries Centre and Collector's office/ Tehsildar's Office for 30 days.	Complied	Noted
1.5	Statutory Compliance	This Environmental Clearance (EC) is subject to orders/ judgment of Honble	Complied	Noted and Agreed.

		Supreme Court of India, Honble High Court, Honble NGT and any other Court of Law, Common Cause Conditions as may be applicable.		
1.6	Statutory Compliance	The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.	Being Complied	Obtained NOC for ground water withdrawal for Plant & Mines from CGWA vide letter No.: CGWA/NOC/MIN/REN/1/2025/11652
1.7	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. PP needs to apply for transfer of EC as per provisions of the para 11 of EIA Notification, 2006 as amended from time to time.	Agree to Comply	Noted and Agreed.
1.8	Statutory Compliance	The Project proponent complies with all the statutory requirements and judgment 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 before commencing the mining operations.	Complied	Noted and Agreed.
1.9	Statutory Compliance	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.	Complied	Not applicable
1.10	Statutory Compliance	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water	Being Complied	Unit has obtained the CTE & CTO from RSPCB: CTE granted by RSPCB vide letter No.: F (Tech)/RSPCB/150004/263530, order number 2025-26/Chittorgarh/Consent/203084 dated 20.11.2025

		(Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.		CTO granted vide file No: F (Tech)/RSPCB/150004/263530, order number 2025-26/Chittorgarh/Consent/206476 dated 11.02.2026
1.11	Statutory Compliance	The Project Proponent shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-IA.II (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."	Being Complied	Unit has taken the following measures to reduces the impact of mining activities on habitations: - 1. Garland drain constructed, 2. Siltation pond facilitated, 3. Regular water spray on haul road is being done, 4. Mask light is being kept in off mode during night period, 5. Control blasting has been implemented, 6. Company owns road used for limestone transportation, and 7. Carried out dense plantation.
1.12	Statutory Compliance	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.	Being Complied	Unit has been obtained Hazardous waste Authorization for Cement Plant and its associated mines vide letter No. F (HSW)/Chittorgarh (Nimbahera)/20(1)/2022-2023/2317-231, Dated 06/10/2025 valid up to 30/06/2029.
1.13	Statutory Compliance	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).	Being Complied	A Combined Wildlife Conservation Plan (WLCP) has been prepared for 5 Nos. of captive Limestone Mines and 2 Nos. of Integrated Cement Plant of J K Cement Ltd located within 10 Km radius in Tehsil Nimbahera, Chittorgarh District. The Wildlife Conservation Plan has been forwarded by the DFO - Chittorgarh to Divisional Chief Conservator of Forest vide letter No.: F(5) Survey/UVS/2021-22/4089 dated 13.07.2021 with a total implementation cost of INR 285.30 lakhs for 10 years. The approved plan is being implemented by the State Forest Department. An amount of INR 57.07 Lakh has already been deposited to the Rajasthan Forest Department as per demand note issued by the DFO - Chittorgarh in July-2021.
1.14	Statutory Compliance	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Complied	Not Applicable

2. General Condition

2.1	General Condition	The Project Proponent shall make necessary alternative arrangements 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 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.	Complied	<ul style="list-style-type: none"> • The mining lease was executed on 13.12.1984. At the time of renewal of Mine lease, the Department of Mines and Geology corrected the error of Mining lease area by reducing from 320 Ha to 315.409 Ha. Through digital demarcation having 77 Ha. Grazing land. The orders of Hon'ble Supreme Court 2006 are not applicable as the lease was allocated prior to 2006. • Permission for working on grazing land has been granted by District Authorities vide District Collectors letter No. Rajasva/ Khanan/NOC/12-12(41)03/1799 dated 12.10.2006, Rajasva/Khanan/NOC/12-12(40)03/1800 dated 12.10.2006 and vide letter No.: Prakaran No./Re.Vi./4/88 dated 10.05.1989.
2.2	General Condition	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 provision shall be made for protection and care of trees.	Complied	There is no proposal of backfilling as per approved mining plan.
3. Air Quality Monitoring And Preservation				
3.1	Air Quality Monitoring And Preservation	The Project Proponent shall install a minimum of 3 (three) online Ambient Air Quality Monitoring Stations with 1	Complied	Three (03) nos. of CAAQMS have been installed all along the mine lease boundary: - 1. Near Magazine towards Village Falwa & Peer Khera.

		<p>(one) in upwind and 2 (two) in downwind direction based on long term climatological data about wind direction such that an angle of 120° is made between the monitoring locations to monitor critical parameters, relevant for mining operations, of air pollution viz. PM10, PM2.5, NO2, CO and SO2 etc. as per the methodology mentioned in NAAQS Notification No. B29016/20/90/PCI/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.</p>		<p>2. Mine Office towards Village Karunda, Pipaliya and Maliakhera. 3. Towards Village Charlia (Common for Karunda mine and Maliakhera mine). Digital display board has been provided at Mine Office. CAAQMS data has been uploaded on CPCB and RSPCB portals.</p>
3.2	Air Quality Monitoring And Preservation	<p>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 wherein high levels of PM10 and PM2.5 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 equipments/ machineries and preventive maintenance. Use of suitable water-soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that air pollution level conform to the standards prescribed by</p>	Being Complied	<p>Following safeguard measures taken for prevention of dust generation: -</p> <ul style="list-style-type: none"> • Regular water sprinkling is being done on haul roads and water sprinkling system has been provided at the unloading point to control the fugitive emission. • Air pollution control equipment's like bag filters, dry fogging system has been installed at crusher to avoid generation of dust while crushing the limestone. • Ambient air quality monitoring is being carried out on a regular basis by NABL accredited laboratory. • Detail Ambient air quality and fugitive emission monitoring reports for the period: October 2025 to March, 2026, are enclosed as Annexure-1 and Annexure-2, respectively.

		the MoEFCC/ Central Pollution Control Board.		
3.3	Air Quality Monitoring And Preservation	The project proponent uses leak proof trucks/dumpers carrying ore and other raw materials and cover them with tarpaulin.	Being Complied	Noted and Agreed
3.4	Air Quality Monitoring And Preservation	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	Complied	Appropriate Air Pollution Control system has been installed to all dust generating points.
3.5	Air Quality Monitoring And Preservation	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.	Complied	Stock piles not maintained at Mines site, it is being maintained in plant location which is covered with wind breaking fence/ Wall and also water spraying system available for fugitive dust emission
3.6	Air Quality Monitoring And Preservation	The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.	Complied	Complying with, continuous Air quality monitoring station is being connected to RSPCB & CPCB Portal with 24x7 data transmission system, report of monthly manually monitoring of stack by NABL accredited Lab for the period: October -2025 to March - 2026 is enclosed as Annexure-3 , manual AAQ monitoring report is enclosed as Annexure – 1 , manual fugitive monitoring report is enclosed as Annexure – 2 .
3.7	Air Quality Monitoring And Preservation	Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, Oil Cellars.	Complied	Not Applicable.
3.8	Air Quality Monitoring And Preservation	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognised under Environment (Protection) Act, 1986. 9) The project proponent shall install system to carryout Continuous Ambient Air Quality monitoring for	Being Complied	Fugitive emission monitoring reports for the period: October -2025 to March - 2026 is enclosed as Annexure - 2 .

		common/criterion parameters relevant to the main pollutants released (e.g., PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to S02 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120 each). covering upwind and downwind directions.		
3.9	Air Quality Monitoring And Preservation	The project proponent shall install system to carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g., PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to S02 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120 each).covering upwind and downwind directions.	Being Complied	Complying With.
3.10	Air Quality Monitoring And Preservation	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories. Monitor fugitive emissions in the plant premises.	Being Complied	Complying with, continuous Air quality monitoring station is being connected to RSPCB & CPCB Portal with 24x7 data transmission system, report of monthly manually monitoring of stack by NABL accredited Lab for the period: October -2025 to March - 2026 is enclosed as Annexure - 3 .

4. Water Quality Monitoring And Preservation

4.1	Water Quality Monitoring And Preservation	Industrial waste water (workshop and waste water 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 its initial passage through Oil and grease trap.	Being Complied	Unit has installed ETP & Oil grease trap for the treatment of workshop water, analysis report of treated water has been enclosed as Annexure - 4
4.2	Water Quality Monitoring And Preservation	The Project Proponent shall undertake regular monitoring of natural water course/ water resources/ springs and perennial nallahs existing/ flowing in and around the mine lease including upstream and downstream. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. 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 operations without justification and prior approval of MoEFCC. The monitoring of water courses/ bodies existing in 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 be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Central Ground Water Board, State Pollution Control Board and	Being Complied	<ul style="list-style-type: none"> • The unit is monitoring the ground water quality on a quarterly basis i.e.: Pre-monsoon (April-May), Monsoon (August), Post-monsoon (November) and Winter (January) by deploying NABL accredited Laboratory. • Detail ground water quality analysis report for the period Pre-monsoon and monsoon season are enclosed as Annexure - 6.

		Central Pollution Control Board. Clearly showing the trend analysis on six-monthly basis		
4.3	Water Quality Monitoring And 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 runoff 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.	Being Complied	<ul style="list-style-type: none"> • There is no wastewater generation from the Limestone mining operation. • However, waste water is being generating during HEMM vehicle washing & treatment is being done as per guidelines and treated water is being reused for dust suppression. The quality of water is being analyzed by NABL accredited Lab and report attached as annexure - 4. • Mine Key Parameter data has been uploaded at www.jkcement.com/environmental-compliance as per notification as well as displayed at mine office.
4.4	Water Quality Monitoring And Preservation	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	Complied	Not applicable
4.5	Water Quality Monitoring And Preservation	Project Proponent shall plan, develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground Water Board/ State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional Office MoEFCC annually.	Being Complied	To augment the water resources, rainwater harvesting is done and stored in lower most benches of mine pit.
4.6	Water Quality Monitoring And Preservation	The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of	Being Complied	<ul style="list-style-type: none"> • The unit is monitoring the ground water quality on a quarterly basis i.e.: Pre-monsoon (April-May), Monsoon (August), Post-monsoon (November) and Winter (January) by deploying NABL accredited Laboratory.

		piezometers/sampling wells in the plant and adjacent areas through labs recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.		<ul style="list-style-type: none"> • Detail ground water quality analysis report for the period Pre- monsoon and monsoon season are enclosed as <u>Annexure - 6.</u>
4.7	Water Quality Monitoring And Preservation	The project proponent shall provide the slime disposal facility with impervious lining and collection wells for seepage. The water collected from the slime pond shall be treated and recycled.		
4.8	Water Quality Monitoring And Preservation	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.	Complied	<ul style="list-style-type: none"> • Garland drains with siltation pond have been provided all around the dump. • Sub grade limestone is being stacked in the non-mineralized area for future use, if any technological up gradation takes place.
4.9	Water Quality Monitoring And Preservation	The project proponent shall practice rainwater harvesting to maximum possible extent.	Being Complied	To augment the water resources, rainwater harvesting is done and stored in lower most benches of mine pit.
4.10	Water Quality Monitoring And Preservation	The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.	Being Complied	Utilization of water is being from mine pit for all the mines operations activities like, dust separation, green belt development, etc.
4.11	Water Quality Monitoring And 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 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-monthly basis to the Regional Office of the Ministry, CGWA and State	Complied	<ul style="list-style-type: none"> • Regular monitoring of ground water level and quality is being carried out in and around the mining lease area as per the Environment Management Plan and approved Mining plan by establishing a network of existing wells. • The unit has installed 3 nos. of manual piezometer for periodic measurement & one DWLR (Digital water level Recorder) with telemetry system for online monitoring of ground water level. • Detail ground water level monitoring report for the period: October 2025 to March 2026 is enclosed as <u>Annexure - 7.</u>

		Groundwater Department / State Pollution Control Board.		
4.12		The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.		<ul style="list-style-type: none"> • The unit is monitoring the ground water quality on a quarterly basis i.e.: Pre-monsoon (April-May), Monsoon (August), Post-monsoon (November) and Winter (January) by deploying NABL accredited Laboratory. • Ground water quality analysis report for Pre-Monsoon and Monsoon are enclosed as Annexure - 6. • Monthly manual effluent monitoring report has been enclosed as Annexure - 4.
4.13	Water Quality Monitoring And Preservation	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Complied	We maintain Zero liquid discharge Adhere.
4.14	Water Quality Monitoring And 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 Control Board/Committee.	Being Complied	Complying With
4.15	Water Quality Monitoring And Preservation	Adhere to Zero Liquid Discharge	Being Complied	Complying With
4.16	Water Quality Monitoring And Preservation	In case, immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case, mining operation	Being Complied	Unit has obtained the NOC for Mines Seepage permission from CGWA/NOC/MIN/REN/1/2025/10525.

		involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEFCC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydrogeological study of the area.		
5. Noise And Vibration Monitoring And Prevention				
5.1	Noise And Vibration Monitoring And Prevention	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 laborers 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/ laborers are working without personal protective equipment.	Being Complied	Personnel working on the drills and near the drilling area being provided with a dust mask and other required Personal Protective Equipment (PPE).
5.2	Noise And Vibration Monitoring And Prevention	The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.	Being Complied	<ul style="list-style-type: none"> Blasting operation is being carried out in daytime only. Use of Sequential blasting machine (SBM), Delay detonator, non-electric detonator for blasting and to mitigate vibration. Water injection system on DTH drill has been provided which suppresses dust at its source of generation. Nearest habitation villages Maliakhera and Pipliya-Gadia are at 350m distance. Maximum peak partial velocity was observed 3.427 mm/sec at 300 m distance for the period October 2025 to March 2026. Detail peak particle velocity/vibration monitoring report is enclosed as <u>Annexure-14</u>.
5.3	Noise And Vibration Monitoring And Prevention	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	Being Complied	<ul style="list-style-type: none"> Unit is maintaining the illumination and noise level well within permissible limits during day and night hours. Detail ambient noise level monitoring report for the period October 2025 to March 2026 are enclosed as Annexure – 1.1.

		health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.		
6. Noise Monitoring And Prevention				
6.1	Noise Monitoring And Prevention	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Agreed to Comply	Noted and Agreed.
6.2	Noise Monitoring And Prevention	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.	Being Complied	Complied with. Regular ambient noise level monitoring is being conducted at the mine boundary and nearby sensitive receptors through an MoEF and CC recognized / NABL accredited laboratory. Detailed ambient noise level monitoring report for the period October 2025 to March 2026 are enclosed as Annexure - 1.1 .
7. Energy Conservation Measures				
7.1	Energy Conservation Measures	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;	Complied	solar power generation on roof tops of buildings has been provided
7.2	Energy Conservation Measures	Provide LED lights in their offices and residential areas.	Complied	All office and residential area are provided with LED lights facilities.
8. Mining Plan				
8.1	Mining Plan	The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be governed as per the approved Mining Plan. The excavation vis-à-vis backfilling in the mine lease area and corresponding	Being Complied	Noted and Agreed, Mining has been carried out as per the approved mining plan.

		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 MoEFCC and its concerned Regional Office.		
8.2	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, O.B& 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.)	Being Complied	Noted and Agreed, Mining has been carried out as per the approved mining plan.


9. Land Reclamation

9.1	Land Reclamation	Check dams of appropriate size, gradient and length shall be constructed around mine pit and OB dumps to prevent storm run-off 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 adequate retention time period thereby allowing proper settling of sediments/ silt material. The sedimentation pits/ sumps	Being Complied	<p>Total rainfall in single day (considering 50 mm maximum rainfall): -</p> <ol style="list-style-type: none"> 1. Total rainwater would be available= Subgrade dump (area) X rainfall (m) X Runoff coefficient (20%) - $96600 \text{ m}^2 \times 0.05 \text{ m} \times 0.20 = 966 \text{ m}^3$ 2. Waste stack (area) X rainfall (m) X Runoff coefficient (20%) - $9200 \text{ m}^2 \times 0.05 \text{ m} \times 0.20 = 92 \text{ m}^3$. 3. The storm water is being collected to garland drain from the periphery of the pit area and waste dump area routed to siltation pond. The collected water is being used for plantation and water sprinkling on haul road. 4. Dimensions of the rainwater siltation pits developed in mines area for sedimentation purpose as given below: - <table border="1" style="margin-left: 40px;"> <thead> <tr> <th>S. N.</th> <th>Length (M)</th> <th>Width (M)</th> <th>Depth (M)</th> <th>Capacity</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	S. N.	Length (M)	Width (M)	Depth (M)	Capacity					
S. N.	Length (M)	Width (M)	Depth (M)	Capacity										

		shall be constructed at the corners of the garland drains.		<table border="1"> <tr> <td></td> <td></td> <td></td> <td></td> <td>M3)</td> </tr> <tr> <td>1</td> <td>15</td> <td>14</td> <td>2.45</td> <td>514.5</td> </tr> <tr> <td>2.</td> <td>20</td> <td>17</td> <td>2.2</td> <td>748</td> </tr> <tr> <td>3.</td> <td>17.40</td> <td>15.5</td> <td>1.30</td> <td>350.61</td> </tr> <tr> <td colspan="4">Total</td> <td>1613.11</td> </tr> </table>					M3)	1	15	14	2.45	514.5	2.	20	17	2.2	748	3.	17.40	15.5	1.30	350.61	Total				1613.11						
				M3)																															
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3.	17.40	15.5	1.30	350.61																															
Total				1613.11																															
9.2	Land Reclamation	Catch drains, settling tanks and siltation ponds of appropriate size shall be constructed around the mine working, mineral yards and Top Soil/OB/Waste dumps to prevent run off of water and flow of sediments directly into the water bodies (Nallah/ 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 season, and maintained properly.	Being Complied	<p>To collect run off water from subgrade dump, garland drain, and siltation pit has been constructed.</p> <p>Details are given below:</p> <table border="1"> <thead> <tr> <th>Catch drain / Garland drain</th> <th>Dimensions</th> </tr> </thead> <tbody> <tr> <td>West side of mine pit</td> <td>Length -- 1446 m, Width – 1.5 m Depth -- 1.0 m</td> </tr> <tr> <td>Around Subgrade dump</td> <td>Length – 644 m Width – 1.0 m Depth -- 1.0 m</td> </tr> </tbody> </table> <p>Constructed three siltation pits with dimension as given below: -</p> <table border="1"> <thead> <tr> <th>S. N.</th> <th>Length (M)</th> <th>Width (M)</th> <th>Depth (M)</th> <th>Capacity (M3)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>15</td> <td>14</td> <td>2.45</td> <td>514.5</td> </tr> <tr> <td>2.</td> <td>20</td> <td>17</td> <td>2.2</td> <td>748</td> </tr> <tr> <td>3.</td> <td>17.40</td> <td>15.5</td> <td>1.30</td> <td>350.61</td> </tr> <tr> <td colspan="4">Total</td> <td>1613.11</td> </tr> </tbody> </table>	Catch drain / Garland drain	Dimensions	West side of mine pit	Length -- 1446 m, Width – 1.5 m Depth -- 1.0 m	Around Subgrade dump	Length – 644 m Width – 1.0 m Depth -- 1.0 m	S. N.	Length (M)	Width (M)	Depth (M)	Capacity (M3)	1	15	14	2.45	514.5	2.	20	17	2.2	748	3.	17.40	15.5	1.30	350.61	Total				1613.11
Catch drain / Garland drain	Dimensions																																		
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Total				1613.11																															
9.3	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 adaptation 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 thereby ensuring proper filling/ leveling of dump mass. In critical areas, use of geo textiles/ geo-membranes / clay liners / Bentonite etc. shall be undertaken for stabilization of the dump.	Being Complied	<ul style="list-style-type: none"> Garland drains with siltation pond have been provided all around the dump. Sub grade limestone is being stacked in the non-mineralized area for future use, if any technological up gradation takes place. 																															

9.4	Land Reclamation	The Overburden (O.B.), waste and topsoil generated during the mining operations shall be stacked at earmarked OB dump site(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 guidelines/circulars issued by D.G.M.S. The topsoil shall be used for land reclamation and plantation.	Being Complied	Complying with, mining has been carried out as per approve mining plan.
10. Waste Management				
10.1	Waste Management	Kitchen waste shall be composted or converted to biogas for further use. (to be decided on case to case basis depending on type and size of plant)	Agree to comply	Noted and Agreed.
10.2	Waste Management	The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.	Complied	Waste oil and grease is being disposed of as per hazardous waste & other waste (management & Transboundary Movement) Rules, 2016.
11. Green Belt And Emp				
11.1	Green Belt And Emp	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.	Being Complied	Noted and agreed.
11.2	Green Belt And Emp	Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.	Being Complied	Total Mine Lease Area and Cumulative Plantation Status: The total mine lease area is 315.409 hectares. Cumulatively, saplings have been planted to date across all areas (periphery, safety zone, outside lease etc.). This cumulative planting covers a total area of 46.615 hectares. Recent Plantation Activity (FY 2025-26), a total of 3,785 saplings have been planted up to March 2026. The plantation includes a mix of local native species (such as Boganvelia, kaner, Karanj, Kachnaar, Sheesham, Neem, Anwla, Ashoka, etc.) to support the local ecosystem and achieve 95% survival rate.

12. Transportation				
12.1	Transportation	<p>No Transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. In such cases, PP shall construct a 'bypass' road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt. Department. Transportation of minerals through road movement in case of existing village/ rural roads shall be allowed in consultation with nodal State Govt. Department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. 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 centers. [If applicable in case of road transport].</p>	Being Complied	<ul style="list-style-type: none"> • Blast limestone from mine pit head to existing crusher is being transported through heavy vehicle, where haul road with proper water spray facility has been provided. There is no village road used for the same. • From Crusher to own cement plant, crushed limestone transported through OLBC belt conveyer. • PUC has been obtained for all company vehicles from authorized pollution testing centers and allowed PUC certified vehicles only to control the vehicular emissions, regularly monitored.
12.2	Transportation	<p>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</p>	Being Complied	<ul style="list-style-type: none"> • We have deployed two nos. of mobile water tankers of 18 KL and 10 KL capacity for regular water sprinkling on the haul roads to prevent dust generation during transportation of limestone through dumpers. • Water tankers have also been equipped with high pressure jet systems to wet the blasted muck for suppression the fugitive dust emission during loading activity. <p>Permanent water sprinklers have been installed on the crusher ramp</p>

		<p>zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipments like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.</p>		
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13. Public Hearing And Human Health Issues

13.1	Public Hearing And Human Health Issues	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Being Complied	Pre-employment medical check-up are being carried out considering the parameter as per DGMS.
13.2	Public Hearing And Human Health Issues	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	Being Complied	Noted and Agreed
13.3	Public Hearing And Human Health Issues	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Being Complied	<ul style="list-style-type: none"> • Company has “Zero Harm Goal Policy” and periodically identified the hazards and preventive action are being taken. • The best practices have been implemented to maintain vibration, fly rocks, dust emission, noise level and all parameters are well within the limit. • Mobile medical check-up camps are being organized at all nearby villages for treatment and medicine free of cost.
13.4	Public Hearing And Human Health Issues	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be	Complied	<ul style="list-style-type: none"> • All workers engaged belong to local area and they are living in their own houses, therefore temporary structure/ hutment is not required. • Employees are residing in colony situated at J K Cement Works, Nimbahera (Cement Plant), where all basic facilities are available. • There is no temporary structure/hutment has been constructed.

		removed after the completion of the project.		
13.5	Public Hearing And Human Health Issues	Project Proponent shall make provision for the housing for workers/labors or shall construct labor 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 structures which can be removed after the completion of the project related infrastructure. The domestic waste water should be treated with STP in order to avoid contamination of underground water.	Complied	<ul style="list-style-type: none"> • All workers engaged belong to local area and they are living in their own houses, therefore temporary structure/ hutment is not required. • Employees are residing in colony situated at J K Cement Works, Nimbahera (Cement Plant), where all basic facilities are available. <p>There is no temporary structure/hutment has been constructed.</p>
14. Green Belt				
14.1	Green Belt	The Project Proponent shall develop greenbelt in 7.5m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The whole Green belt shall be developed within 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.	Being Complied	<ul style="list-style-type: none"> • Wide plantation has been done and developed as a greenbelt for maintaining safety zone along with the mines lease boundary. Photograph attached as annexure -15.
15. Corporate Environment Responsibility				
15.1	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	Complied	Please refer to Point no. 1.23

		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.22-65/2017-IA.III dated 30 September, 2020. The action plan shall be implemented within three years of commencement of the project.		
15.2	Corporate Environment Responsibility	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Agree to Comply	Noted.
15.3	Corporate Environment Responsibility	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Mineral Beneficiation plants shall be implemented.	Being Complied	Noted.
15.4	Corporate Environment Responsibility	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.	Complied	Noted and Agreed.
15.5	Corporate Environment Responsibility	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.	Complied	Noted & Agreed.

15.6	Corporate Environment Responsibility	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 I wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	Complied	The company has a well laid down environment policy approved by the management and is enclosed as Annexure – 16.
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16. Miscellaneous

16.1	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.	Complied	Noted.
16.2	Miscellaneous	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	Agreed to Comply	Noted and Agreed.
16.3	Miscellaneous	The project proponent shall monitor the criteria pollutants level namely; PM10, S02, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient	Being Complied	Regular environmental monitoring for ambient air quality, noise levels, water quality, water levels, and ground vibration is being systematically carried out during drilling and blasting operations. To ensure strict compliance with the Environmental Clearance (EC) conditions, monitoring locations have been strategically established at the mine edge, nearest villages, the crusher plant, and other designated sensitive receptors.

		location for disclosure to the public and put on the website of the company.		
16.4	Miscellaneous	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 proponents website permanently.	Complied	EC granted information published in two local newspapers i.e.: Dainik Bhasker and Rajasthan Patrika on 07/10/2025 and proof of the same has been enclosed as Annexure – 9 .
16.5	Miscellaneous	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.	Being Complied	Submitted the Environment Statement Report (ESR) in Form-V for the FY: 2024-25 for Maliakhera Limestone Mines & OLCB to RSPCB Office vide our letter No.: NBH/PC/ESR/2024-25/764, dated 22.09.2025, respectively.
16.6	Miscellaneous	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Complied	Noted and Agreed.
16.7	Miscellaneous	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.	Complied	Noted.
16.8	Miscellaneous	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Complied	Noted and Agreed.

16.9	Miscellaneous	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.	Being Complied	Status of environmental compliances including all monitoring reports has been uploaded at www.jkcement.com/environmental-compliance .
16.10	Miscellaneous	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.	Being Complied	Status of environmental compliances including all monitoring reports has been uploaded at www.parivesh.nic.in .
16.11	Miscellaneous	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.	Complied	Copies of Environment Clearance has been submitted to the Heads of local bodies, Panchayats and Municipal Bodies vide letter Ref No. 839 - 842 & 845 dated 13/10/2025.
16.12	Miscellaneous	The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules 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.	Agreed to comply	Noted and Agreed.
16.13	Miscellaneous	Concealing factual data failure to comply with any or submission of false/ fabricated data and of the conditions mentioned above may result in withdrawal of this clearance and attract	Agreed to comply	Noted and Agreed.

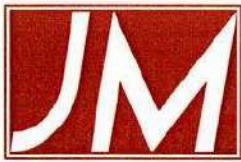
		action under the provisions of Environment (Protection) Act, 1986.		
16.14	Miscellaneous	The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	Agreed to comply	Noted and Agreed.
16.15	Miscellaneous	The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules 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.	Agreed to comply	Noted and Agreed.
16.16	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 Honble Supreme Court on 8.01.2020 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 regrassing 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.	Agreed to Comply	Noted.
16.17	Miscellaneous	The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to concerned Regional Office of the MoEF&CC.	Being Complied	Digital map for land use cover report is completed and is attached as Annexure - 17.

16.18	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.	Agreed to Comply	Noted and Agreed.
16.19	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.	Being Complied	Latest six-monthly compliance reports on the status of the implementation of the stipulated environmental conditions has been submitted to the MoEF&CC, CPCB and RSPCB through email on 27.11.2025 vide our letter No.: NBH/PC-14/C12/2025-26/1001 dated 24.11.2025.
16.20	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.	Agreed to Comply	Noted and Agreed.
16.21	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 Scientists and Mining Engineers shall be appointed and submit a report to RO, MoEF&CC.	Complied	Centralized Environmental management cell has been established under the control of senior executives.
16.22	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 officer(s) by furnishing the requisite data / information / monitoring reports.	Agreed to Complied	Noted and Agreed.

17. Corporate Environment Responsibility (Cer)

17.1	Corporate Environment Responsibility (Cer)	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.22-65/2017-IA.III dated 30 September, 2020. The action plan shall be implemented within three years of commencement of the project.	Being Complied	Please refer to Point no. 1.23.
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Yours Sincerely,
For J. K. Cement Works, Nimbahera
(Maliakhera Limestone Mines)



30 years of success Recognized by CPCB under EP Act-1986, Certified by ISO-9001:2015, 14001:2015 & 45001:2018

TEST REPORT

Sample Number:	JME/JKCW/A/11	Report No.:	JME/A/251113001
Name & Address of Unit:	Maliakhera Limestone Mine, ML No. 04/2003, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)	Format No.:	7.8 F-02
		Party Reference No.:	Nil
		Reporting Date:	17/11/2025
		Analysis Completion Date:	17/11/2025
		Analysis Start Date:	13/11/2025
		Receipt Date:	13/11/2025

Sample Description: **AMBIENT AIR QUALITY MONITORING**

General Information

Client Representative (Name & Designation)	Mr. Chandrakant Tiwari (Sr. Manager)
Sample collected by	JMELPL Team
Sampling Location	Near Mine Office (Maliakhera Mine)
Latitude	24.68997500
Longitude	74.60980556
Instrument used	RDS, FPS & BS
Instrument code	JME/RDS/02/03, JME/FPS/01/14 & JME/BS/01/01
Instrument Calibration Status	Calibrated
Scope of Monitoring	Regulatory Requirement
Meteorological condition during monitoring	Cloudy Sky
Date of Monitoring	10/11/2025 to 11/11/2025
Time of Monitoring	08:36 to 08:50 Hrs.
Duration of Monitoring, (minutes)	1454.0
Ambient Temperature (°C)	Max 30°C, Min 20°C
Surrounding activity	Vehicular Activities & Mine Operations
Control measure if Any	--
Sampling Protocol	JMELPL/STOP/04
Parameter Required	As per work order

TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit	NAAQS
1.	Ammonia	IS: 5182, (Part-25)	14.3	µg/m ³	400 (24 hourly)
2.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m ³	6 (Annual)
3.	Benzene	IS:5182, (Part-11)	BDL (DL 1.0)	µg/m ³	5 (Annual)
4.	Benzo (a) Pyrene	IS:5182, (Part-12)	BDL (DL 0.5)	ng/m ³	1 (Annual)
5.	Carbon Monoxide	IS: 5182, (Part-10)	0.54	mg/m ³	4 (1 hourly)
6.	Lead	IS: 5182, (Part-22)	BDL (DL 0.02)	µg/m ³	1 (24 hourly)
7.	Nickel	IS: 5182, (Part-26)	BDL (DL 1.0)	ng/m ³	20 (Annual)

Page 1 of 2



Reviewed & Authorized by
Sita Ram Yadav

Checked by

Deenak Singh Yadav

Note:

1. This test report pertains solely to the tested sample as received.
2. This report shall not be reproduced without in full.
3. Any discrepancies in this test report must be brought to our attention within 7 days from the date of issue.
4. The sample will be destroyed after the specified retention period unless prior instructions are received.
5. All disputes are subject to the exclusive jurisdiction of Gurugram only.

Reg. Office & Lab.

424, Ground Floor, Udyog Vihar,
Phase-IV, Gurugram-122015 (Haryana)
E-mail: jmenvirolab@hotmail.com | www.jmenvironet.org

Corporate Office

Emaar Digital Greens, Tower-B, Unit No.1517, Golf Course
Ext. Road, Sector-61, Gurugram-122011(Haryana)



J.M. ENVIROLAB PVT. LTD.

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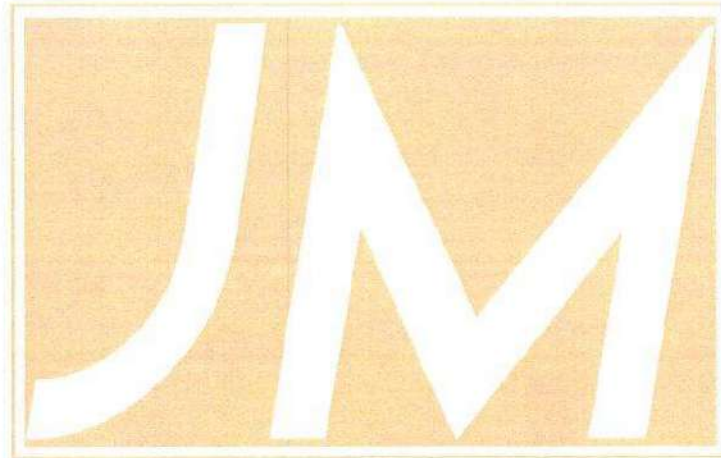
TEST REPORT

Sample Number: **JME/JKCW/A/11**


Report No.: **JME/A/251113001**

S. No.	Test Parameter	Test Method	Result	Unit	NAAQS
8.	Nitrogen Dioxide (NO ₂)	IS: 5182, (Part-6)	7.9	µg/m ³	80 (24 hourly)
9.	Ozone	IS: 5182, (Part-9)	12.1	µg/m ³	180 (1 hourly)
10.	PM ₁₀	IS:5182, (Part-23)	66.3	µg/m ³	100 (24 hourly)
11.	PM _{2.5}	IS:5182, (Part-24)	31.7	µg/m ³	60 (24 hourly)
12.	Sulphur Dioxide (SO ₂)	IS: 5182, (Part-2) Sec 1	6.5	µg/m ³	80 (24 hourly)

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



Page 2 of 2


 Checked by
 Deepak Singh Yadav


 Reviewed & Authorized by
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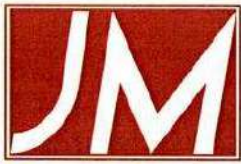
Reg. Office & Lab.

424, Ground Floor, Udyog Vihar,
Phase-IV, Gurugram-122015 (Haryana)
E-mail: jmenvirolab@hotmail.com | www.jmenvironet.org

Corporate Office

Emaar Digital Greens, Tower-B, Unit No.1517, Golf Course
Ext. Road, Sector-61, Gurugram-122011(Haryana)

End of Report



J.M. ENVIROLAB PVT. LTD.

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TEST REPORT

Sample Number: **JME/JKCWA/12** Report No.: **JME/A/251113002**
 Name & Address of Unit: **Maliakhera Limestone Mine, ML No. 04/2003, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)** Format No.: **7.8 F-02**
 Party Reference No.: **Nil**
 Reporting Date: **17/11/2025**
 Analysis Completion Date: **17/11/2025**
 Analysis Start Date: **13/11/2025**
 Receipt Date: **13/11/2025**

Sample Description: **AMBIENT AIR QUALITY MONITORING**

General Information

Client Representative (Name & Designation)

Mr. Chandrakant Tiwari (Sr. Manager)

Sample collected by

JMELPL Team

Sampling Location

Near Ravana Office (Maliakhera Mine)

Latitude

24.69030278

Longitude

74.61208889

Instrument used

RDS, FPS & BS

Instrument code

JME/RDS/02/08, JME/FPS/01/34 & JME/BS/01/02

Instrument Calibration Status

Calibrated

Scope of Monitoring

Regulatory Requirement

Meteorological condition during monitoring

Cloudy Sky

Date of Monitoring

10/11/2025 to 11/11/2025

Time of Monitoring

09:15 to 09:30 Hrs.

Duration of Monitoring, (minutes)

1454.0

Ambient Temperature (°C)

Max 30°C, Min 20°C

Surrounding activity

Vehicular Activities & Mine Operations

Control measure if Any

--

Sampling Protocol

JMELPL/STOP/04

Parameter Required

As per work order

TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit	NAAQS
1.	Ammonia	IS: 5182, (Part-25)	16.8	µg/m ³	400 (24 hourly)
2.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m ³	6 (Annual)
3.	Benzene	IS:5182, (Part-11)	BDL (DL 1.0)	µg/m ³	5 (Annual)
4.	Benzo (a) Pyrene	IS:5182, (Part-12)	BDL (DL 0.5)	ng/m ³	1 (Annual)
5.	Carbon Monoxide	IS: 5182, (Part-10)	BDL (DL 0.5)	mg/m ³	4 (1 hourly)
6.	Lead	IS: 5182, (Part-22)	BDL (DL 0.02)	µg/m ³	1 (24 hourly)
7.	Nickel	IS: 5182, (Part-26)	BDL (DL 1.0)	ng/m ³	20 (Annual)

Page 1 of 2



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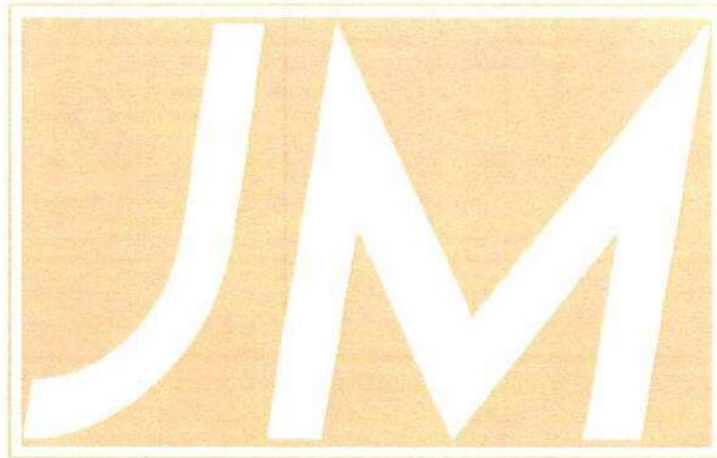
TEST REPORT

Sample Number: **JME/JKCW/A/12**

Report No.: **JME/A/251113002**

S. No.	Test Parameter	Test Method	Result	Unit	NAAQS
8.	Nitrogen Dioxide (NO ₂)	IS: 5182, (Part-6)	18.4	µg/m ³	80 (24 hourly)
9.	Ozone	IS: 5182, (Part-9)	13.1	µg/m ³	180 (1 hourly)
10.	PM ₁₀	IS:5182, (Part-23)	62.8	µg/m ³	100 (24 hourly)
11.	PM _{2.5}	IS:5182, (Part-24)	30.2	µg/m ³	60 (24 hourly)
12.	Sulphur Dioxide (SO ₂)	IS: 5182, (Part-2) Sec 1	6.9	µg/m ³	80 (24 hourly)

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



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End of Report



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TEST REPORT

Sample Number:	JME/JKCW/A/13	Report No.:	JME/A/251113003
Name & Address of Unit:	Maliakhera Limestone Mine, ML No. 04/2003, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)	Format No.:	7.8 F-02
		Party Reference No.:	Nil
		Reporting Date:	17/11/2025
		Analysis Completion Date:	17/11/2025
		Analysis Start Date:	13/11/2025
		Receipt Date:	13/11/2025

Sample Description: **AMBIENT AIR QUALITY MONITORING**

General Information

Client Representative (Name & Designation)

Sample collected by

Sampling Location

Latitude

Longitude

Instrument used

Instrument code

Instrument Calibration Status

Scope of Monitoring

Meteorological condition during monitoring

Date of Monitoring

Time of Monitoring

Duration of Monitoring, (minutes)

Ambient Temperature (°C)

Surrounding activity

Control measure if Any

Sampling Protocol

Parameter Required

Mr. Chandrakant Tiwari (Sr. Manager)

JMELPL Team

Pipaliya Gadia village

24.69062778

74.61704444

RDS, FPS & BS

JME/RDS/01/29, JME/FPS/01/07 & JME/BS/01/04

Calibrated

Regulatory Requirement

Cloudy Sky

10/11/2025 to 11/11/2025

10:45 to 11:00 Hrs.

1454.0

Max 31°C, Min 26°C

Vehicular Activities & Mine Operations

--

JMELPL/STOP/04

As per work order

TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit	NAAQS
1.	Ammonia	IS: 5182, (Part-25)	18.3	µg/m ³	400 (24 hourly)
2.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m ³	6 (Annual)
3.	Benzene	IS:5182, (Part-11)	BDL (DL 1.0)	µg/m ³	5 (Annual)
4.	Benzo (a) Pyrene	IS:5182, (Part-12)	BDL (DL 0.5)	ng/m ³	1 (Annual)
5.	Carbon Monoxide	IS: 5182, (Part-10)	BDL (DL 0.5)	mg/m ³	4 (1 hourly)
6.	Lead	IS: 5182, (Part-22)	BDL (DL 0.02)	µg/m ³	1 (24 hourly)
7.	Nickel	IS: 5182, (Part-26)	BDL (DL 1.0)	ng/m ³	20 (Annual)

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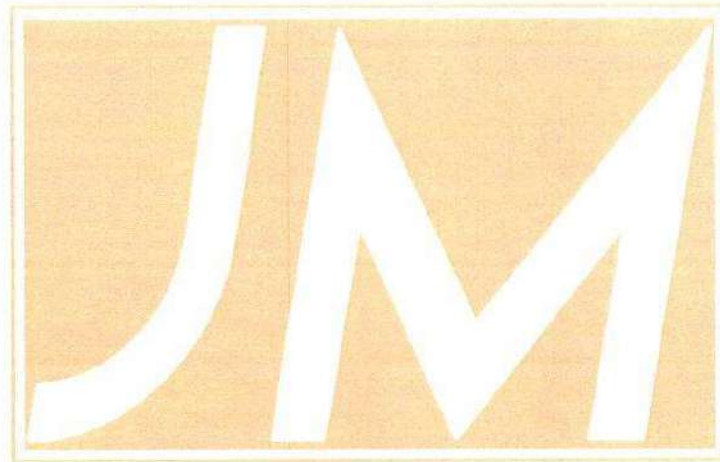
TEST REPORT

Sample Number: **JME/JKCW/A/13**

Report No.: **JME/A/251113003**

S. No.	Test Parameter	Test Method	Result	Unit	NAAQS
8.	Nitrogen Dioxide (NO ₂)	IS: 5182, (Part-6)	8.5	µg/m ³	80 (24 hourly)
9.	Ozone	IS: 5182, (Part-9)	8.3	µg/m ³	180 (1 hourly)
10.	PM ₁₀	IS:5182, (Part-23)	59.4	µg/m ³	100 (24 hourly)
11.	PM _{2.5}	IS:5182, (Part-24)	27.8	µg/m ³	60 (24 hourly)
12.	Sulphur Dioxide (SO ₂)	IS: 5182, (Part-2) Sec 1	4.5	µg/m ³	80 (24 hourly)

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



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****End of Report****



TEST REPORT

Sample Number: **JME/JKCW/A/14** Report No.: **JME/A/251113004**
 Name & Address of Unit: **Maliakhera Limestone Mine, ML No. 04/2003, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)** Format No.: **7.8 F-02**
 Party Reference No.: **Nil**
 Reporting Date: **17/11/2025**
 Analysis Completion Date: **17/11/2025**
 Analysis Start Date: **13/11/2025**
 Receipt Date: **13/11/2025**

Sample Description: **AMBIENT AIR QUALITY MONITORING**

General Information

Client Representative (Name & Designation)

Mr. Chandrakant Tiwari (Sr. Manager)

Sample collected by

JMELPL Team

Sampling Location

Maliakhera Village

Latitude

24.68415278

Longitude

74.60361389

Instrument used

RDS, FPS & BS

Instrument code

JME/RDS/02/02, JME/FPS/01/13 & JME/BS/01/03

Instrument Calibration Status

Calibrated

Scope of Monitoring

Regulatory Requirement

Meteorological condition during monitoring

Cloudy Sky

Date of Monitoring

10/11/2025 to 11/11/2025

Time of Monitoring

09:40 to 10:00 Hrs.

Duration of Monitoring, (minutes)

1459.0

Ambient Temperature (°C)

Max 30°C, Min 20°C

Surrounding activity

Vehicular Activities & Mine Operations

Control measure if Any

--

Sampling Protocol

JMELPL/STOP/04

Parameter Required

As per work order

TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit	NAAQS
1.	Ammonia	IS: 5182, (Part-25)	17.3	µg/m ³	400 (24 hourly)
2.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m ³	6 (Annual)
3.	Benzene	IS:5182, (Part-11)	BDL (DL 1.0)	µg/m ³	5 (Annual)
4.	Benzo (a) Pyrene	IS:5182, (Part-12)	BDL (DL 0.5)	ng/m ³	1 (Annual)
5.	Carbon Monoxide	IS: 5182, (Part-10)	0.57	mg/m ³	4 (1 hourly)
6.	Lead	IS: 5182, (Part-22)	BDL (DL 0.02)	µg/m ³	1 (24 hourly)
7.	Nickel	IS: 5182, (Part-26)	BDL (DL 1.0)	ng/m ³	20 (Annual)

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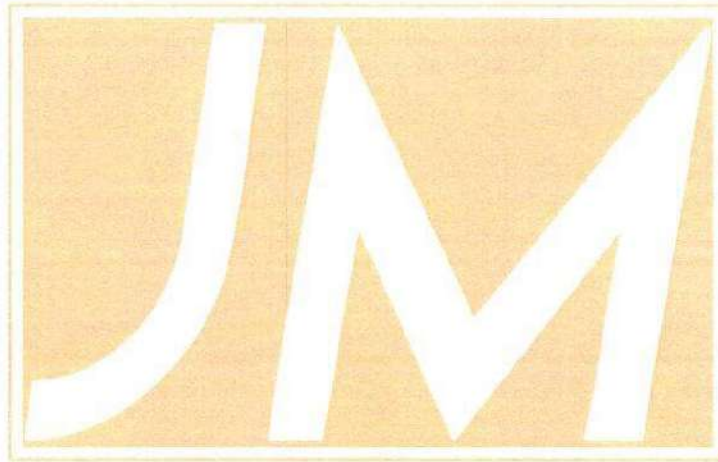
TEST REPORT

Sample Number: **JME/JKCW/A/14**

Report No.: **JME/A/251113004**

S. No.	Test Parameter	Test Method	Result	Unit	NAAQS
8.	Nitrogen Dioxide (NO ₂)	IS: 5182, (Part-6)	14.3	µg/m ³	80 (24 hourly)
9.	Ozone	IS: 5182, (Part-9)	11.7	µg/m ³	180 (1 hourly)
10.	PM ₁₀	IS:5182, (Part-23)	60.4	µg/m ³	100 (24 hourly)
11.	PM _{2.5}	IS:5182, (Part-24)	28.6	µg/m ³	60 (24 hourly)
12.	Sulphur Dioxide (SO ₂)	IS: 5182, (Part-2) Sec 1	7.2	µg/m ³	80 (24 hourly)

Note: 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: **JME/JKCW/A/11** Report No.: **JME/A/260211001**
 Name & Address of Unit: **Maliakhera Limestone Mine, ML No. 04/2003, M/s J.K. Cement Works, Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)** Format No.: **7.8 F-02**
 Party Reference No.: **Nil** Reporting Date: **14/02/2026**
 Analysis Completion Date: **14/02/2026** Analysis Start Date: **11/02/2026**
 Receipt Date: **11/02/2026**

Sample Description: **AMBIENT AIR QUALITY MONITORING**

General Information

Client Representative (Name & Designation)

Sample collected by

Sampling Location

Latitude

Longitude

Instrument used

Instrument code

Instrument Calibration Status

Scope of Monitoring

Meteorological condition during monitoring

Date of Monitoring

Time of Monitoring

Duration of Monitoring, (minutes)

Ambient Temperature (°C)

Surrounding activity

Control measure if Any

Sampling Protocol

Parameter Required

Mr. Chandrakant Tiwari (Sr. Manager)

JMELPL Team

Near Mine Office (Maliakhera Mine)

24.68997500

74.60980556

RDS, FPS & BS

JME/RDS/02/03, JME/FPS/01/14 & JME/BS/01/01

Calibrated

Regulatory Requirement

Cloudy Sky

09/02/2026 to 10/02/2026

08:40 to 08:46 Hrs.

1436.0

Max 26°C, Min 15°C

Vehicular Activities & Mine Operations

--

JMELPL/STOP/04

As per work order

TEST RESULTS

S. No.	Test Parameters	Test Method	Result	Unit	NAAQS
1.	Ammonia	IS: 5182, (Part-25)	20.7	µg/m ³	400
2.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m ³	6
3.	Benzene	IS:5182, (Part-11)	BDL (DL 1.0)	µg/m ³	5
4.	Benzo (a) Pyrene	IS:5182, (Part-12)	BDL (DL 0.5)	ng/m ³	1
5.	Carbon Monoxide	IS: 5182, (Part-10)	0.58	mg/m ³	4
6.	Lead	IS: 5182, (Part-22)	BDL (DL 0.02)	µg/m ³	1
7.	Nickel	IS: 5182, (Part-26)	BDL (DL 1.0)	ng/m ³	20

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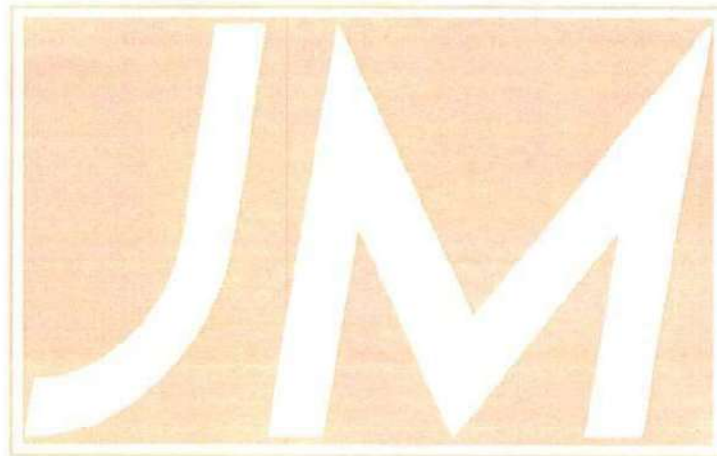
TEST REPORT

Sample Number: **JME/JKCW/A/11**

Report No.: **JME/A/260211001**


S. No.	Test Parameters	Test Method	Result	Unit	NAAQS
8.	Nitrogen Dioxide	IS: 5182, (Part-6)	16.2	µg/m ³	80
9.	Ozone	IS: 5182, (Part-9)	18.5	µg/m ³	180
10.	PM ₁₀	IS:5182, (Part-23)	64.8	µg/m ³	100
11.	PM _{2.5}	IS:5182, (Part-24)	26.5	µg/m ³	60
12.	Sulphur Dioxide	IS: 5182, (Part-2) sec 1	8.5	µg/m ³	80

Note: NAAQS-National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)] [Part-II sec.-3(i)] 18.11.2009
BDL- Below Detection Limit, DL- Detection Limit



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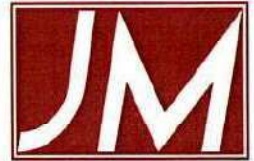


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TEST REPORT

Sample Number:	JME/JKCW/A/12	Report No.:	JME/A/260211002
Name & Address of Unit:	Maliakhera Limestone Mine, ML No. 04/2003, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)	Format No.:	7.8 F-02
		Party Reference No.:	NII
		Reporting Date:	14/02/2026
		Analysis Completion Date:	14/02/2026
		Analysis Start Date:	11/02/2026
		Receipt Date:	11/02/2026

Sample Description: **AMBIENT AIR QUALITY MONITORING**

General Information

Client Representative (Name & Designation)

Sample collected by

Sampling Location

Latitude

Longitude

Instrument used

Instrument code

Instrument Calibration Status

Scope of Monitoring

Meteorological condition during monitoring

Date of Monitoring

Time of Monitoring

Duration of Monitoring, (minutes)

Ambient Temperature (°C)

Surrounding activity

Control measure if Any

Sampling Protocol

Parameter Required

Mr. Chandrakant Tiwari (Sr. Manager)

JMELPL Team

Near Ravana Office (Maliakhera Mine)

24.69030278

74.81208889

RDS, FPS & BS

JME/RDS/02/08, JME/FPS/01/34 & JME/BS/01/02

Calibrated

Regulatory Requirement

Cloudy Sky

09/02/2026 to 10/02/2026

09:36 to 09:38 Hrs.

1415.0

Max 26°C, Min 15°C

Vehicular Activities & Mine Operations

--

JMELPL/STOP/04

As per work order

TEST RESULTS

S. No.	Test Parameters	Test Method	Result	Unit	NAAQS
1.	Ammonia	IS: 5182, (Part-25)	19.6	µg/m ³	400
2.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m ³	6
3.	Benzene	IS:5182, (Part-11)	BDL (DL 1.0)	µg/m ³	5
4.	Benzo (a) Pyrene	IS:5182, (Part-12)	BDL (DL 0.5)	ng/m ³	1
5.	Carbon Monoxide	IS: 5182, (Part-10)	BDL (DL 0.5)	mg/m ³	4
6.	Lead	IS: 5182, (Part-22)	BDL (DL 0.02)	µg/m ³	1
7.	Nickel	IS: 5182, (Part-26)	BDL (DL 1.0)	ng/m ³	20

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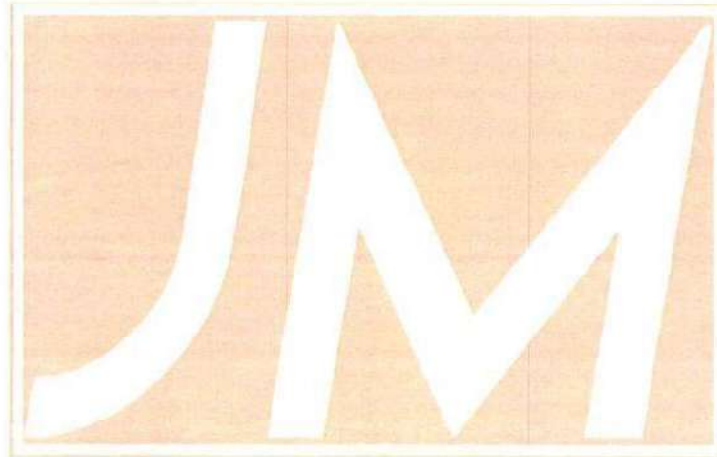
TEST REPORT

Sample Number: **JME/JKCW/A/12**

Report No.: **JME/A/260211002**

S. No.	Test Parameters	Test Method	Result	Unit	NAAQS
8.	Nitrogen Dioxide	IS: 5182, (Part-6)	16.2	µg/m ³	80
9.	Ozone	IS: 5182, (Part-9)	18.5	µg/m ³	180
10.	PM ₁₀	IS:5182, (Part-23)	70.3	µg/m ³	100
11.	PM _{2.5}	IS:5182, (Part-24)	34.2	µg/m ³	60
12.	Sulphur Dioxide	IS: 5182, (Part-2) sec 1	7.8	µg/m ³	80

Note: NAAQS-National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)] [Part-II sec.-3(i)] 18.11.2009.
BDL- Below Detection Limit, DL- Detection Limit



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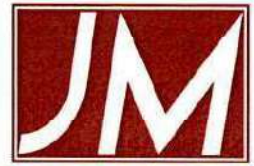


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TEST REPORT

Sample Number: **JME/JKCW/A/13** Report No.: **JME/A/260211003**
 Name & Address of Unit: **Maliakhera Limestone Mine, ML No. 04/2003, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)** Format No.: **7.8 F-02**
 Party Reference No.: **Nil** Reporting Date: **14/02/2026**
 Analysis Completion Date: **14/02/2026** Analysis Start Date: **11/02/2026**
 Receipt Date: **11/02/2026**

Sample Description: **AMBIENT AIR QUALITY MONITORING**

General Information

Client Representative (Name & Designation)

Mr. Chandrakant Tiwari (Sr. Manager)

Sample collected by

JMELPL Team

Sampling Location

Pipaliya Gadia village

Latitude

24.69062778

Longitude

74.61704444

Instrument used

RDS, FPS & BS

Instrument code

JME/RDS/01/29, JME/FPS/01/07 & JME/BS/01/04

Instrument Calibration Status

Calibrated

Scope of Monitoring

Regulatory Requirement

Meteorological condition during monitoring

Cloudy Sky

Date of Monitoring

09/02/2026 to 10/02/2026

Time of Monitoring

10:12 to 10:28 Hrs.

Duration of Monitoring, (minutes)

1395.0

Ambient Temperature (°C)

Max 26°C, Min 15°C

Surrounding activity

Vehicular Activities & Mine Operations

Control measure if Any

--

Sampling Protocol

JMELPL/STOP/04

Parameter Required

As per work order

TEST RESULTS

S. No.	Test Parameters	Test Method	Result	Unit	NAAQS
1.	Ammonia	IS: 5182, (Part-25)	26.7	µg/m ³	400
2.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m ³	6
3.	Benzene	IS:5182, (Part-11)	BDL (DL 1.0)	µg/m ³	5
4.	Benzo (a) Pyrene	IS:5182, (Part-12)	BDL (DL 0.5)	ng/m ³	1
5.	Carbon Monoxide	IS: 5182, (Part-10)	0.56	mg/m ³	4
6.	Lead	IS: 5182, (Part-22)	BDL (DL 0.02)	µg/m ³	1
7.	Nickel	IS: 5182, (Part-26)	BDL (DL 1.0)	ng/m ³	20

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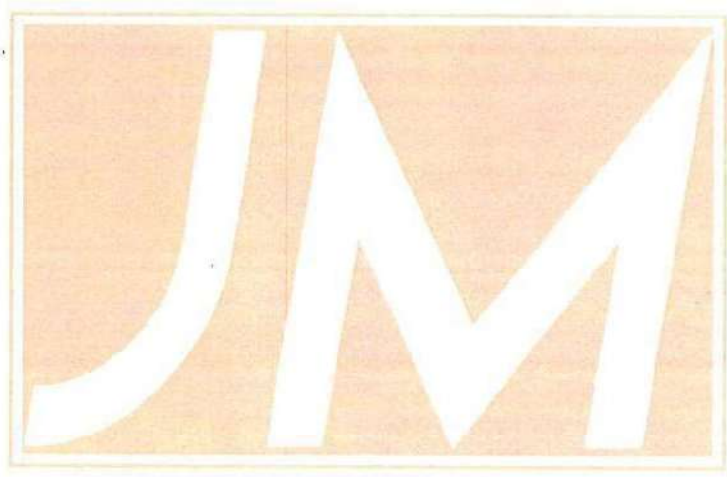
TEST REPORT

Sample Number: **JME/JKCW/A/13**

Report No.: **JME/A/260211003**

S. No.	Test Parameters	Test Method	Result	Unit	NAAQS
8.	Nitrogen Dioxide	IS: 5182, (Part-6)	14.6	µg/m ³	80
9.	Ozone	IS: 5182, (Part-9)	17.0	µg/m ³	180
10.	PM ₁₀	IS:5182, (Part-23)	65.8	µg/m ³	100
11.	PM _{2.5}	IS:5182, (Part-24)	30.9	µg/m ³	60
12.	Sulphur Dioxide	IS: 5182, (Part-2) sec 1	6.6	µg/m ³	80

Note: NAAQS-National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)] [Part-II sec.-3(i)] 18.11.2009.
BDL- Below Detection Limit, DL- Detection Limit




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TEST REPORT

Sample Number: **JME/JKCW/A/14** Report No.: **JME/A/260211004**
 Name & Address of Unit: **Mallakhera Limestone Mine, ML No. 04/2003, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)** Format No.: **7.8 F-02**
 Party Reference No.: **Nil**
 Reporting Date: **14/02/2026**
 Analysis Completion Date: **14/02/2026**
 Analysis Start Date: **11/02/2026**
 Receipt Date: **11/02/2026**

Sample Description: **AMBIENT AIR QUALITY MONITORING**

General Information

Client Representative (Name & Designation)

Mr. Chandrakant Tiwari (Sr. Manager)

Sample collected by

JMELPL Team

Sampling Location

Mallakhera Village

Latitude

24.68415276

Longitude

74.60361389

Instrument used

RDS, FPS & BS

Instrument code

JME/RDS/02/02, JME/FPS/01/13 & JME/BS/01/03

Instrument Calibration Status

Calibrated

Scope of Monitoring

Regulatory Requirement

Meteorological condition during monitoring

Cloudy Sky

Date of Monitoring

09/02/2026 to 10/02/2026

Time of Monitoring

12:57 to 13:04 Hrs.

Duration of Monitoring, (minutes)

1428.0

Ambient Temperature (°C)

Max 26°C, Min 15°C

Surrounding activity

Vehicular Activities & Mine Operations

Control measure if Any

--

Sampling Protocol

JMELPL/STOP/04

Parameter Required

As per work order

TEST RESULTS

S. No.	Test Parameters	Test Method	Result	Unit	NAAQS
1.	Ammonia	IS: 5182, (Part-25)	22.0	µg/m ³	400
2.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m ³	6
3.	Benzene	IS:5182, (Part-11)	BDL (DL 1.0)	µg/m ³	5
4.	Benzo (a) Pyrene	IS:5182, (Part-12)	BDL (DL 0.5)	ng/m ³	1
5.	Carbon Monoxide	IS: 5182, (Part-10)	0.64	mg/m ³	4
6.	Lead	IS: 5182, (Part-22)	BDL (DL 0.02)	µg/m ³	1
7.	Nickel	IS: 5182, (Part-26)	BDL (DL 1.0)	ng/m ³	20

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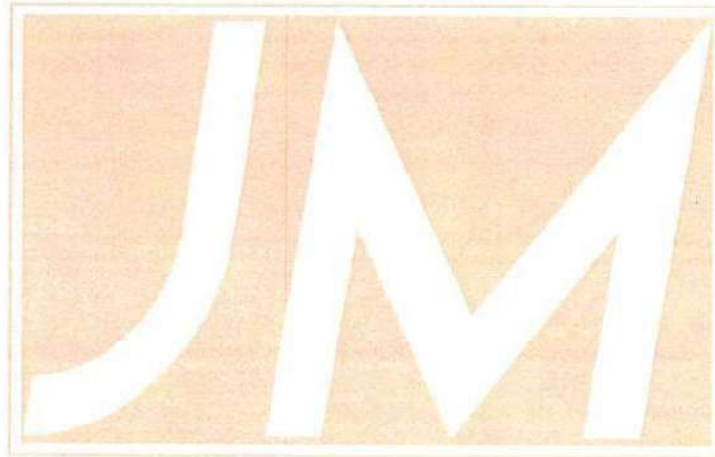
TEST REPORT

Sample Number: **JME/JKCW/A/14**

Report No.: **JME/A/260211004**

S. No.	Test Parameters	Test Method	Result	Unit	NAAQS
8.	Nitrogen Dioxide	IS: 5182, (Part-6)	17.5	µg/m ³	80
9.	Ozone	IS: 5182, (Part-9)	16.4	µg/m ³	180
10.	PM ₁₀	IS:5182, (Part-23)	68.0	µg/m ³	100
11.	PM _{2.5}	IS:5182, (Part-24)	32.2	µg/m ³	60
12.	Sulphur Dioxide	IS: 5182, (Part-2) sec 1	8.9	µg/m ³	80

Note: NAAQS-National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)] [Part-II sec.-3(i)] 18.11.2009.
BDL- Below Detection Limit, DL- Detection Limit



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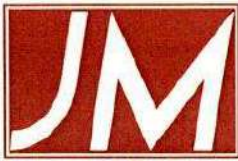
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TEST REPORT

Name & Address of Unit:	Maliakhera Limestone Mine, ML No. 04/2003, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)	Report No.:	JME/AN/251113001-002
Sample Description:	AMBIENT NOISE LEVEL MONITORING	Reporting Date:	17/11/2025
Sample Collected by:	JMELPL TEAM	Receipt Date:	13/11/2025
Client Representative:	Mr. Chandrakant Tiwari (Sr. Manager)	Equipment Used:	Sound Level Meter
		Duration of Monitoring:	24 Hours
		Sampling Protocol:	JMELPL/STOP/04
		Test Method:	IS 9989

TEST RESULTS

Monitoring Locations	Date of Monitoring	Day Time (06:00 AM to 10:00 PM)			Night Time (10:00 PM to 06:00 AM)		
		Min.	Max.	Leq in dB(A)	Min.	Max.	Leq in dB(A)
Near Mine Office, Maliakhera Mine	10/11/2025	54.8	68.7	60.5	42.6	59.4	48.7
Near Ravana Office, Maliakhera Mine	10/11/2025	51.3	65.3	57.9	40.6	61.5	50.2

CPCB NOISE STANDARDS

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence Zone	50	40

- Day Time is from 06.00 AM to 10.00 PM.
- Night Time is reckoned between 10.00 PM to 06.00 AM
- Silence Zone is defined as an area up to 100m around premises of Hospitals, Educational Institutions and Courts. Use of vehicle horn, loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

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TEST REPORT

Name & Address of Unit:	Maliakhera Limestone Mine, ML No. 04/2003, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)	Report No.:	JME/AN/260211001-002
Sample Description:	AMBIENT NOISE LEVEL MONITORING	Reporting Date:	14/02/2026
Sample Collected by:	JMELPL TEAM	Receipt Date:	11/02/2026
Client Representative:	Mr. Chandrakant Tiwari (Sr. Manager)	Equipment Used:	Sound Level Meter
		Duration of Monitoring:	24 Hours
		Sampling & Testing Protocol:	IS-9989

TEST RESULTS

Monitoring Locations	Date of Monitoring	Day Time (06:00 AM to 10:00 PM)			Night Time (10:00 PM to 06:00 AM)		
		Min.	Max.	Leq in dB(A)	Min.	Max.	Leq in dB(A)
Near Mine Office, Maliakhera Mine	09/02/2026 to 10/02/2026	47.8	69.2	57.5	41.2	61.8	48.5
Near Ravana Office, Maliakhera Mine	09/02/2026 to 10/02/2026	44.3	66.4	54.6	38.6	58.3	44.2

CPCB NOISE STANDARDS

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence Zone	50	40

- Day Time is from 06.00 AM to 10.00 PM.
- Night Time is reckoned between 10.00 PM to 06.00 AM
- Silence Zone is defined as an area up to 100m around premises of Hospitals, Educational Institutions and Courts. Use of vehicle horn, loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

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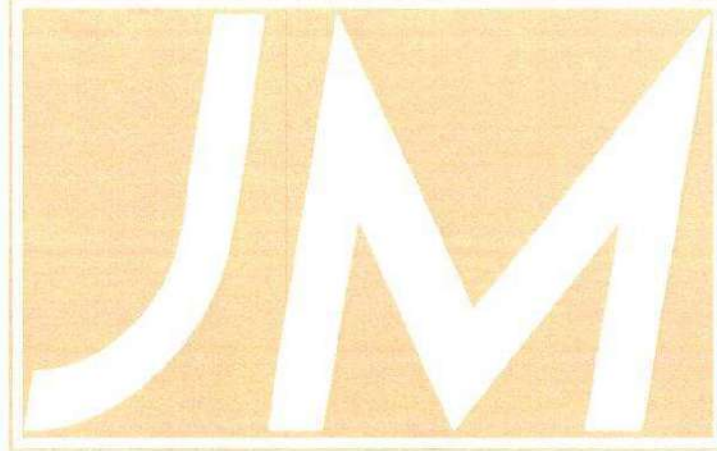
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TEST REPORT

Name & Address of Unit:	Maliakhera Limestone Mine, ML No. 04/2003, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)	Report No.:	JME/FD/251113001
Sample Description:	FUGITIVE EMISSION	Reporting Date:	17/11/2025
Sample Collected by:	JMELPL TEAM	Analysis Completion Date:	17/11/2025
Client Representative:	Mr. Chandrakant Tiwari (Sr. Manager)	Analysis Start Date:	13/11/2025
		Receipt Date:	13/11/2025
		Duration of Sampling:	4 hours
		Equipment Used:	HVS
		Sampling Protocol:	JMELPL/STOP/04
		Test Method:	JMELPL/STOP/03

TEST RESULTS

S. No.	Sampling Location	Date of Monitoring	SPM ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1.	3-10-meter distance from drilling point of Maliakhera Mines	11/11/2025	345.0	8.7	15.4	0.57
Limit as per CTO			600	-	-	-



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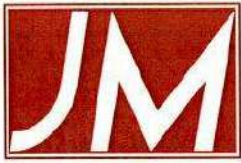
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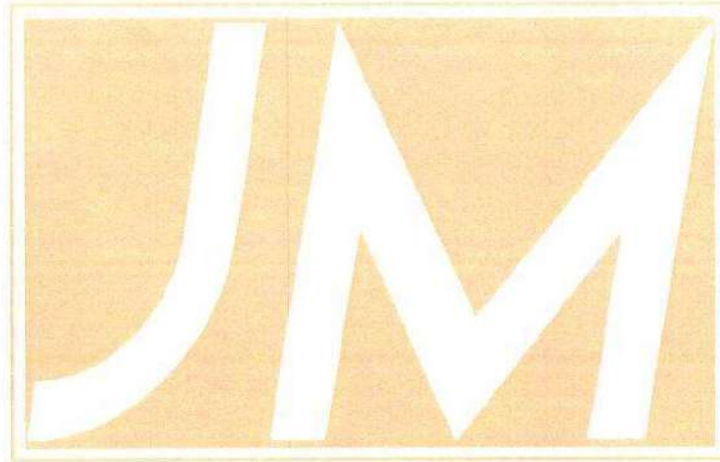
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TEST REPORT

Name & Address of Unit:	Maliakhera Limestone Mine, ML No. 04/2003, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)	Report No.:	JME/FD/251113002
Sample Description:	FUGITIVE EMISSION	Reporting Date:	17/11/2025
Sample Collected by:	JMELPL TEAM	Analysis Completion Date:	17/11/2025
Client Representative:	Mr. Chandrakant Tiwari (Sr. Manager)	Analysis Start Date:	13/11/2025
		Receipt Date:	13/11/2025
		Duration of Sampling:	4 hours
		Equipment Used:	HVS
		Sampling Protocol:	JMELPL/STOP/04
		Test Method:	JMELPL/STOP/03

TEST RESULTS

S. No.	Sampling Location	Date of Monitoring	SPM ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)	CO (mg/m ³)
1.	Near Loading point of Maliakhera Mines	11/11/2025	338.0	6.8	11.3	0.55
Limit as per CTO			600	-	-	-



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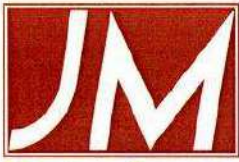
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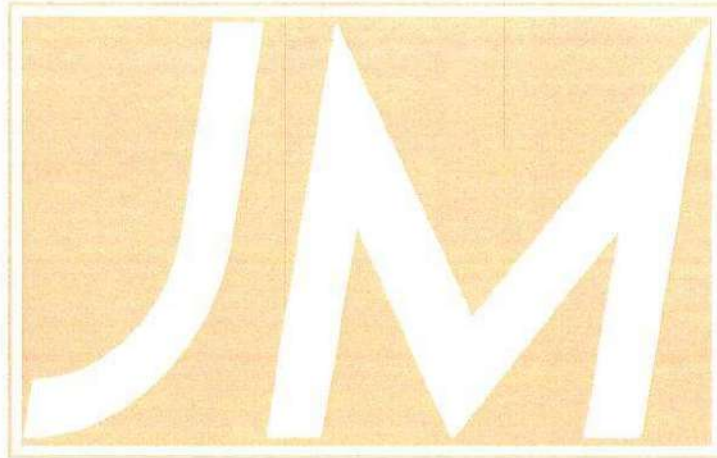
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TEST REPORT

Name & Address of Unit:	Maliakhera Limestone Mine, ML No. 04/2003, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)	Report No.:	JME/FD/251113003
Sample Description:	FUGITIVE EMISSION	Reporting Date:	17/11/2025
Sample Collected by:	JMELPL TEAM	Analysis Completion Date:	17/11/2025
Client Representative:	Mr. Chandrakant Tiwari (Sr. Manager)	Analysis Start Date:	13/11/2025
		Receipt Date:	13/11/2025
		Duration of Sampling:	4 hours
		Equipment Used:	HVS
		Sampling Protocol:	JMELPL/STOP/04
		Test Method:	JMELPL/STOP/03

TEST RESULTS

S. No.	Sampling Location	Date of Monitoring	SPM ($\mu\text{g}/\text{m}^3$)
1.	3-10-meter Distance from L.S. Crusher	10/11/2025	358.0
Limit as per CTO			600



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TEST REPORT

Name & Address of Unit:	Mallakhera Limestone Mine, ML No. 04/2003, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)	Report No.:	JME/FD/260211001
Sample Description:	FUGITIVE DUST EMISSION	Reporting Date:	14/02/2026
Sample Collected by:	JMELPL TEAM	Analysis Completion Date:	14/02/2026
Client Representative:	Mr. Chandrakant Tiwari (Sr. Manager)	Analysis Start Date:	11/02/2026
		Receipt Date:	11/02/2026
		Duration of Sampling:	4 hours
		Equipment Used:	HVS
		Sampling & Testing Protocol:	JME/STOP/03

TEST RESULTS

S. No.	Sampling Location	Date of Monitoring	SPM ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1.	3-10-meter distance from drilling point of Mallakhera Mines	09/02/2026	392.0	9.4	18.2	0.62
Limit as per CTO			600	-	-	-

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TEST REPORT

Name & Address of Unit: **Maliakhera Limestone Mine, ML No. 04/2003, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)**

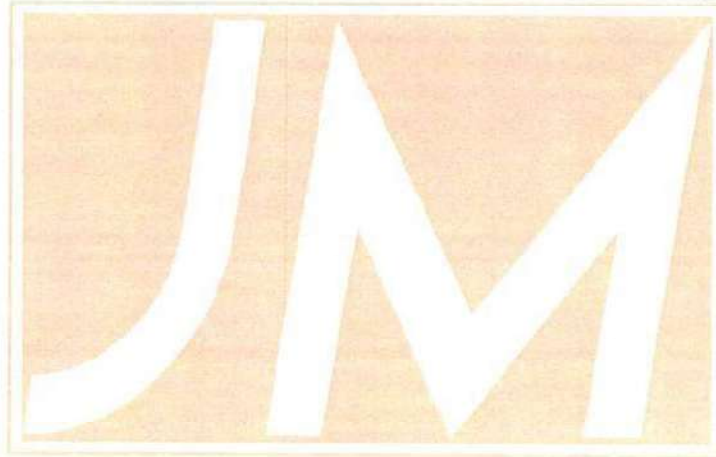
Report No.: **JME/FD/260211002**
 Reporting Date: **14/02/2026**
 Analysis Completion Date: **14/02/2026**
 Analysis Start Date: **11/02/2026**
 Receipt Date: **11/02/2026**

Sample Description: **FUGITIVE DUST EMISSION**
 Sample Collected by: **JMELPL TEAM**
 Duration of Sampling: **4 hours**
 Equipment Used: **HVS**

Client Representative: **Mr. Chandrakant Tiwari (Sr. Manager)**
 Sampling & Testing Protocol: **JME/STOP/03**

TEST RESULTS

S. No.	Sampling Location	Date of Monitoring	SPM ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)	CO (mg/m ³)
1.	Near Loading point of Maliakhera Mines	09/02/2026	355.0	7.4	14.0	0.59
Limit as per CTO			600	-	-	-



Page 1 of 1


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 Deepak Singh Yadav


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 Sita Ram Yadav

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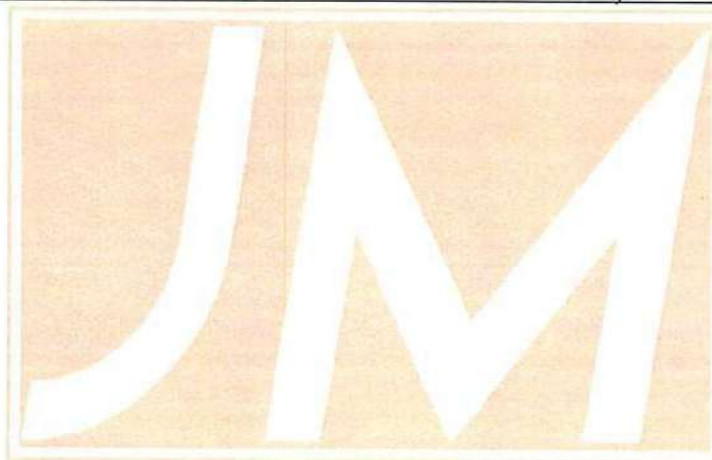
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TEST REPORT

Name & Address of Unit:	Mallakhera Limestone Mine, ML No. 04/2003, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)	Report No.:	JME/FD/260211003
Sample Description:	FUGITIVE DUST EMISSION	Reporting Date:	14/02/2026
Sample Collected by:	JMELPL TEAM	Analysis Completion Date:	14/02/2026
Client Representative:	Mr. Chandrakant Tiwari (Sr. Manager)	Analysis Start Date:	11/02/2026
		Receipt Date:	11/02/2026
		Duration of Sampling:	4 hours
		Equipment Used:	HVS
		Sampling & Testing Protocol:	JME/STOP/03

TEST RESULTS

S. No.	Sampling Location	Date of Monitoring	SPM ($\mu\text{g}/\text{m}^3$)
1.	3-10-meter Distance from L.S. Crusher	10/02/2026	374.0
	Limit as per CTO		600



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Annexure - 3

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TEST REPORT

Sample Number:	JME/JK/ST/10	Report No.:	JME/ST/251021072
Name & Address of Unit:	M/s. J.K. Cement Works Nimbahera, (Unit-Cement Plant), Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)	Format No.:	7.80 F-03
		Party Reference No.:	NII
		Reporting Date:	24/10/2025
		Analysis Completion Date:	24/10/2025
		Analysis Start Date:	21/10/2025
		Receipt Date:	21/10/2025

Sample Description: **STACK EMISSION MONITORING**

Client Representative (Name & Designation)	: Mr. Chandrakant Tiwari (Sr. Manager)
Sample Collected by	: JMELPL Team
Date of Sampling & Time	: 18/10/2025 (13:45 to 14:45 Hrs.)
Sampling Location & Code	: Maliakhera - Crusher
Latitude	: 24.674592 N
Longitude	: 74.619794 E
Sampling duration (Minutes)	: 60.0
Stack attached to	: Maliakhera – Crusher Bag House
Make of Stack	: MS
Diameter of Stack	: 1.50 meter
Height of Stack	
(i) From the Source of Emission	: --
(ii) From Roof Level	: --
(iii) From Ground Level	: 30.0 meter
Operating Schedule (Hrs/day)	: As per Requirement
Purpose of Monitoring	: Regulatory Requirement and Self-Assessment
Control Measure if Any	: Bag House
Operating Condition at the time of Sampling	: On Load
Type of Fuel Used	: -
Meteorological Condition	: Clear Sky
Instrument Code	: JME/SMK/01/09
Instrument Calibration Status	: Calibrated
Ambient Temperature - Ta (°C)	: 35.6
Temperature of Stack Gases - Ts (°C)	: 40.0
Velocity of Stack Gases (m/sec.)	: 11.07
Flow rate of PM (LPM)	: 17.0
Flow rate of Gas (LPM)	: -
Volumetric Flow (Nm ³ /Hrs.)	: 65252.0
Sampling Condition	: Isokinetic
Sampling Protocol	: JMELPL/STOP/04
Parameter Required	: As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Result	Unit	Limit as per CPCB
1.	Particulate Matter	IS - 11255 (Part - 1)	14.5	mg/Nm ³	30

Page No.1 of 1

Ritika
Checked by
Ritika Saini

Sita Ram
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TEST REPORT

Sample Number:	JME/JK/ST/10	Report No.:	JME/ST/251110072
Name & Address of Unit:	M/s. J.K. Cement Works Nimbaheera, (Unit-Cement Plant), Tehsil - Nimbaheera, District - Chittorgarh, State- Rajasthan (INDIA)	Format No.:	7.80 F-03
		Party Reference No.:	Nil
		Reporting Date:	14/11/2025
		Analysis Completion Date:	14/11/2025
		Analysis Start Date:	10/11/2025
		Receipt Date:	10/11/2025

Sample Description: **STACK EMISSION MONITORING**

Client Representative (Name & Designation)	: Mr. Chandrakant Tiwari (Sr. Manager)
Sample Collected by	: JMELPL Team
Date of Sampling & Time	: 05/11/2025 (15:30 to 16:30 Hrs.)
Sampling Location & Code	: Maliakhera - Crusher
Latitude	: 24.674592 N
Longitude	: 74.619794 E
Sampling duration (Minutes)	: 60.0
Stack attached to	: Maliakhera - Crusher Bag House
Make of Stack	: MS
Diameter of Stack	: 1.50 meter
Height of Stack	
(i) From the Source of Emission	: --
(ii) From Roof Level	: --
(iii) From Ground Level	: 30.0 meter
Operating Schedule (Hrs/day)	: As per Requirement
Purpose of Monitoring	: Regulatory Requirement and Self-Assessment
Control Measure if Any	: Bag House
Operating Condition at the time of Sampling	: On Load
Type of Fuel Used	: -
Metereological Condition	: Clear Sky
Instrument Code	: JME/SMK/01/09
Instrument Calibration Status	: Calibrated
Ambient Temperature - Ta (°C)	: 29.0
Temperature of Stack Gases - Ts (°C)	: 32.0
Velocity of Stack Gases (m/sec.)	: 9.64
Flow rate of PM (LPM)	: 41.0
Flow rate of Gas (LPM)	: -
Volumetric Flow (Nm ³ /Hrs.)	: 57919.0
Sampling Condition	: Isokinetic
Sampling Protocol	: JMELPL/STOP/04
Parameter Required	: As per work order

TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit	Limit as per CPCB
1.	Particulate Matter	IS - 11255 (Part - 1)	15.3	mg/Nm ³	30

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“End of Report”



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TEST REPORT

Sample Number:	JME/JK/ST/10	Report No.:	JME/ST/251222072
Name & Address of Unit:	M/s. J.K. Cement Works Nimbahera, (Unit-Cement Plant), Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)	Format No.:	7.80 F-03
		Party Reference No.:	Nil
		Reporting Date:	26/12/2025
		Analysis Completion Date:	26/12/2025
		Analysis Start Date:	22/12/2025
		Receipt Date:	22/12/2025

Sample Description: **STACK EMISSION MONITORING**

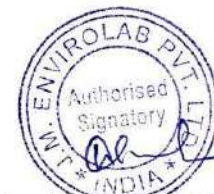
Client Representative (Name & Designation)	: Mr. Chandrakant Tiwari (Sr. Manager)
Sample Collected by	: JMELPL Team
Date of Sampling & Time	: 19/12/2025 (12:00 to 13:00 Hrs.)
Sampling Location & Code	: Maliakhera – Crusher
Latitude	: 24.674592 N
Longitude	: 74.619794 E
Sampling duration (Minutes)	: 60.0
Stack attached to	: Maliakhera – Crusher Bag House
Make of Stack	: MS
Diameter of Stack	: 1.50 meter
Height of Stack	
(i) From the Source of Emission	: --
(ii) From Roof Level	: --
(iii) From Ground Level	: 30.0 meter
Operating Schedule (Hrs/day)	: As per Requirement
Purpose of Monitoring	: Regulatory Requirement and Self-Assessment
Control Measure if Any	: Bag House
Operating Condition at the time of Sampling	: On Load
Type of Fuel Used	: -
Meteorological Condition	: Clear Sky
Instrument Code	: JME/SMK/01/09
Instrument Calibration Status	: Calibrated
Ambient Temperature - Ta (°C)	: 28.4
Temperature of Stack Gases - Ts (°C)	: 30.0p
Velocity of Stack Gases (m/sec.)	: 9.73
Flow rate of PM (LPM)	: 16.0
Flow rate of Gas (LPM)	: -
Volumetric Flow (Nm ³ /Hrs.)	: 58125.0
Sampling Condition	: Isokinetic
Sampling Protocol	: JMELPL/STOP/04
Parameter Required	: As per work order

S. No.	Test Parameter	Test Method	Result	Unit
1.	Particulate Matter	IS - 11255 (Part - 1)	12.8	mg/Nm ³

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Checked by

Ujeenak Singh Yadav



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TEST REPORT

Sample Number: **JME/JK/ST/10** Report No.: **JME/ST/260115072**
 Name & Address of Unit: **M/s. J.K. Cement Works Nimbahera, (Unit-Cement Plant), Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)** Format No.: **7.80 F-03**
 Party Reference No.: **Nil**
 Reporting Date: **19/01/2026**
 Analysis Completion Date: **19/01/2026**
 Analysis Start Date: **15/01/2026**
 Receipt Date: **15/01/2026**

Sample Description: **STACK EMISSION MONITORING**

Client Representative (Name & Designation) : **Mr. Chandrakant Tiwari (Sr. Manager)**
 Sample Collected by : **JMELPL Team**
 Date of Sampling & Time : **13/01/2026 (15:00 to 16:00 Hrs.)**
 Sampling Location & Code : **Maliakhera - Crusher**
 Latitude : **24.674592 N**
 Longitude : **74.619794 E**
 Sampling duration (Minutes) : **60.0**
 Stack attached to : **Mallakhera - Crusher Bag House**
 Make of Stack : **MS**
 Diameter of Stack : **1.50 meter**
 Height of Stack

(i) From the Source of Emission : **--**
 (ii) From Roof Level : **--**
 (iii) From Ground Level : **30.0 meter**

Operating Schedule (Hrs/day) : **As per Requirement**
 Purpose of Monitoring : **Regulatory Requirement and Self-Assessment**
 Control Measure if Any : **Bag House**
 Operating Condition at the time of Sampling : **On Load**
 Type of Fuel Used : **-**
 Meteorological Condition : **Clear Sky**
 Instrument Code : **JME/SMK/01/09**
 Instrument Calibration Status : **Calibrated**
 Ambient Temperature - Ta (°C) : **21.0**
 Temperature of Stack Gases - Ts (°C) : **28.0**
 Velocity of Stack Gases (m/sec.) : **9.67**
 Flow rate of PM (LPM) : **16.0**
 Flow rate of Gas (LPM) : **-**
 Volumetric Flow (Nm³/Hrs.) : **58151.0**
 Sampling Condition : **Isokinetic**
 Sampling Protocol : **JMELPL/STOP/04**
 Parameter Required : **As per work order**

S. No.	Test Parameter	Test Method	Result	Unit
1.	Particulate Matter	IS - 11255 (Part - 1)	14.3	mg/Nm ³

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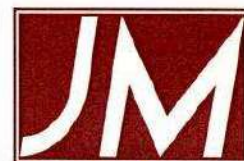


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TEST REPORT

Sample Number: **JME/JK/ST/12** Report No.: **JME/ST/260221058**
 Name & Address of Unit: **M/s. J.K. Cement Works Nimbahera, (Unit-Cement Plant), Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)** Format No.: **7.80 F-03**
 Party Reference No.: **Nil**
 Reporting Date: **24/02/2026**
 Analysis Completion Date: **24/02/2026**
 Analysis Start Date: **21/02/2026**
 Receipt Date: **21/02/2026**

Sample Description: **STACK EMISSION MONITORING**

Client Representative (Name & Designation) : **Mr. Chandrakant Tiwari (Sr. Manager)**
 Sample Collected by : **JMELPL Team**
 Date of Sampling & Time : **20/02/2026 (13:00 to 14:00 Hrs.)**
 Sampling Location & Code : **Maliakhara – Crusher**
 Latitude : **24.674592 N**
 Longitude : **74.619794 E**
 Sampling duration (Minutes) : **60.0**
 Stack attached to : **Maliakhara – Crusher Bag House**
 Make of Stack : **MS**
 Diameter of Stack : **1.50 meter**
 Height of Stack :
 (i) From the Source of Emission : **--**
 (ii) From Roof Level : **--**
 (iii) From Ground Level : **30.0 meter**
 Operating Schedule (Hrs/day) : **As per Requirement**
 Purpose of Monitoring : **Regulatory Requirement and Self-Assessment**
 Control Measure if Any : **Bag House**
 Operating Condition at the time of Sampling : **On Load**
 Type of Fuel Used : **-**
 Meteorological Condition : **Clear Sky**
 Instrument Code : **JME/SMK/01/09**
 Instrument Calibration Status : **Calibrated**
 Ambient Temperature - Ta (°C) : **25.0**
 Temperature of Stack Gases - Ts (°C) : **29.0**
 Velocity of Stack Gases (m/sec.) : **7.70**
 Flow rate of PM (LPM) : **13.0**
 Flow rate of Gas (LPM) : **-**
 Volumetric Flow (Nm³/Hrs.) : **47041.0**
 Sampling Condition : **Isokinetic**
 Sampling Protocol : **JMELPL/STOP/04**
 Parameter Required : **As per work order**

S. No.	Test Parameter	Test Method	Result	Unit
1.	Particulate Matter	IS - 11255 (Part - 1)	16.2	mg/Nm ³

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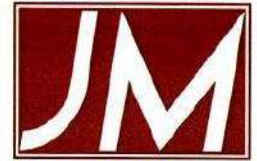


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TEST REPORT

Sample Number: **JME/JK/ST/12** Report No.: **JME/ST/260316058**
 Name & Address of Unit: **M/s. J.K. Cement Works Nimbahera, (Unit-Cement Plant), Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)** Format No.: **7.80 F-03**
 Party Reference No.: **Nil**
 Reporting Date: **19/03/2026**
 Analysis Completion Date: **19/03/2026**
 Analysis Start Date: **16/03/2026**
 Receipt Date: **16/03/2026**

Sample Description: **STACK EMISSION MONITORING**

Client Representative (Name & Designation) : **Mr. Chandrakant Tiwari (Sr. Manager)**
 Sample Collected by : **JMELPL Team**
 Date of Sampling & Time : **14/03/2026 (12:30 to 13:30 Hrs.)**
 Sampling Location & Code : **Maliakhera - Crusher**
 Latitude : **24.674592 N**
 Longitude : **74.619794 E**
 Sampling duration (Minutes) : **60.0**
 Stack attached to : **Maliakhera - Crusher Bag House**
 Make of Stack : **MS**
 Diameter of Stack : **1.50 meter**
 Height of Stack :

(i) From the Source of Emission : **--**
 (ii) From Roof Level : **--**
 (iii) From Ground Level : **30.0 meter**

Operating Schedule (Hrs/day) : **As per Requirement**
 Purpose of Monitoring : **Regulatory Requirement and Self-Assessment**
 Control Measure if Any : **Bag House**
 Operating Condition at the time of Sampling : **On Load**
 Type of Fuel Used : **-**
 Meteorological Condition : **Clear Sky**
 Instrument Code : **JME/SMK/01/09**
 Instrument Calibration Status : **Calibrated**
 Ambient Temperature - Ta (°C) : **34.0**
 Temperature of Stack Gases - Ts (°C) : **39.0**
 Velocity of Stack Gases (m/sec.) : **10.52**
 Flow rate of PM (LPM) : **17.0**
 Flow rate of Gas (LPM) : **-**
 Volumetric Flow (Nm³/Hrs.) : **61284.0**
 Sampling Condition : **Isokinetic**
 Sampling Protocol : **JMELPL/STOP/04**
 Parameter Required : **As per work order**

S. No.	Test Parameter	Test Method	Result	Unit
1.	Particulate Matter	IS - 11255 (Part - 1)	17.8	mg/Nm ³

Page 1 of 1

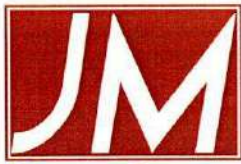

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TEST REPORT

Sample Number	JME/MLM/WW/01	Report No.:	JME/WW/251110034
Name & Address of Unit	Maliakhera Limestone Mine, ML No. 04/2003, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)	Format No.:	7.8 F-01
Sample Description	WASTE WATER	Party Reference:	Nil
Sampling Location	Mailakhera Mines Work Shop	Reporting Date:	14/11/2025
Client Representative (Name & Designation)	Mr. Chandrakant Tiwari (Sr. Manager)	Analysis Completion Date:	14/11/2025
Sample collected by	JMELPL Team	Analysis Start Date:	10/11/2025
Latitude	---	Receipt Date:	10/11/2025
Longitude	---	Sampling Date:	07/11/2025
Sampling Protocol	JMELPL/STOP/04	Sampling Type	Grab
		Preservation	Refrigerated
		Environmental Condition during Sampling	Ambient Temp. 27°C; Cloudy Sky
		Sample Quantity	Approx. 3.0 Litre
		Parameter Required	As per work order

TEST RESULTS

S. No.	Parameter	Test Method	Result	Unit	Limit as per CTO
1.	pH	IS:3025 (Part-11)	7.32	-	6.5-8.5
2.	Total Suspended Solids	IS:3025 (Part-17)	58.0	mg/l	100
3.	COD	IS:3025 (Part-58)	102.0	mg/l	250
4.	BOD	IS:3025 (Part-44)	22.0	mg/l	30
5.	Oil & Grease	IS:3025 (Part-39)	2.5	mg/l	10
6.	Phosphate as PO ₄	APHA 24th Edition, 4500-P-C/D	BDL (DL 0.1)	mg/l	5
7.	Chloride (as Cl)	IS:3025 (Part-32)	175.8	mg/l	-
8.	Sulphate (as SO ₄)	APHA 24th Edition, 4500-SO ₄ -C/D/E	105.4	mg/l	-
9.	Copper (as Cu)	IS 3025 (Part-42)	BDL (DL 0.02)	mg/l	1
10.	Zinc (as Zn)	IS 3025 (Part-49)	0.12	mg/l	1
11.	Iron (as Fe)	IS: 3025 (Part-53)	0.15	mg/l	1
12.	Chromium (as Cr)	IS 3025 (Part-52)	BDL (DL 0.08)	mg/l	0.2

Note: BDL- Below Detection Limit, DL- Detection Limit

Page 1 of 1

Srishti Mehta
Checked by
Srishti Mehta

Reviewed & Authorized by
Rajkumar Yadav

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Reg. Office & Lab. : 424, Ground Floor, Udyog Vihar Phase-IV, Gurugram, Haryana, India
E-mail: jmenvirolab@hotmail.com www.jmenvirolab.com



TEST REPORT

Sample Number	JME/MLM/WW/01	Report No.:	JME/WW/260221034
Name & Address of Unit	Mallakhera Limestone Mine, ML No. 04/2003, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)	Format No.:	7.8 F-01
Sample Description	WASTE WATER	Party Reference:	NII
Sampling Location	Mailakhera Mines Work Shop	Reporting Date:	25/02/2026
Client Representative (Name & Designation)	Mr. Chandrakant Tiwari (Sr. Manager)	Analysis Completion Date:	25/02/2026
Sample collected by	JMELPL Team	Analysis Start Date:	21/02/2026
Latitude	---	Receipt Date:	21/02/2026
Longitude	---	Sampling Date:	20/02/2026
Sampling Protocol	JMELPL/STOP/04	Sampling Type	Grab
		Preservation	Refrigerated
		Environmental Condition during Sampling	Ambient Temp. 23°C; Clear Sky
		Sample Quantity	Approx. 3.0 Litre
		Parameter Required	As per work order

TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit	Limit as per CTO
1.	pH	IS:3025 (Part-11)	7.29	-	6.5-8.5
2.	Total Suspended Solids	IS:3025 (Part-17)	54.0	mg/l	100
3.	COD	IS:3025 (Part-58)	98.0	mg/l	250
4.	BOD	IS:3025 (Part-44)	20.0	mg/l	30
5.	Oil & Grease	IS:3025 (Part-39)	2.4	mg/l	10
6.	Phosphate as PO ₄	APHA 24th Edition,4500-P-C/D	BDL (DL 0.1)	mg/l	5
7.	Chloride (as Cl)	IS:3025 (Part-32)	174.3	mg/l	-
8.	Sulphate (as SO ₄)	APHA 24th Edition, 4500-SO ₄ -C/D/E	101.5	mg/l	-
9.	Copper (as Cu)	IS 3025 (Part-42)	BDL (DL 0.02)	mg/l	1
10.	Zinc (as Zn)	IS 3025 (Part-49)	0.10	mg/l	1
11.	Iron (as Fe)	IS: 3025 (Part-53)	0.13	mg/l	1
12.	Chromium (as Cr)	IS 3025 (Part-52)	BDL (DL 0.08)	mg/l	0.2

Note: BDL- Below Detection Limit, DL- Detection Limit

Page 1 of 1

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Abhishek Tiwari

Reviewed & Authorized by
Pallavi Verma

Note:

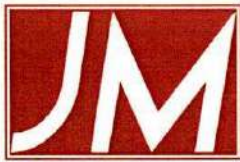
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Photograph of ETP





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TEST REPORT

Sample Number	JME/MLM/W/01	Report No	JME/W/251110231
Name & Address of Unit	Maliakhera Limestone Mine, ML No. 04/2003, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)	Format No.	7.8 F-01
Sample Description	Ground Water	Party Reference No.	Nil
Sampling Location	Portable & Domestic water (Handpump Mine Office Ground water)	Reporting Date	17/11/2025
Client Representative (Name & Designation)	Mr. Chandrakant Tiwari (Sr. Manager)	Analysis Completion Date:	17/11/2025
Sample collected by	JMEPL Team	Analysis Start Date:	10/11/2025
Latitude	24.689229 N	Receipt Date	10/11/2025
Longitude	74.611238 E	Sampling Date	07/11/2025
Packing status:	Temporary sealed	Sampling Type	Grab
Sampling Protocol	JMELPL/STOP/04	Preservation	Refrigerated
		Environmental Condition during Sampling	Ambient Temp. 28°C, Cloudy Sky
		Sample Quantity	5.0 Litre
		Parameter Required	As per work order

TEST RESULTS

S. No.	Parameters	Test Method	Result	Unit	Specification as per IS 10500-2012	
					Requirement Acceptable Limit	Permissible Limit in the Absence of Alternate Source
1.	pH (at 25 °C)	IS:3025 (Part-11)	7.78	-	6.5 to 8.5	No Relaxation
2.	Colour	IS:3025 (Part 4)	BDL (DL 1.0)	Hazen Unit	5	15
3.	Turbidity	IS:3025 (Part-10)	BDL (DL 1.0)	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 CaCO ₃	IS:3025 (Part-21)	184.0	mg/l	200	600
7.	Calcium as Ca	IS:3025 (Part-40)	39.68	mg/l	75	200
8.	Alkalinity as CaCO ₃	IS:3025 (Part-23)	114.5	mg/l	200	600
9.	Chloride as Cl	IS:3025 (Part-32)	91.57	mg/l	250	1000
10.	Residual free Chlorine	IS:3025 (Part-26)	BDL (DL 0.20)	mg/l	0.2	1.0
11.	Cyanide	IS:3025 (Part-27) Sec 1	BDL (DL 0.02)	mg/l	0.05	No Relaxation
12.	Magnesium as Mg	IS:3025 (Part-46)	20.63	mg/l	30	100
13.	Total Dissolved Solids	IS:3025 (Part-16)	396.0	mg/l	500	2000
14.	Sulphate as SO ₄	APHA 24th Edition, 4500-SO ₄ - E	22.84	mg/l	200	400
15.	Fluoride as F	APHA 24th Edition, 4500-F- D	0.41	mg/l	1	1.5
16.	Nitrate Nitrogen as NO ₂	IS:3025 (Part-34) sec 1: Para 6.3, Cadmium reduction method	6.19	mg/l	45	No Relaxation
17.	Iron as Fe	IS:3025 (Part-53)	0.04	mg/l	1	No Relaxation
18.	Aluminium as Al	IS:3025 (Part-55)	BDL (DL 0.03)	mg/l	0.03	0.2
19.	Boron as B	IS:3025 (Part-57)	BDL (DL 0.20)	mg/l	0.5	2.4

Page 1 of 3

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Checked by
Srishti Mehta

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Rajkumar Yadav

Note:

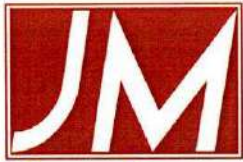
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TEST REPORT

Sample Number **JME/MLM/W/01**

Report No **JME/W/251110231**

S. No.	Parameters	Test Method	Result	Unit	Specification as per IS 10500-2012	
					Requirement Acceptable Limit	Permissible Limit in the Absence of Alternate Source
20.	Phenols	APHA 24th Edition 5540-Phenols-D, Direct Photometric	BDL (DL 0.001)	mg/l	0.001	0.002
21.	Anionic Surfactant	APHA 24th Edition, 5540 C	BDL (DL 0.02)	mg/l	0.2	1
22.	Hexa Chromium as Cr+6	IS:3025 (Part-52)	BDL (DL 0.03)	mg/l	--	--
23.	Zinc as Zn	IS:3025 (Part-49)	BDL (DL 0.01)	mg/l	5	15
24.	Copper as Cu	IS:3025 (Part-42)	BDL (DL 0.02)	mg/l	0.05	1.5
25.	Manganese as Mn	IS:3025 (Part-59)	BDL (DL 0.08)	mg/l	0.1	0.3
26.	Cadmium as Cd	IS:3025 (Part-41)	BDL (DL 0.002)	mg/l	0.003	No Relaxation
27.	Lead as Pb	IS:3025 (Part-47)	BDL (DL 0.008)	mg/l	0.01	No Relaxation
28.	Selenium as Se	IS:3025 (Part-56)	BDL (DL 0.005)	mg/l	0.01	No Relaxation
29.	Arsenic as As	IS:3025 (Part-37)	BDL (DL 0.002)	mg/l	0.01	No Relaxation
30.	Mercury as Hg	IS:3025 (Part-48)	BDL (DL 0.001)	mg/l	0.001	No Relaxation
31.	Sulphide (as H ₂ S)	IS 3025 (Part 29)	BDL (DL 0.05)	mg/l	0.05	No Relaxation
32.	Ammonia (NH ₃ -N)	APHA 24th Edition 4500-NH ₃	BDL (DL 0.1)	mg/l	0.5	No Relaxation
33.	Chloramines as Cl ₂	APHA 24th Edition 4500-Cl-G	BDL (DL 0.01)	mg/l	4.0	No Relaxation
34.	Chromium (Cr)	IS 3025 (Part 52)	BDL (DL 0.002)	mg/l	0.05	No Relaxation
35.	Barium as Ba	APHA ,24th Edition 3500 -Ba	BDL (DL 0.01)	mg/l	0.7	No Relaxation
36.	Silver (Ag)	APHA, 24th, edition 3111 B-C	BDL (DL 0.05)	mg/l	0.1	No Relaxation

Note: BDL- Below Detection Limit, DL- Detection Limit

Page 2 of 3

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Note:

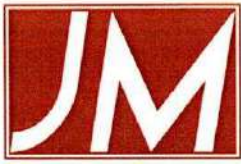
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TEST REPORT

Sample Number	JME/MLM/W/01	Report No	JME/W/251110231
Name & Address of Unit	Maliakhera Limestone Mine, ML No. 04/2003, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)	Format No.	7.8 F-01
		Party Reference No.	Nil
Sample Description	Ground Water	Reporting Date	17/11/2025
		Analysis Completion Date:	17/11/2025
		Analysis Start Date:	10/11/2025
Sampling Location	Portable & Domestic water (Handpump Mine Office Ground water)	Receipt Date	10/11/2025
Client Representative (Name & Designation)	Mr. Chandrakant Tiwari (Sr. Manager)	Sampling Date	07/11/2025
Sample collected by	JMEPL Team	Sampling Type	Grab
Latitude	24.689229 N	Preservation	Refrigerated
Longitude	74.611238 E	Environmental Condition during Sampling	Ambient Temp. 28°C, Cloudy Sky
Packing status:	Temporary sealed	Sample Quantity	250 ml
Sampling Protocol	JMELPL/STOP/04	Parameter Required	As per work order

TEST RESULTS

S. No.	Parameters	Test Method	Result	Unit	Specification as per IS 10500-2012
1.	<i>E. coli</i>	IS 15185	Absent	per 100ml	Shall not be detectable in 100 ml
2.	Total Coliform	IS 15185	Absent	per 100ml	Shall not be detectable in 100 ml

Page 3 of 3

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End of Report



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TEST REPORT

Sample Number	JME/MLM/W/02	Report No	JME/W/251110232
Name & Address of Unit	Maliakhera Limestone Mine, ML No. 04/2003, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Raiaasthan (INDIA)	Format No.	7.8 F-01
Sample Description	Ground Water	Party Reference No.	Nil
Sampling Location	Portable & Domestic water (Hand pump Near School of Pipliya village Ground water)	Reporting Date	17/11/2025
Client Representative (Name & Designation)	Mr. Chandrakant Tiwari (Sr. Manager)	Analysis Completion Date:	17/11/2025
Sample collected by	JMEPL Team	Analysis Start Date:	10/11/2025
Latitude	24.691297 N	Receipt Date	10/11/2025
Longitude	74.616312 E	Sampling Date	07/11/2025
Packing status:	Temporary sealed	Sampling Type	Grab
Sampling Protocol	JMELPL/STOP/04	Preservation	Refrigerated
		Environmental Condition during Sampling	Ambient Temp. 28°C, Cloudy Sky
		Sample Quantity	5.0 Litre
		Parameter Required	As per work order

TEST RESULTS

S. No.	Parameters	Test Method	Result	Unit	Specification as per IS 10500-2012	
					Requirement Acceptable Limit	Permissible Limit in the Absence of Alternate Source
1.	pH (at 25 °C)	IS:3025 (Part-11)	7.75	-	6.5 to 8.5	No Relaxation
2.	Colour	IS:3025 (Part 4)	BDL (DL 1.0)	Hazen Unit	5	15
3.	Turbidity	IS:3025 (Part-10)	BDL (DL 1.0)	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 CaCO ₃	IS:3025 (Part-21)	425.0	mg/l	200	600
7.	Calcium as Ca	IS:3025 (Part-40)	133.5	mg/l	75	200
8.	Alkalinity as CaCO ₃	IS:3025 (Part-23)	276.1	mg/l	200	600
9.	Chloride as Cl	IS:3025 (Part-32)	113.4	mg/l	250	1000
10.	Residual free Chlorine	IS:3025 (Part-26)	BDL (DL 0.20)	mg/l	0.2	1.0
11.	Cyanide	IS:3025 (Part-27) Sec 1	BDL (DL 0.02)	mg/l	0.05	No Relaxation
12.	Magnesium as Mg	IS:3025 (Part-46)	22.27	mg/l	30	100
13.	Total Dissolved Solids	IS:3025 (Part-16)	489.0	mg/l	500	2000
14.	Sulphate as SO ₄	APHA 24th Edition, 4500-SO4- E	24.56	mg/l	200	400
15.	Fluoride as F	APHA 24th Edition, 4500-F- D	0.40	mg/l	1	1.5
16.	Nitrate Nitrogen as NO ₂	IS:3025 (Part-34) sec 1: Para 6.3, Cadmium reduction method	11.20	mg/l	45	No Relaxation
17.	Iron as Fe	IS:3025 (Part-53)	0.10	mg/l	1	No Relaxation
18.	Aluminium as Al	IS:3025 (Part-55)	BDL(DL 0.03)	mg/l	0.03	0.2
19.	Boron as B	IS:3025 (Part-57)	BDL(DL 0.20)	mg/l	0.5	2.4

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Raikumar Yadav



Note:

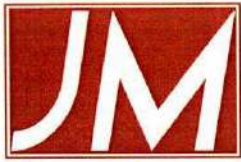
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TEST REPORT

Sample Number

JME/MLM/W/02

Report No

JME/W/251110232

S. No.	Parameters	Test Method	Result	Unit	Specification as per IS 10500-2012	
					Requirement Acceptable Limit	Permissible Limit in the Absence of Alternate Source
20.	Phenols	APHA 24th Edition 5540-Phenols-D, Direct Photometric	BDL (DL 0.001)	mg/l	0.001	0.002
21.	Anionic Surfactant	APHA 24th Edition, 5540 C	BDL (DL 0.02)	mg/l	0.2	1
22.	Hexa Chromium as Cr+6	IS:3025 (Part-52)	BDL (DL 0.03)	mg/l	--	--
23.	Zinc as Zn	IS:3025 (Part-49)	BDL (DL 0.01)	mg/l	5	15
24.	Copper as Cu	IS:3025 (Part-42)	BDL (DL 0.02)	mg/l	0.05	1.5
25.	Manganese as Mn	IS:3025 (Part-59)	BDL (DL 0.08)	mg/l	0.1	0.3
26.	Cadmium as Cd	IS:3025 (Part-41)	BDL (DL 0.002)	mg/l	0.003	No Relaxation
27.	Lead as Pb	IS:3025 (Part-47)	BDL (DL 0.008)	mg/l	0.01	No Relaxation
28.	Selenium as Se	IS:3025 (Part-56)	BDL (DL 0.005)	mg/l	0.01	No Relaxation
29.	Arsenic as As	IS:3025 (Part-37)	BDL (DL 0.002)	mg/l	0.01	No Relaxation
30.	Mercury as Hg	IS:3025 (Part-48)	BDL (DL 0.001)	mg/l	0.001	No Relaxation
31.	Sulphide (as H ₂ S)	IS 3025 (Part 29)	BDL (DL 0.05)	mg/l	0.05	No Relaxation
32.	Ammonia (NH ₃ -N)	APHA 24th Edition 4500-NH ₃ F : 2023	BDL (DL 0.1)	mg/l	0.5	No Relaxation
33.	Chloramines as Cl ₂	APHA 24th Edition 4500-Cl-G: 2023	BDL (DL 0.01)	mg/l	4.0	No Relaxation
34.	Chromium (Cr)	IS 3025 (Part 52)	BDL (DL 0.002)	mg/l	0.05	No Relaxation
35.	Barium as Ba	APHA ,24th Edition 3500 -Ba: 2023	BDL (DL 0.01)	mg/l	0.7	No Relaxation
36.	Silver (Ag)	APHA, 24th, edition 3111 B-C: 2023	BDL (DL 0.05)	mg/l	0.1	No Relaxation

Note: BDL- Below Detection Limit, DL- Detection Limit

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TEST REPORT

Sample Number	JME/MLM/W/02	Report No	JME/W/251110232
Name & Address of Unit	Maliakhera Limestone Mine, ML No. 04/2003, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Raiasthan (INDIA)	Format No.	7.8 F-01
Sample Description	Ground Water	Party Reference No.	Nil
Sampling Location	Portable & Domestic water (Hand pump Near School of Pipliya village Ground water)	Reporting Date	17/11/2025
Client Representative (Name & Designation)	Mr. Chandrakant Tiwari (Sr. Manager)	Analysis Completion Date:	17/11/2025
Sample collected by	JMEPL Team	Analysis Start Date:	10/11/2025
Latitude	24.691297 N	Receipt Date	10/11/2025
Longitude	74.616312 E	Sampling Date	07/11/2025
Packing status:	Temporary sealed	Sampling Type	Grab
Sampling Protocol	JMELPL/STOP/04	Preservation	Refrigerated
		Environmental Condition during Sampling	Ambient Temp. 28°C, Cloudy Sky
		Sample Quantity	250 ml
		Parameter Required	As per work order

TEST RESULTS

S. No.	Parameters	Test Method	Result	Unit	Specification as per IS 10500-2012
1.	<i>E. coli</i>	IS 15185	Absent	per 100ml	Shall not be detectable in 100 ml
2.	Total Coliform	IS 15185	Absent	per 100ml	Shall not be detectable in 100 ml

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Srishti Mehta



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End of Report



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TEST REPORT

Sample Number:	JME/MLM/SW/01	Report No.:	JME/SW/251110042
Name & Address of Unit:	Maliakhera Limestone Mine, ML No. 04/2003, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)	Format No.:	7.8 F-01
		Party Reference:	Nil
		Reporting Date:	17/11/2025
Sample Description:	Surface Water	Analysis Completion Date:	17/11/2025
Sample Location:	Portable & Domestic water (Maliakhera Mine-Pit water Surface Water)	Analysis Start Date:	10/11/2025
		Receipt Date:	10/11/2025
Client Representative (Name & Designation):	Mr. Chandrakant Tiwari (Sr. Manager)	Sampling Date:	07/11/2025
		Sampling Type:	Grab
Sample collected by	JMEPL Team	Preservation:	Refrigerated
Latitude :	24.689337 N	Environmental Condition during Sampling:	Ambient Temp. 26°C; Cloudy Sky
Longitude :	74.610461 E	Sample Quantity:	Approx. 5.0 Litre
Sampling Protocol:	JMELPL/STOP/04	Parameter Required:	As per work order

TEST RESULTS

S. No.	Parameters	Test Method	Result	Unit
1.	pH (at 25 °C)	IS:3025 (Part-11)	7.31	-
2.	Colour	IS:3025 (Part 4)	BDL(DL 1.0)	Hazen Unit
3.	Odour	IS:3025 (Part-5)	Agreeable	-
4.	Conductivity	APHA 24th Edition, 2510 B	595.0	µS/cm
5.	Turbidity	IS:3025 (Part-10)	BDL(DL 1.0)	NTU
6.	Total Hardness as CaCO ₃	IS:3025 (Part-21)	288.0	mg/l
7.	Calcium as Ca	IS:3025 (Part-40)	81.7	mg/l
8.	Magnesium as Mg	IS:3025 (Part-46)	20.41	mg/l
9.	Chloride as Cl	IS:3025 (Part-32)	54.0	mg/l
10.	Total Alkalinity as CaCO ₃	IS:3025 (Part-23)	116.0	mg/l
11.	Residual Chlorine	IS:3025 (Part-26)	BDL (DL 0.2)	mg/l
12.	Cyanide	IS:3025 (Part-27) sec 1	BDL (DL 0.02)	mg/l
13.	Dissolved Oxygen	IS:3025 (Part-38)	6.8	mg/l
14.	Chemical Oxygen Demand (COD)	IS:3025 (Part-58)	BDL (DL 5.0)	mg/l
15.	Biochemical Oxygen Demand (BOD)	IS:3025 (Part-44)	BDL (DL 1.0)	mg/l
16.	Total Dissolved Solids	IS:3025 (Part-16)	365.0	mg/l
17.	Total Suspended Solid	IS:3025 (Part-17)	4.0	mg/l
18.	Sodium as Na	IS:3025 (Part-45)	48.0	mg/l
19.	Potassium as K	IS:3025 (Part-45)	5.0	mg/l
20.	Sulphate as SO ₄	APHA 24th Edition, 4500-SO4-E	22.45	mg/l
21.	Fluoride as F	APHA 24th Edition, 4500-F- D	0.75	mg/l
22.	Nitrate Nitrogen as NO ₃	IS:3025 (Part-34) sec 1: Para 6.3, Cadmium reduction method	4.15	mg/l
23.	Iron as Fe	IS:3025 (Part-53)	0.08	mg/l

Checked by
Srishti Mehta

Page 1 of 3
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Rajkumar Yadav

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E-mail: jmenvironlab@hotmail.com | www.jmenvironet.org

Corporate Office

Emaar Digital Greens, Tower-B, Unit No.1517, Golf Course
Ext. Road, Sector-61, Gurugram-122011(Haryana)



TEST REPORT

Sample Number: **JME/MLM/SW/01**

Report No.: **JME/SW/251110042**

S. No.	Parameters	Test Method	Result	Unit
24.	Phosphate	APHA 24th Edition, 4500-P-C/D	BDL (DL 0.02)	mg/l
25.	Phenols	APHA 24thrd Edition 5540-Phenol-D, Direct Photometric	BDL (DL 0.001)	mg/l
26.	Hexa Chromium as Cr6+	IS:3025 (Part-52)	BDL (DL 0.03)	mg/l
27.	Boron as B	IS:3025 (Part-57)	BDL (DL 0.2)	mg/l
28.	Aluminium as Al	IS:3025 (Part-55)	BDL (DL 0.03)	mg/l
29.	Anionic Surfactant	APHA 24th Edition, 5540-C	BDL (DL 0.02)	mg/l
30.	Arsenic as As	IS:3025 (Part-37)	BDL (DL 0.002)	mg/l
31.	Mercury as Hg	IS:3025 (Part-48)	BDL (DL 0.001)	mg/l
32.	Selenium	IS:3025 (Part-56)	BDL (DL 0.005)	mg/l
33.	Cadmium as Cd	IS:3025 (Part-41)	BDL (DL 0.002)	mg/l
34.	Lead as Pb	IS:3025 (Part-47)	BDL (DL 0.008)	mg/l
35.	Nickel	IS:3025 (Part-54)	BDL (DL 0.005)	mg/l
36.	Zinc as Zn	IS:3025 (Part-49)	BDL (DL 0.1)	mg/l
37.	Manganese as Mn	IS:3025 (Part-59)	BDL (DL 0.08)	mg/l
38.	Copper as Cu	IS:3025 (Part-42)	BDL (DL 0.02)	mg/l

Note: BDL – Below Detection Limit, DL - Detection Limit

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TEST REPORT

Sample Number:	JME/MLM/SW/01	Report No.:	JME/SW/251110042
Name & Address of Unit:	Maliakhera Limestone Mine, ML No. 04/2003, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)	Format No.:	7.8 F-01
Sample Description:	Surface Water	Party Reference:	Nil
Sample Location:	Portable & Domestic water (Maliakhera Mine-Pit water Surface Water)	Reporting Date:	17/11/2025
Client Representative (Name & Designation):	Mr. Chandrakant Tiwari (Sr. Manager)	Analysis Completion Date:	17/11/2025
Sample collected by	JMEPL Team	Analysis Start Date:	10/11/2025
Latitude :	24.689337 N	Receipt Date:	10/11/2025
Longitude :	74.610461 E	Sampling Date:	07/11/2025
Sampling Protocol:	JMELPL/STOP/04	Sampling Type	Grab
		Preservation	Refrigerated
		Environmental Condition during Sampling	Ambient Temp. 26°C; Cloudy Sky
		Sample Quantity	Approx. 5.0 Litre
		Parameter Required	As per work order

TEST RESULTS

S. No.	Parameters	Test Method	Result	Unit
1.	<i>E. coli</i>	IS 1622	12	MPN/100ml
2.	Total Coliform	IS 1622	24	MPN/100ml

Page 3 of 3

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Shanti Mehta



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End of Report



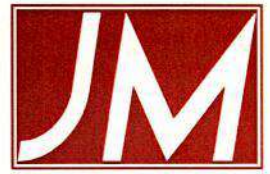
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TEST REPORT

Sample Number:	JME/MLM/SW/01	Report No.:	JME/SW/260113042
Name & Address of Unit:	Maliakhera Limestone Mine, ML No. 04/2003, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)	Format No.:	7.8 F-01
		Party Reference:	Nil
		Reporting Date:	17/01/2026
Sample Description:	Surface Water	Analysis Completion Date:	17/01/2026
Sample Location:	Portable & Domestic water (Maliakhera Mine-Pit water Surface Water)	Analysis Start Date:	13/01/2026
Client Representative (Name & Designation):	Mr. Chandrakant Tiwari (Sr. Manager)	Receipt Date:	13/01/2026
Sample collected by	JMELPL Team	Sampling Date:	12/01/2026
Latitude :	24.689337 N	Sampling Type	Grab
Longitude :	74.610461 E	Preservation	Refrigerated
Sampling Protocol:	JMELPL/STOP/04	Environmental Condition during Sampling	Ambient Temp. 19°C; Cloudy Sky
		Sample Quantity	Approx. 5.0 Litre
		Parameter Required	As per work order

TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit
1.	pH (at 25 °C)	IS:3025 (Part-11)	7.25	-
2.	Colour	IS:3025 (Part 4)	BDL (DL 1.0)	Hazen Unit
3.	Odour	IS:3025 (Part-5)	Agreeable	-
4.	Conductivity	APHA 24th Edition, 2510B	611.0	µS/cm
5.	Turbidity	IS:3025 (Part-10)	BDL (DL 1.0)	NTU
6.	Total Hardness as CaCO ₃	IS:3025 (Part-21)	296.0	mg/l
7.	Calcium as Ca	IS:3025 (Part-40)	84.7	mg/l
8.	Magnesium as Mg	IS:3025 (Part-46)	20.58	mg/l
9.	Chloride as Cl	IS:3025 (Part-32)	56.1	mg/l
10.	Total Alkalinity as CaCO ₃	IS:3025 (Part-23)	125.0	mg/l
11.	Residual Chlorine	IS:3025 (Part-26)	BDL (DL 0.2)	mg/l
12.	Cyanide	IS:3025 (Part-27) sec 1	BDL (DL 0.02)	mg/l
13.	Dissolved Oxygen	IS:3025 (Part-38)	7.0	mg/l
14.	Chemical Oxygen Demand (COD)	IS:3025 (Part-58)	BDL (DL 5.0)	mg/l
15.	Biochemical Oxygen Demand (BOD)	IS:3025 (Part-44)	BDL (DL 1.0)	mg/l
16.	Total Dissolved Solid	IS:3025 (Part-16)	392.0	mg/l
17.	Total Suspended Solid	IS:3025 (Part-17)	2.6	mg/l
18.	Sodium	IS:3025 (Part-45)	50.0	mg/l
19.	Potassium	IS:3025 (Part-45)	6.0	mg/l
20.	Sulphate as SO ₄	APHA 24th Edition, 4500-SO ₄ - E	23.50	mg/l
21.	Fluoride as F	APHA 24th Edition, 4500-F- D	0.77	mg/l
22.	Nitrogen Nitrate (as NO ₃)	IS:3025 (Part-34) sec 1: Para 6.3, Cadmium Reduction Method	3.94	mg/l
23.	Iron	IS:3025 (Part-53)	0.09	mg/l

Page 1 of 3

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Srishti Menta

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Kajkumar Yadav

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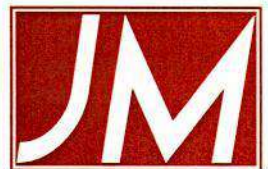
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TEST REPORT

Sample Number: **JME/MLM/SW/01**Report No.: **JME/SW/260113042**

S. No.	Test Parameter	Test Method	Result	Unit
24.	Phosphate	APHA 24th Edition, 4500-P-C/D	BDL (DL 0.02)	mg/l
25.	Phenols	APHA 24th Edition 5540-Phenols-D, Direct Photometric	BDL (DL 0.001)	mg/l
26.	Hexa Chromium as Cr6+	IS:3025 (Part-52)	BDL (DL 0.03)	mg/l
27.	Boron as B	IS:3025 (Part-57)	BDL (DL 0.2)	mg/l
28.	Aluminium	IS:3025 (Part-55)	BDL (DL 0.03)	mg/l
29.	Anionic Surfactant	APHA 24th Edition, 5540 C	BDL (DL 0.02)	mg/l
30.	Arsenic	IS:3025 (Part-37)	BDL (DL 0.002)	mg/l
31.	Mercury	IS:3025 (Part-48)	BDL (DL 0.001)	mg/l
32.	Selenium	IS:3025 (Part-56)	BDL (DL 0.005)	mg/l
33.	Cadmium	IS:3025 (Part-41)	BDL (DL 0.002)	mg/l
34.	Lead	IS:3025 (Part-47)	BDL (DL 0.008)	mg/l
35.	Nickel	IS:3025 (Part-54)	BDL (DL 0.005)	mg/l
36.	Zinc	IS:3025 (Part-49)	BDL (DL 0.1)	mg/l
37.	Manganese	IS:3025 (Part-59)	BDL (DL 0.08)	mg/l
38.	Copper	IS:3025 (Part-42)	BDL (DL 0.02)	mg/l

Note: BDL – Below Detection Limit, DL - Detection Limit

Page 2 of 3

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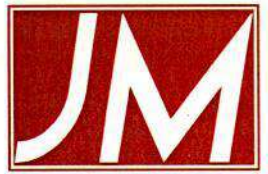
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TEST REPORT

Sample Number:	JME/MLM/SW/01	Report No.:	JME/SW/260113042
Name & Address of Unit:	Maliakhera Limestone Mine, ML No. 04/2003, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)	Format No.:	7.8 F-01
Sample Description:	Surface Water	Party Reference:	Nil
Sample Location:	Portable & Domestic water (Maliakhera Mine-Pit water Surface Water)	Reporting Date:	17/01/2026
Client Representative (Name & Designation):	Mr. Chandrakant Tiwari (Sr. Manager)	Analysis Completion Date:	17/01/2026
Sample collected by	JMELPL Team	Analysis Start Date:	13/01/2026
Latitude :	24.689337 N	Receipt Date:	13/01/2026
Longitude :	74.610461 E	Sampling Date:	12/01/2026
Sampling Protocol:	JMELPL/STOP/04	Sampling Type	Grab
		Preservation	Refrigerated
		Environmental Condition during Sampling	Ambient Temp. 19°C; Cloudy Sky
		Sample Quantity	Approx. 250 ml
		Parameter Required	As per work order

TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit
1.	<i>E. coli</i>	IS 1622	10	MPN/100ml
2.	Total Coliform	IS 1622	21	MPN/100ml

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Vineet Kumar

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Abhijit Pathak

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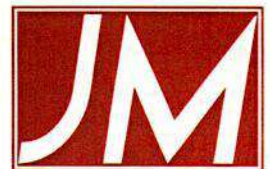
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TEST REPORT

Sample Number	JME/MLM/W/01	Report No	JME/W/260113231
Name & Address of Unit	Maliakhera Limestone Mine, ML No. 04/2003, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)	Format No.	7.8 F-01
Sample Description	Ground Water	Party Reference No.	Nil
Sampling Location	Portable & Domestic water (Handpump Mine Office Ground water)	Reporting Date	17/01/2026
Client Representative (Name & Designation)	Mr. Chandrakant Tiwari (Sr. Manager)	Analysis Completion Date:	17/01/2026
Sample collected by	JMELPL Team	Analysis Start Date:	13/01/2026
Latitude	24.689229 N	Receipt Date	13/01/2026
Longitude	74.611238 E	Sampling Date	12/01/2026
Packing status:	Temporary sealed	Sampling Type	Grab
Sampling Protocol	JMELPL/STOP/04	Preservation	Refrigerated
		Environmental Condition during Sampling	Ambient Temp. 18.5°C, Cloudy Sky
		Sample Quantity	Approx. 5.0 Litre
		Parameter Required	As per work order

TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit	Specification as per IS 10500-2012	
					Requirement Acceptable Limit	Permissible Limit in the Absence of Alternate Source
1.	pH (at 25 °C)	IS:3025 (Part-11)	7.66	-	6.5 to 8.5	No Relaxation
2.	Colour	IS:3025 (Part 4)	BDL (DL 1.0)	Hazen Unit	5	15
3.	Turbidity	IS:3025 (Part-10)	BDL (DL 1.0)	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 CaCO ₃	IS:3025 (Part-21)	190.0	mg/l	200	600
7.	Calcium as Ca	IS:3025 (Part-40)	41.36	mg/l	75	200
8.	Total Alkalinity as CaCO ₃	IS:3025 (Part-23)	129.0	mg/l	200	600
9.	Chloride as Cl	IS:3025 (Part-32)	92.9	mg/l	250	1000
10.	Residual Chlorine	IS:3025 (Part-26)	BDL (DL 0.20)	mg/l	0.2	1.0
11.	Cyanide	IS:3025 (Part-27) Sec 1	BDL (DL 0.02)	mg/l	0.05	No Relaxation
12.	Magnesium	IS:3025 (Part-46)	21.09	mg/l	30	100
13.	Total Dissolved Solid	IS:3025 (Part-16)	406.0	mg/l	500	2000
14.	Sulphate as SO ₄	APHA 24th Edition, 4500-SO ₄ - E	23.62	mg/l	200	400
15.	Fluoride as F	APHA 24th Edition, 4500-F- D	0.44	mg/l	1	1.5
16.	Nitrate Nitrogen (as NO ₃)	IS:3025 (Part-34) sec 1: Para 6.3, Cadmium reduction method	5.87	mg/l	45	No Relaxation
17.	Iron	IS:3025 (Part-53)	0.06	mg/l	1	No Relaxation
18.	Aluminium	IS:3025 (Part-55)	BDL (DL 0.03)	mg/l	0.03	0.2
19.	Boron as B	IS:3025 (Part-57)	BDL (DL 0.20)	mg/l	0.5	2.4

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Srishti Mehta

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TEST REPORT

Sample Number

JME/MLM/W/01

Report No

JME/W/260113231

S. No.	Test Parameter	Test Method	Result	Unit	Specification as per IS 10500-2012	
					Requirement Acceptable Limit	Permissible Limit in the Absence of Alternate Source
20.	Phenols	APHA 24th Edition 5540-Phenols-D, Direct Photometric	BDL (DL 0.001)	mg/l	0.001	0.002
21.	Anionic Surfactant	APHA 24th Edition, 5540 C	BDL (DL 0.02)	mg/l	0.2	1
22.	Hexa Chromium as Cr+6	IS:3025 (Part-52)	BDL (DL 0.03)	mg/l	--	--
23.	Zinc	IS:3025 (Part-49)	BDL (DL 0.1)	mg/l	5	15
24.	Copper	IS:3025 (Part-42)	BDL (DL 0.02)	mg/l	0.05	1.5
25.	Manganese	IS:3025 (Part-59)	BDL (DL 0.08)	mg/l	0.1	0.3
26.	Cadmium	IS:3025 (Part-41)	BDL (DL 0.002)	mg/l	0.003	No Relaxation
27.	Lead	IS:3025 (Part-47)	BDL (DL 0.008)	mg/l	0.01	No Relaxation
28.	Selenium	IS:3025 (Part-56)	BDL (DL 0.005)	mg/l	0.01	No Relaxation
29.	Arsenic	IS:3025 (Part-37)	BDL (DL 0.002)	mg/l	0.01	No Relaxation
30.	Mercury	IS:3025 (Part-48)	BDL (DL 0.001)	mg/l	0.001	No Relaxation
31.	Sulphide	IS 3025 (Part 29) Para 6 Iodometric Method	BDL (DL 0.05)	mg/l	0.05	No Relaxation
32.	Ammonical Nitrogen	IS 3025 (Part 34) sec 1	BDL (DL 0.1)	mg/l	0.5	No Relaxation
33.	Chloramines	APHA 24th Edition 4500-CI-G	BDL (DL 0.01)	mg/l	4.0	No Relaxation
34.	Total Chromium	IS 3025 (Part 52)	BDL (DL 0.002)	mg/l	0.05	No Relaxation
35.	Barium	APHA ,24th Edition 3500 -Ba	BDL (DL 0.01)	mg/l	0.7	No Relaxation
36.	Silver	APHA, 24th, edition 3111 B-C	BDL (DL 0.05)	mg/l	0.1	No Relaxation

Note: BDL- Below Detection Limit, DL- Detection Limit

Page 2 of 3

Srishti
Checked by
Srishti Mehta

Reviewed & Authorized by
Rajkumar Yadav

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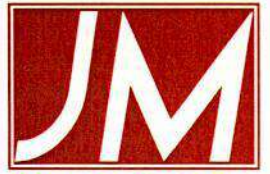
TC-6821

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E-mail: jmenvirolab@hotmail.com www.jmenvirolab.com



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TEST REPORT

Sample Number	JME/MLM/W/01	Report No	JME/W/260113231
Name & Address of Unit	Maliakhera Limestone Mine, ML No. 04/2003, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)	Format No.	7.8 F-01
		Party Reference No.	Nil
Sample Description	Ground Water	Reporting Date	17/01/2026
		Analysis Completion Date:	17/01/2026
		Analysis Start Date:	13/01/2026
Sampling Location	Portable & Domestic water (Handpump Mine Office Ground water)	Receipt Date	13/01/2026
Client Representative (Name & Designation)	Mr. Chandrakant Tiwari (Sr. Manager)	Sampling Date	12/01/2026
Sample collected by	JMELPL Team	Sampling Type	Grab
Latitude	24.689229 N	Preservation	Refrigerated
Longitude	74.611238 E	Environmental Condition during Sampling	Ambient Temp. 18.5°C, Cloudy Sky
Packing status:	Temporary sealed	Sample Quantity	Approx. 250 ml
Sampling Protocol	JMELPL/STOP/04	Parameter Required	As per work order

TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit	Specification as per IS 10500-2012
1.	E. coli	IS 15185	Absent	per 100ml	Shall not be detectable in 100 ml
2.	Total Coliform	IS 15185	Absent	per 100ml	Shall not be detectable in 100 ml

Page 3 of 3

Checked by
Vineet KumarReviewed & Authorized by
Abhijit Pathak**Note:**

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End of Report



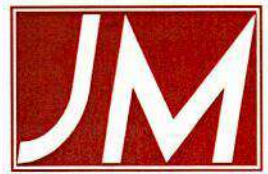
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TEST REPORT

Sample Number	JME/MLM/W/02	Report No	JME/W/260113232
Name & Address of Unit	Maliakhera Limestone Mine, ML No. 04/2003, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Raiaasthan (INDIA)	Format No.	7.8 F-01
Sample Description	Ground Water	Party Reference No.	Nil
Sampling Location	Portable & Domestic water (Hand pump Near School of Pipliya village Ground water)	Reporting Date	17/01/2026
Client Representative (Name & Designation)	Mr. Chandrakant Tiwari (Sr. Manager)	Analysis Completion Date:	17/01/2026
Sample collected by	JMELPL Team	Analysis Start Date:	13/01/2026
Latitude	24.691297 N	Receipt Date	13/01/2026
Longitude	74.616312 E	Sampling Date	12/01/2026
Packing status:	Temporary sealed	Sampling Type	Grab
Sampling Protocol	JMELPL/STOP/04	Preservation	Refrigerated
		Environmental Condition during Sampling	Ambient Temp. 18.5°C, Cloudy Sky
		Sample Quantity	Approx. 5.0 Litre
		Parameter Required	As per work order

TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit	Specification as per IS 10500-2012	
					Requirement Acceptable Limit	Permissible Limit in the Absence of Alternate Source
1.	pH (at 25 °C)	IS:3025 (Part-11)	7.59	-	6.5 to 8.5	No Relaxation
2.	Colour	IS:3025 (Part 4)	BDL (DL 1.0)	Hazen Unit	5	15
3.	Turbidity	IS:3025 (Part-10)	BDL (DL 1.0)	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	IS:3025 (Part-21)	438.0	mg/l	200	600
7.	Calcium as Ca	IS:3025 (Part-40)	135.0	mg/l	75	200
8.	Total Alkalinity as CaCO3	IS:3025 (Part-23)	223.0	mg/l	200	600
9.	Chloride as Cl	IS:3025 (Part-32)	116.7	mg/l	250	1000
10.	Residual Chlorine	IS:3025 (Part-26)	BDL (DL 0.20)	mg/l	0.2	1.0
11.	Cyanide	IS:3025 (Part-27) Sec 1	BDL (DL 0.02)	mg/l	0.05	No Relaxation
12.	Magnesium	IS:3025 (Part-46)	24.59	mg/l	30	100
13.	Total Dissolved Solid	IS:3025 (Part-16)	526.0	mg/l	500	2000
14.	Sulphate as SO4	APHA 24th Edition, 4500-SO4- E	25.49	mg/l	200	400
15.	Fluoride as F	APHA 24th Edition, 4500-F- D	0.43	mg/l	1	1.5
16.	Nitrate Nitrogen (as NO3)	IS:3025 (Part-34) sec 1: Para 6.3, Cadmium reduction method	9.8	mg/l	45	No Relaxation
17.	Iron	IS:3025 (Part-53)	0.12	mg/l	1	No Relaxation
18.	Aluminium	IS:3025 (Part-55)	BDL (DL 0.03)	mg/l	0.03	0.2
19.	Boron as B	IS:3025 (Part-57)	BDL (DL 0.20)	mg/l	0.5	2.4

Page 1 of 3

Srishti
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Srishti Mehta

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Rajkumar Yadav

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TC-6821

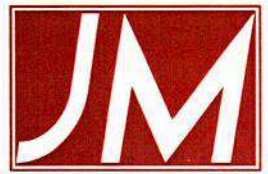
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E-mail: jmenvirolab@hotmail.com www.jmenvirolab.com

CIN No. :U74220HR2011PTC085756



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TEST REPORT

Sample Number

JME/MLM/W/02

Report No

JME/W/260113232

S. No.	Test Parameter	Test Method	Result	Unit	Specification as per IS 10500-2012	
					Requirement Acceptable Limit	Permissible Limit in the Absence of Alternate Source
20.	Phenols	APHA 24th Edition 5540-Phenols-D, Direct Photometric	BDL (DL 0.001)	mg/l	0.001	0.002
21.	Anionic Surfactant	APHA 24th Edition, 5540 C	BDL (DL 0.02)	mg/l	0.2	1
22.	Hexa Chromium as Cr+6	IS:3025 (Part-52)	BDL (DL 0.03)	mg/l	--	--
23.	Zinc	IS:3025 (Part-49)	BDL (DL 0.1)	mg/l	5	15
24.	Copper	IS:3025 (Part-42)	BDL (DL 0.02)	mg/l	0.05	1.5
25.	Manganese	IS:3025 (Part-59)	BDL (DL 0.08)	mg/l	0.1	0.3
26.	Cadmium	IS:3025 (Part-41)	BDL (DL 0.002)	mg/l	0.003	No Relaxation
27.	Lead	IS:3025 (Part-47)	BDL (DL 0.008)	mg/l	0.01	No Relaxation
28.	Selenium	IS:3025 (Part-56)	BDL (DL 0.005)	mg/l	0.01	No Relaxation
29.	Arsenic	IS:3025 (Part-37)	BDL (DL 0.002)	mg/l	0.01	No Relaxation
30.	Mercury	IS:3025 (Part-48)	BDL (DL 0.001)	mg/l	0.001	No Relaxation
31.	Sulphide	IS 3025 (Part 29) Para 6 Iodometric Method	BDL (DL 0.05)	mg/l	0.05	No Relaxation
32.	Ammonical Nitrogen	IS 3025 (Part 34) sec 1	BDL (DL 0.1)	mg/l	0.5	No Relaxation
33.	Chloramines	APHA 24th Edition 4500-Cl-G	BDL (DL 0.01)	mg/l	4.0	No Relaxation
34.	Total Chromium	IS 3025 (Part 52)	BDL (DL 0.002)	mg/l	0.05	No Relaxation
35.	Barium	APHA, 24th Edition 3500 -Ba	BDL (DL 0.01)	mg/l	0.7	No Relaxation
36.	Silver	APHA, 24th, edition 3111 B-C	BDL (DL 0.05)	mg/l	0.1	No Relaxation

Note: BDL- Below Detection Limit, DL- Detection Limit

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Srishti Mehta

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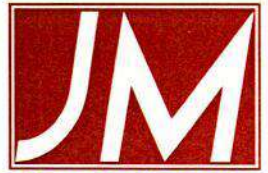
TC-6821

CIN No. :U74220HR2011PTC095756

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E-mail: jmenvirolab@hotmail.com www.jmenvirolab.com



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TEST REPORT

Sample Number	JME/MLM/W/02	Report No	JME/W/260113232
Name & Address of Unit	Maliakhera Limestone Mine, ML No. 04/2003, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)	Format No.	7.8 F-01
Sample Description	Ground Water	Party Reference No.	Nil
Sampling Location	Portable & Domestic water (Hand pump Near School of Pipliya village Ground water)	Reporting Date	17/01/2026
Client Representative (Name & Designation)	Mr. Chandrakant Tiwari (Sr. Manager)	Analysis Completion Date:	17/01/2026
Sample collected by	JMELPL Team	Analysis Start Date:	13/01/2026
Latitude	24.691297 N	Receipt Date	13/01/2026
Longitude	74.616312 E	Sampling Date	12/01/2026
Packing status:	Temporary sealed	Sampling Type	Grab
Sampling Protocol	JMELPL/STOP/04	Preservation	Refrigerated
		Environmental Condition during Sampling	Ambient Temp. 18.5°C, Cloudy Sky
		Sample Quantity	Approx. 250 ml
		Parameter Required	As per work order

TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit	Specification as per IS 10500-2012
1.	<i>E. coli</i>	IS 15185	Absent	per 100ml	Shall not be detectable in 100 ml
2.	Total Coliform	IS 15185	Absent	per 100ml	Shall not be detectable in 100 ml

Page 3 of 3

Checked by
Vineet Kumar

Reviewed & Authorized by
Abhijit Pathak

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End of Report

Parameter Report	
JK Cement Works	
Generated On : 2026-05-25 07:57:44	Generated By : Environment Nimbahera
Duration : 2025-10-01T00:00:00+05:30 - 2026-03-31T13:26:00+05:30	Sub Locations : Telemetry BW_8 (Maliakhera Mine)
Parameters : Water Level	

S.no	Time	Telemetry BW_8 (Maliakhera Mine) Water Level (m)(avg)
1	2025-10-01T00:00:00+05:30	7.69
2	2025-11-01T00:00:00+05:30	7.84
3	2025-12-01T00:00:00+05:30	11.18
4	2026-01-01T00:00:00+05:30	12.22
5	2026-02-01T00:00:00+05:30	14.48
6	2026-03-01T00:00:00+05:30	15.12

o/c

Ref. No.: 839

Date: 13/10/2025

To,

Chief Executive officer,

Zila Parishad, Chittorgarh

Near Railway Over Bridge

Chittorgarh – 312001, Rajasthan

Subject: Proposed Expansion under para 7(ii) of EIA Notification 2006 in Maliakhera Limestone Mine (ML Area : 315.409 Ha) with increased production capacity of limestone from 5.6 Million Tons Per Annum (MTPA) to 6.7 Million TPA including installation of 1500 TPH capacity of crusher at Village- Maliakhera, Tehsil- Nimbahera, District- Chittorgarh in the state of Rajasthan. - **Submission of Copy of Environment Clearance.**

Ref.: Environment Clearance letter issued by MoEF&CC, IA Division *vide* File No: IA-J-11015/42/2019-IA-II(M) dated 03rd October., 2025.

Sir,

With reference to the aforesaid subject; we would like to inform you that M/s. JK Cement Ltd. has Proposed Expansion under para 7(ii) of EIA Notification 2006 in Maliakhera Limestone Mine (ML Area : 315.409 Ha) with increased production capacity of limestone from 5.6 Million Tons Per Annum (MTPA) to 6.7 Million TPA including installation of 1500 TPH capacity of crusher at Village- Maliakhera, Tehsil- Nimbahera, District- Chittorgarh in the state of Rajasthan for which Environment Clearance has been granted by MoEF&CC, IA Division *vide* File No IA-J-11015/42/2019-IA-II(M) dated 03rd October., 2025.

Now, as per the EC Miscellaneous Condition no. 16.11, we are hereby submitting you the copy of Environment Clearance for the above said project for your kind consideration & record.

Thanking you & with regards,

For M/s. JK Cement Limited


Manish Toshniwal

Unit Head (Operations)

Encl.: as above


Jyoti
15/10/25

Corporate Office

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

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WallMax X
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Jharli (Haryana) | Katni (M.P.) | Aligarh (U.P.) | Balasinor (Gujarat)

Ref. No.: 840

Date: 13/10/2025

To,

General Manager

District Industries Centre

Industrial Area, Chanderiya

Chittorgarh

Subject: Proposed Expansion under para 7(ii) of EIA Notification 2006 in Maliakhera Limestone Mine (ML Area : 315.409 Ha) with increased production capacity of limestone from 5.6 Million Tons Per Annum (MTPA) to 6.7 Million TPA including installation of 1500 TPH capacity of crusher at Village- Maliakhera, Tehsil- Nimbahera, District- Chittorgarh in the state of Rajasthan. - **Submission of Copy of Environment Clearance.**

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Thanking you & with regards,

For M/s. JK Cement Limited


Manish Toshniwal

Unit Head (Operations)

Encl.: as above

Received
मि. प्रमोद सिंह
विभा. उद्योग के. २
चिचोडगढ़

Corporate Office

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

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JK CEMENT
WallMaxX
White Cement Wall Putty



Ref. No.: 84/

Date: 13/10/2025

To,
The District Collector
Chittorgarh, Rajasthan

Subject: Proposed Expansion under para 7(ii) of EIA Notification 2006 in Maliakhera Limestone Mine (ML Area : 315.409 Ha) with increased production capacity of limestone from 5.6 Million Tons Per Annum (MTPA) to 6.7 Million TPA including installation of 1500 TPH capacity of crusher at Village- Maliakhera, Tehsil- Nimbahera, District- Chittorgarh in the state of Rajasthan. - *Submission of Copy of Environment Clearance.*

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Thanking you & with regards,

For M/s. JK Cement Limited


Manish Toshniwal
Unit Head (Operations)

Encl.: as above

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आवक शाखा
जिला कलेक्टर कार्यालय
चित्तौड़गढ़

15/10/25

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Registered Office : Kaml Tower, Kanpur-208001, U.P., India. +91-512-2371478 to 85 91-512-2399854 www.jkcement.com

शहर-समाज

दैनिक भास्कर, भीलवाड़ा, मंगलवार, 7 अक्टूबर, 2025 19

भील समाज के प्रतिभावान बच्चों का सम्मान

भास्कर न्यूज़ | कपासन

राजस्थान भील समाज विकास समिति जिला शाखा की ओर से वीर भील योद्धा राणापूजा जयंती समारोह व आमसभा तीर्थ स्थल शनि देव आली में हुआ। प्रतिभावान बालकों को सम्मानित किया गया। जिलाध्यक्ष देवीलाल भील अडाना की अध्यक्षता व शनि महाराज भाजपा मंडल अध्यक्ष रतननाथ रोलिया, शनि देव ट्रस्ट अध्यक्ष नरेंद्रपाल सिंह चौहान कांग्रेस क्रमेटी शनि महाराज अध्यक्ष कैलाश चंद्र गाडरी के आतिथ्य में आयोजित में हुआ।

युवा संगठन मीडिया प्रभारी राधेश्याम भील उसरोल ने बताया कि समारोह में वक्ताओं ने वीर भील योद्धा राणापूजा की जीवनी पर प्रकाश डालते हुए कहा कि राणा पूजा ने महाराणा प्रताप का सदैव साथ दिया। इस पर महाराणा प्रताप ने राणा पूजा भील को भाई का दर्जा दिया। समाज में बालक बालिकाओं को शिक्षा से जोड़ना, मृत्यु भोज बंद करना, बाल विवाह बंद करना, जिला मुख्यालय पर छात्रावास के



प्रतिभावान बालकों को सम्मानित करते भील समाज विकास समिति के पदाधिकारी।

लिए जमीन आवंटन कराना, समाज में फैली कुरीतियों पर अंकुश लगाना, सरकार की कल्याणकारी योजनाओं को समाज के प्रत्येक घर तक पहुंचाने पर जोर दिया। बबराणा प्रशासक गौतम विजयवर्गीय, आरक्षण मंच के जिलाध्यक्ष पणूलाल भील, प्रदेश सलाहकार रतनलाल भील पहुंचा, जिला महासचिव श्यामलाल भील सिंहपुर, जिला खेल प्रभारी भैरूलाल भील सिंहपुर, जिला उपाध्यक्ष माधव लाल उसरोल, नारूलाल बाबूलाल रोलिया, राशमी तहसील अध्यक्ष गेहरीलाल कपासन तहसील अध्यक्ष संपत लाल भदेसर तहसील अध्यक्ष पवन कुमार भील, भूपालसागर तहसील अध्यक्ष पवन कुमार भील, बड़ी सादड़ी तहसील अध्यक्ष भोपराज ओरवाड़िया सहित समाजजन मौजूद रहे।

Public Notice

Public at large is hereby informed that the Ministry of Environment, Forest and Climate Change, Government of India, has granted Environmental Clearance (EC), vide File No. IA-J-11015/42/2019-IA-II(M), dated 3rd October, 2025, to M/s J.K. Cement Limited for the Proposed Expansion under para 7(ii) of EIA Notification 2006 in Malakhera Limestone Mine (ML Area : 315.409 Ha) with increased production capacity of limestone from 5.6 Million Tons Per Annum (MTPA) to 6.7 Million TPA including installation of 1500 TPH capacity of crusher at Village- Malakhera, Tehsil - Nimbahera, District- Chittorgarh (Rajasthan). Copies of the clearance letter are available with the Rajasthan State Pollution Control Board and can be seen at the Website of Ministry of Environment, Forest and Climate Change: <https://pairvish.nic.in>.

M/s J.K. Cement Limited
Kamla Tower, Kapsar, Uttar Pradesh - 208001,
Kapsar Nagar, Uttar Pradesh - 208001

सार्वजनिक सूचना

सर्व साधारण को सूचित किया जाता है कि पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार ने फाइल संख्या IA-J-11015/42/2019-IA-II(M), दिनांक 03 अक्टूबर, 2025 के तहत मेसर्स जे.के. सीमेंट लिमिटेड द्वारा प्रस्तावित मालियारोड़ा चूना पत्थर खदान में ई.आई.ए. अधिसूचना, 2006 के पैरा 7(ii) के अंतर्गत विस्तार परियोजना (खनन पट्टा क्षेत्रफल: 315.409 हे.) में चूना पत्थर की उत्पादन क्षमता को 5.6 मिलियन टीपीए (MTPA) से बढ़ाकर 6.7 मिलियन टीपीए (MTPA) करने, जिसमें 1500 टीपीएच क्षमता के क्रशर की स्थापना भी शामिल है, ग्राम-मालियारोड़ा, तहसील-निंबाहोड़ा, जिला-चित्तौड़गढ़, राजस्थान के लिए पर्यावरण स्वीकृति प्रदान की गई है। उपरोक्त स्वीकृति पत्र की प्रति राजस्थान राज्य प्रदूषण नियंत्रण मंडल के एवं पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय की वेब साइट <https://pairvish.nic.in> पर जनसाधारण के लिए उपलब्ध है।

मेसर्स जे.के. सीमेंट लिमिटेड
कमला टावर, कानपुर, उत्तर प्रदेश 208001,
कानपुर नगर, उत्तर प्रदेश - 208001

ये दिवाली फैमिली संग

दिनांक 14 अक्टूबर 2025

Ref. No.: 897

Date: 17.10.2025

To,
The Principal
Govt. Senior Secondary School,
Village: - Bansa Murlia, District Chittorgarh (Rajasthan)

Subject: Proposed Expansion under para 7(ii) of EIA Notification 2006 in Maliakhera Limestone Mine (ML Area: 315.409 Ha) with increased production capacity of limestone from 5.6 Million Tons Per Annum (MPA) to 6.7 Million TPA including installation of 1500 TPH capacity of crusher at Village- Maliakhera, Tehsil- Nimbahera, District- Chittorgarh in the state of Rajasthan. - **Submission of Copy of Environment Clearance.**

Ref.: Environment Clearance letter issued by MoEF&CC, IA Division vide File No: IA-J-11015/42/2019-IA-II(M) dated 03rd October., 2025.

Sir,

With reference to the aforesaid subject; we would like to inform you that M/s. JK Cement Ltd. has Proposed Expansion under para 7(ii) of EIA Notification 2006 in Maliakhera Limestone Mine (ML Area : 315.409 Ha) with increased production capacity of limestone from 5.6 Million Tons Per Annum (MPA) to 6.7 Million TPA including installation of 1500 TPH capacity of crusher at Village- Maliakhera, Tehsil- Nimbahera, District- Chittorgarh in the state of Rajasthan for which Environment Clearance has been granted by MoEF&CC, IA Division vide File No IA-J-11015/42/2019-IA-II(M)dated 03rd October., 2025.

Now, as per the EC Specific Condition no. 1.2, we are hereby submitting you the copy of Environment Clearance for the above said project for your kind consideration & record.

Thanking you & with regards,

For M/s. JK Cement Limited



Manish Toshniwal
Unit Head (Operations)

Encl.: as above

G.S.W.
प्रधानाचार्य 27-10-2025

राज. उच्च माध्यमिक विद्यालय बंसा
जिला - चित्तौड़गढ़, राज.

Corporate Office

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

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Manufacturing Units at :
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Jharli (Haryana) | Katni (M.P.) | Aligarh (U.P.) | Balasinor (Gujarat)



Ref. No.: 898

Date: 17.10.2025

To,
The Principal,
Government Elementary School,
Village :- Peepaliya Gadia, District Chittorgarh (Rajasthan).

Subject: Proposed Expansion under para 7(ii) of EIA Notification 2006 in Maliakhera Limestone Mine (ML Area: 315.409 Ha) with increased production capacity of limestone from 5.6 Million Tons Per Annum (MTPA) to 6.7 Million TPA including installation of 1500 TPH capacity of crusher at Village- Maliakhera, Tehsil- Nimbahera, District- Chittorgarh in the state of Rajasthan. - **Submission of Copy of Environment Clearance.**

Ref.: Environment Clearance letter issued by MoEF&CC, IA Division *vide* File No: IA-J-11015/42/2019-IA-II(M) dated 03rd October., 2025.

Sir,

With reference to the aforesaid subject; we would like to inform you that M/s. JK Cement Ltd. has Proposed Expansion under para 7(ii) of EIA Notification 2006 in Maliakhera Limestone Mine (ML Area : 315.409 Ha) with increased production capacity of limestone from 5.6 Million Tons Per Annum (MTPA) to 6.7 Million TPA including installation of 1500 TPH capacity of crusher at Village- Maliakhera, Tehsil- Nimbahera, District- Chittorgarh in the state of Rajasthan for which Environment Clearance has been granted by MoEF&CC, IA Division *vide* File No IA-J-11015/42/2019-IA-II(M)dated 03rd October., 2025.

Now, as per the EC Specific Condition no.1.2, we are hereby submitting you the copy of Environment Clearance for the above said project for your kind consideration & record.

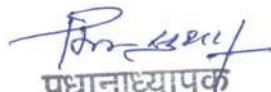
Thanking you & with regards,

For M/s. JK Cement Limited



Manish Toshniwal
Unit Head (Operations)

Encl.: as above



प्रधानाध्यापक
रा.प्रा.वि. पिपलिया गदिया
पं.स. निम्बाहेड़ा, जिला- चित्तौड़गढ़ (राज.)

Corporate Office

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

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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



Maliakhera Limestone Mines
Land Acquisition Details and proposed land procurement plan

Type of land	Total land (Ha)	Procured (Ha)	Not Procured (Ha)	Land planned to be procured upto 2034 (Ha)
Pvt	198.409	154.8	43.609	2.32
Govt	40	34.62	5.38	0
Charnot	77	77	0	0
Total	315.409	266.42	48.989	2.32

Photographs of Permanent Sprinkler and tankers



FORM - O

(See rule 29F (2) and 29L)

Report of Medical Examination under rule 29 B

(To be issued in triplicate **)

Certificate No.....

Certified that Shri **Devi Singh Rajput S/o Shri...Kalu Singh Rajput...** Employed as **Driver (Shree Bherunath Goods Carrier)** at **Amalgamated Karunda Malia Khera Lime Stone Mines** Form A **240**
No - has been examined for an **initial** / periodical medical examination. He appears to be **28** years of age.

The findings of the examining authority are given in the attached sheet. It is considered that -

Devi Singh Rajput S/o Shri...Kalu Singh Rajput

- (a) * is medically fit for any employment in mines, ✓
- (b) * is suffering fromand is medically unfit for - ✗
 - (i) any employment in mine ; or
 - (ii) any employment below ground ; or
 - (iii) any employment or work

(c) * is suffering fromshould get this disability cured / controlled * and should be again examined ✗
within a period ofmonths. He will appear for re- examination with the result of test of and
the opinion of

Specialist from He may be permitted / not permitted * to carry on his duties during this period



Signature of the examining authority
S. R. CHAUDHARY
 C.M.O.
 Authority, Cement Works
 NIMBAHERA (Raj.)
 Reg. No. 21732
 Name and designation in
 Block letters.

*Delete whatever is not applicable** One copy of the certificate shall be handed over to the person concerned and another copy shall be sent to the manager of the mine concerned by registered post ; and the third copy shall be retained by the examining authority.

FORM - O (Continued)

8. Abdomen
(i)

Report of the examination authority

(To be filled in for every medical examination whether initial or periodical or re- examination or after cure / control of disability)

Annexure to certificate No. _____ as a result of medical examination on _____

Identification Mark A black mole over  Left shoulder

Left thumb impression of the candidate.

1. **General Development** Good / Fair / Poor

2. **Height** 178 cms.

3. **Weight** 64 kg.

4. **Eyes :-**

(i) Visual acuity N Distance vision (with or without glasses)

(ii) Any organic disease of eyes none

(iii) Night blindness NAD

(iv) Color blindness NAD

(v) Squint _____

(to be tested in special cases)

5. **Ears :-**

(i) Hearing Right ear N Left ear N

(ii) Any organic disease none

6. **Respiratory system (Chest measurement) :-**

(i) After full inspiration 84 cms.

(ii) After full expiration 81 cms.

7. **Circulatory system :-**

(i) Blood Pressure 130/72 mmHg

(ii) Pulse 62/min

8. Abdomen :-

- (i) Tenderness----- none
- (ii) Liver----- NP
- (iii) Spleen----- NP
- (iii) Tumor----- not seen

9. Nervous system :-

- (i) History of fits or epilepsy----- no
- (ii) Paralysis----- no
- (iii) Mental Health----- fair

10. Locomotors system----- no

11. Skin----- no

12. Hernia----- not seen

13. Hydrocele----- not seen

14. Any other abnormality----- none

15. Urine :-

- (i) Reaction----- acidic
- (ii) Albumin----- nil
- (iii) Sugar----- nil

16. Skiagram of chest. NAD

17. Any other test considered necessary by the examining authority. -----

18. Any opinion of specialist considered necessary-----

Signature of the examining Authority.

S. R. CHAUDHARY
C.M.O.
Jr. Genl. Works
NIMBAHERA (Raj.)
Reg. No. 21732

Place: - Nimbahera

Report of Medical Examination under Mines Rules 29 B

(To be used in continuation of Form O)

Certificate No.: -

Name: - Devi Singh Rajput S/o Shri...Kalu Singh Rajput

Identification Marks: -

A black mole over  shoulder

Result of Lung Function Test (Spirometry)

Particulars	Predicted Value	Performed Value	% of Predicted
Forced Vital Capacity (FEV)	4.02	3.37	84
Forced Vital Capacity -1 (FEV)	3.40	3.37	99
FEV-1 / FVC	84.58	100	118
Peak Expiratory Flow	9.84	11.80	120

Spirometry report enclosed

Signature of Examination Authority

Dr. S. K. CHAUDHARY

C.M.O.

J. K. Coal Works

NIMBAHERA (Raj.)

Reg. No. 21732

Report of Medical Examination as per the recommendations of National Safety Conference in Mines

(To be used in continuation of Form O)

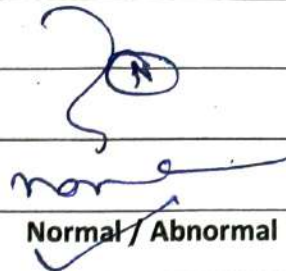
Certificate No.: -

Name: - Devi Singh Rajput S/o Shri...Kalu Singh Rajput

Identification Marks: -

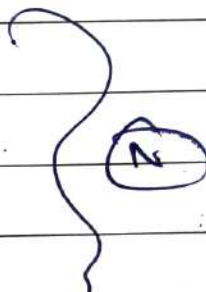
A black mole over  shoulder

01. Cardio logical Assessment: -

Auscultation	S1	
	S2	
	Additional Sound	
Electrocardiographs (12 leads) findings		Normal / Abnormal

Enclosed ECG

02. Neurological Assessment: -

Findings	Normal / Abnormal
Superficial Reflexes	
Deep Reflexes	
Peripheral Circulation	
Vibrational Syndromes	

03. ILO Classifications of Chest Radiograph: -

Profusion of Pneumoconiosis opacities	Grade	Types
Present / Absent	-	-

Enclose Chest Radiograph

Continued: -

04. Audiometry Findings:-

Conduction Type	Left Ear	Right Ear
Air Conduction	Normal / Abnormal	Normal / Abnormal
Bone Conduction	Normal / Abnormal	Normal / Abnormal

Enclosed Audiometry Report

JKCEME

Employee Det
Report No
Age

05. Pathological / Microbiological Investigations: -

Sr. No.	Tests	Findings
01.	Blood- Tlc, Dlc, Hb, ESR, Platelets	WNL / Abnormal
02.	Blood Sugar – Fasting & PP	WNL / Abnormal
03.	Lipid Profile	WNL / Abnormal
04.	Blood Urine , Creatinine	WNL / Abnormal
05.	Urine Routine	WNL / Abnormal
06.	Stool Routine	WNL / Abnormal

06. Special Test of Mnref Exposure:-

Behavioral Disturbances		Present / Not Present
Neurological Disturbance	Special Defect	Present / Not Present
	Tremor	Present / Not Present
	Adiadocokinesia	Present / Not Present
	Emotional Changes	Present / Not Present

Any other Test Required


Signature of Examination Authority

Dr. S. K. CHAUDHARY
C.M.O.
Regd. No. J. K. Cement Works
NIMBAHERA (Raj.)
Reg. No. 21732

Date/Time Vert at 14:16:04 January 14, 2026
Trigger Source Geo: 0.300 mm/s
Range Geo: 254.0 mm/s
Record Time 3.0 sec at 1024 sps
Operator/Setup: R K JOSHI/Maliakhera Mine.MMB

Serial Number UM17400 V 10-90FB Micromate ISEE
Battery Level 3.8 Volts
Unit Calibration July 12, 2025 by UES New Delhi
File Name UM17400_20260114141604.IDFW

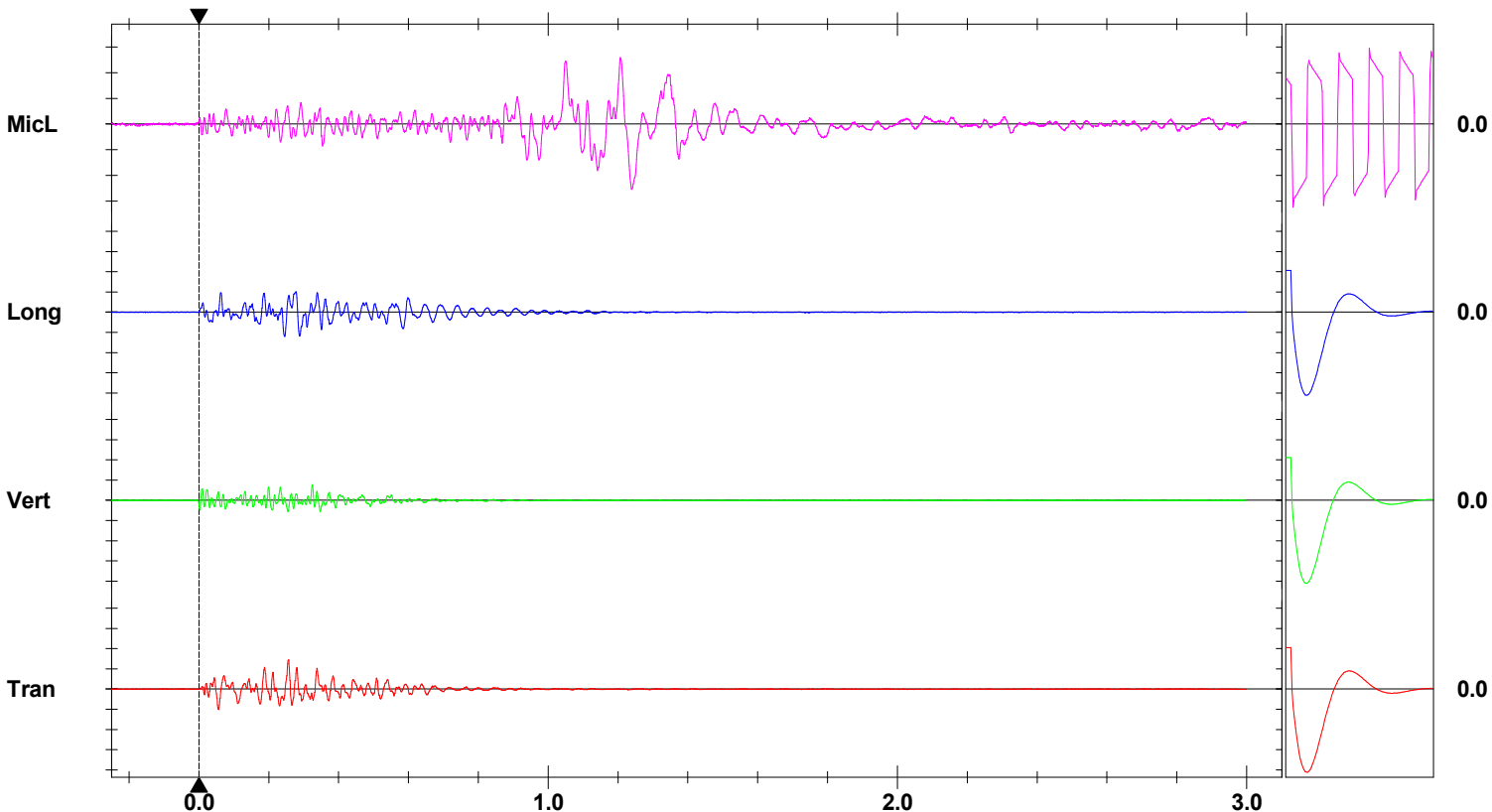
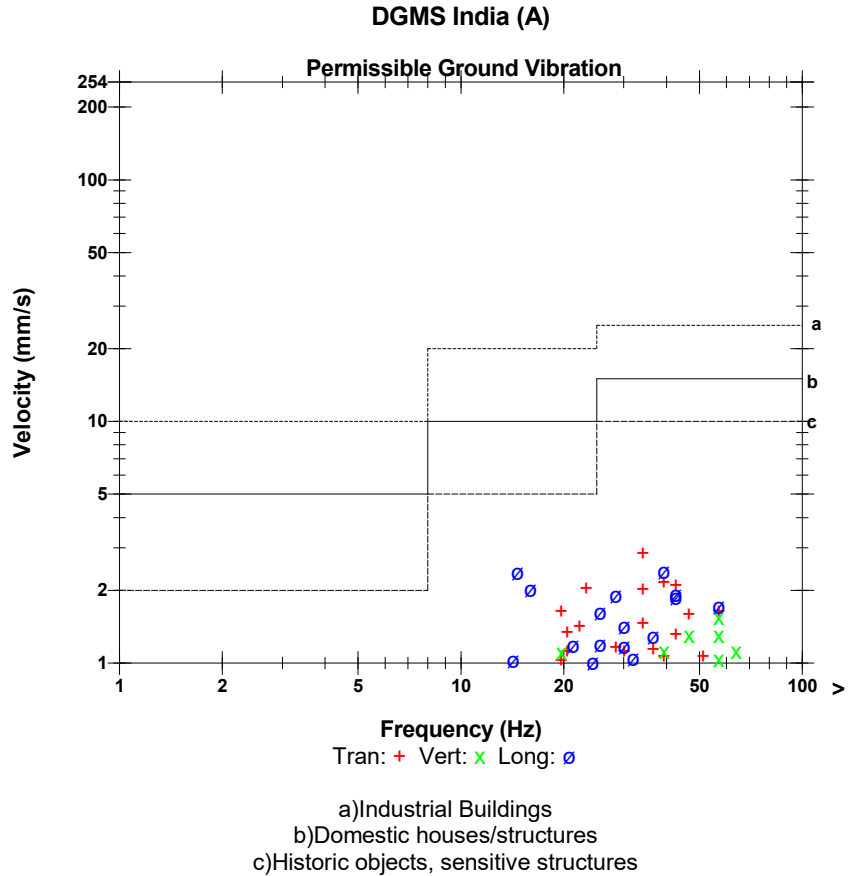
Notes
 Location: Maliakhera Mine On the ground surface
 Client: J K CEMENT WORKS
 User Name: J K CEMENT WORKS
 General:

Post Event Notes
 Bench=II-SE, Face=E-W,B. Id= 12--97
 No. of holes=23,Ch./Delay=32.82 kg.
 Vibration monitor 300 m back side of blasting face towards Crusher

Microphone Linear Weighting
PSPL 2.591 pa.(L) at 1.207 sec
ZC Freq 9.5 Hz
Channel Test Passed (Freq = 19.7 Hz Amp = 1143 mv)

	Tran	Vert	Long	
PPV	2.869	1.553	2.396	mm/s
ZC Freq	34	57	39	Hz
Time (Rel. to Trig)	0.256	0.325	0.246	sec
Peak Acceleration	0.145	0.085	0.098	g
Peak Displacement	0.012	0.006	0.019	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.3	7.3	7.3	Hz
Overswing Ratio	4.6	4.6	4.6	

Peak Vector Sum 3.427 mm/s at 0.257 sec



Time Scale: 0.20 sec/div **Amplitude Scale:** Geo: 2.000 mm/s/div Mic: 1.000 pa.(L)/div
Trigger =

Sensor Check

Green belt Photographs



 JKCement	Environment Policy	Policy No: FY25/CESD/04 Supersedes: Environment Policy (01) Pages: 1 of 1 Date of Issue: 23/01/2025 Effective Date: 23/01/2025
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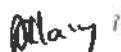
Environment Policy

JK Cement Limited (JKCL) promotes environmental protection as a core value in its operations. The company is dedicated to maintain a clean, green, and healthy environment by adhering to responsible practices and continuously improving its efforts in sustainability and resource conservation. JKCL is committed to:

- Ensure full compliance with all relevant laws, regulations, industry standards, and best practices, while adopting any additional measures necessary to go beyond regulatory expectations.
- Make environmental due diligence a core requirement for all upcoming Greenfield and Brownfield projects ensuring the protection of human health and the environment.
- Ensure clearly defined roles and responsibilities for all personnel involved in managing, performing, and verifying activities related to environmental and occupational health & safety (OH&S).
- Optimize resource utilization to enhance environmental management and ensure effective operation of pollution control equipment.
- Implement advanced technologies and robust practices to minimize emissions from our operations, ensuring compliance with regulatory standards & go beyond compliances.
- Set clear, measurable objectives and targets aimed at reducing environmental impacts, such as greenhouse gas (GHG) emissions, air pollutants, and other critical parameters, promoting a culture of continuous improvement.
- Review all active goals and targets at a minimum every 05 years to ensure consistency in our progress. Targets shall be recalculated and revalidated as necessary to align with evolving regulations and requirements.
- Continuously monitor and enhance environmental performance across all units in the areas of air, water, and waste through regular reviews, inspections, and audits.
- Build awareness among all stakeholders on environmental issues and compliance with relevant regulations through training and regular capability building sessions.
- Continuously enhance the effectiveness of our environmental management through a systematic approach for preventing, mitigating, and controlling environmental impacts, across our operations.

The policy shall be reviewed and updated as necessary to align with evolving regulations and best practices. Any amendments will be communicated to all stakeholders in a timely manner.

Approved By:



A.K. SARAOGI
Deputy Managing Director & CFO

**Land Use / Land Cover Analysis for mine and buffer zones
of Maliakhera Limestone Mine,
of J. K. Cement Works, Nimbahera (A Unit of J.K.Cement Ltd.)
using Remote Sensing Techniques.**



Client:
J.K.Cement Works, Nimbahera
(A Unit of J.K.Cement Ltd.)

Prepared By :
CompuSense Automation, Ahmedabad

September 2025

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1. Introduction

Present study of mapping Land Use / Land Cover using remote sensing data for Maliakhera Limestone Mine near Maliakhera village in Nimbahera tehsil of Chittorgarh district, Rajasthan is carried out on behalf of M/s J. K. Cement Works, Nimbahera (A Unit of J.K. Cement Ltd.). Now a days, it has become mandatory to carry out a Land Use / Land Cover analysis of the project site using satellite data similar to preliminary site survey. Comprehensive and chronological Land Use / Land Cover information is very vital for management of land. Accurate & precise compilation of this information helps in deciding the proper use of the land. Optimum economic use in accordance with minimal disturbance of the present ecology should be the prime objective of any industrial activity. Remote Sensing technology because of synoptic, repetitive and multi spectral characteristics becomes very vital technology for mapping Land Use / Land Cover. In addition to this, the study provides the facility of constant monitoring and past history of any particular area. Geographic Information System (GIS) is a tool, which allows the integration of spatial data with non - spatial data.

Systematic and comprehensive compilation of Land Use / Land Cover maps and data is necessary for planned development of agriculture, forest, grasslands, rural settlements, urban spread, Industries and a host of other land based programs and activities. Land Use refers to the various ways, the land is being utilized for different purposes by man mainly to generate income as well as for residential purpose. Whereas, 'Land Cover' refers to the natural surrounding present on the area under study. The existing information on Land Use / Land Cover is largely in the form of statistics based on compilation of village records. Whatever information available in the form of maps, suffers from the problems of spotty coverage, lack of consistency and a large time gap between data compilation and map publication.

In the present study, Land Use / Land Cover information of the study area i.e. within Maliakhera Limestone mine lease area (MLA), 500m, 5Km and 10Km buffer around the mine lease has been mapped using the digital data dated 10th January 2025 from LISS IV sensor of Resource sat-2A satellite and 03rd October 2024 of Sentinel-2 satellite. For core area, very high resolution Panchromatic data from Cartosat-3 dated 18th May 2025 with 1.12m and Cartosat-2 dated 13th February 2025 satellite with 2.5 meter were used.

Data has been corrected geometrically and radiometrically. This corrected data has been used for classifying the image. Various major categories like agriculture, wasteland, water body,

forest, etc. were identified and mapped. Area statistics is calculated for different Land Use / Land Cover categories along with generating of pie charts. A thematic map is also generated depicting various classes with different symbols.

2. Objectives

Main objectives of this analysis are:

- To analyze Land Use / Land Cover of the study area using latest remote sensing satellite data.
- To generate statistics of Land Use / Land Cover classes and thematic map.

3. Study Area

The study area consists of limestone mine lease area and its buffer zones of 500m, 5Km and 10Km from periphery of mine lease. The study area falls in district of Chittorgarh in Rajasthan.

Extents of study areas

Extents of study area as per following table.

Table : 1 Location and Extent

Core/ Buffer Zone	Extents		Area in Ha.	SOI Toposheet Reference
	Latitude	Longitude		
	From/To	From/To		
Within Mine Lease	24° 40' 04.70" N	74° 36' 22.00" E	315.409	45L/10
	24° 41' 22.40" N	74° 37' 22.78" E		
500m Buffer	24° 39' 48.4906" N	74° 36' 04.1511" E	787.98	45L/10
	24° 41' 38.6095" N	74° 37' 40.6223" E		
5Km Buffer	24° 37' 22.5551" N	74° 33' 26.8024" E	11947.67	45L/10
	24° 44' 04.4749" N	74° 40' 21.1072" E		
10Km Buffer	24° 34' 40.3466" N	74° 30' 24.8598" E	39239.95	45L/9 and 45L/10
	24° 46' 46.4683" N	74° 43' 19.3023" E		

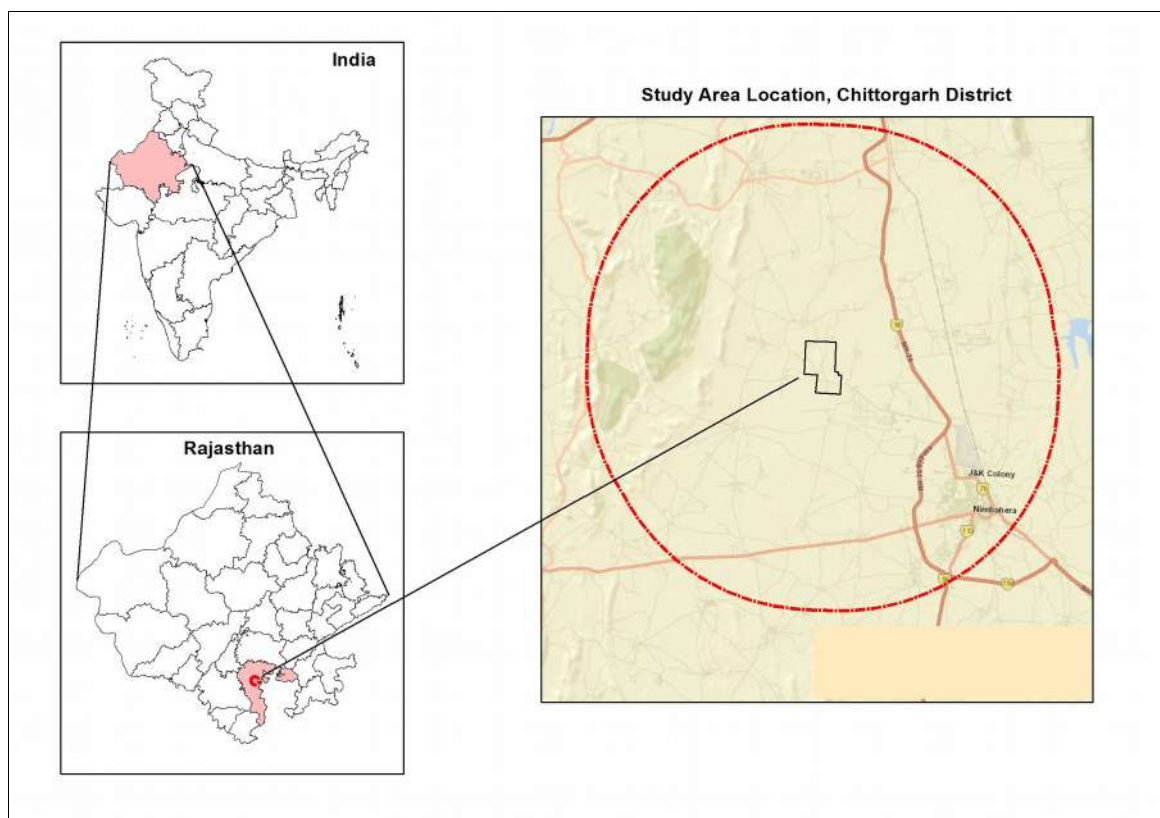
4. Data used

Digital remote sensing data as per details given below was procured online through National Remote Sensing Centre. The dates were selected for Kharif and Rabi seasons for deriving Land Use.

Table : 2 Data used

Satellite	Sensor	Sub scene	Path-Row	Season	Date
Resource sat-2A	L4FMX	D	94-54	Rabi	10th January, 2025
Sentinel -2	MX		511-105	Kharif	03rd Oct. 2024
Cartosat-3	MX	31323_9_17	30351	Core Area	15th May 2025
Cartosat-2	MX	39310_1_9	65881	Core Area	13th Feb. 2025

Figure : 1 Study area location map



5. General Description of the study area

5.1 Location and Extent

The detail of study area as defined in table 1, falls in Chittorgarh district of Rajasthan. Mine lease is located near Maliakhera Village. The tehsil headquarter is Nimbahera. Mine lease area is located 10.5 Kms from J.K.Cement plant. The state highway from Neemuch to Chittorgarh passes about 3 Kms East to the area. Similarly, Neemuch-Chittorgarh railway line also runs about 3.5 Kms East of the area. Nearest airport is Dabok in Udaipur, 90 Kms from Nimbahera in south-west direction. Nearest seaport Kandla is about 618 Kms from Nimbahera town in south-west direction.

5.2 Physiography, Relief and Drainage

Physiographically, the area is a part of flat plains. Topographically, the area is consisting of gently undulating plains, excepting the raising grounds trending north-easterly in the southern & western flanks. Maximum and minimum elevation in the Mining lease area varies from 443 m to 432 m. The central part of the mining lease area is mostly barren with exposures of limestone. Maliakhera limestone mining area lies on almost flat country that gradually slopes towards North.

The area is drained by the perennial Gambhiri river which flows 5 Kms North-East of Nimbahera town. Besides, there were small nallas, which contain the water only during monsoon season. Within the lease area, there is hardly any definite drainage pattern except one nalla flowing near western lease boundary. This nalla joins main nalla out side Northern lease boundary. General variation in height is from Southern boundary to Northern boundary as contours vary from 443 MRL as highest to 432 MRL as lowest.

5.3 Climate

Climate of the area is semi arid. The total annual rainfall is 795 mm. Most of the rain in the area is received during south west monsoon. Average number of rainy days in the area varies between 64-72. The water table in summer stands about 387-382 meters above MSL at a depth of about 50 to 55 meters bgl in pre monsoon and 399 meters above MSL at a depth of about 38 meters bgl in post monsoon.

The relative humidity is 35 to 45%. Maximum temperature of 46 °C is recorded in the month of June and minimum temperature of 5 °C is recorded in the month of December. Wind speed in this area is light to moderate.

5.4 Geology

The limestone formations are under Nimbahera limestone belt which is equivalent to the Semri series of lower Vindhyan. The sequence of the rocks which are in this region is given below:

The geological succession of the region as per the GSI is as follows:

Geological Sequence of the Area

Formation	Age
Alluvium	Recent
Laterite	Sub recent to pleistone
Deccan Trap	Upper cretaceous
Kaimur Sandstone	Upper vindhyan
Suket shale	Lower vindhyan
Nimbahera grey limestone	
Nimbahera purple limestone	
Nimbahera purple shale	
Khorimalan conglomeratic	Unconformity
Sandstone and boulder beds	

In Nimbahera area, a complete sequence of the vindhyan rocks is exposed. The nimbahera limestone is also exposed at Chittorgarh, Binota, Khori, Sawa and Jawad. Of the large tract of vindhyan rocks between Chittorgarh and Saugar, a major portion of the area is covered by Deccan trap. Along the southern and western margins of the area from Chittorgarh to Jhalra Patan, a great thickness of lower vindhyan rocks lies below the Kaimur sandstone.

Nimbahera Shales:

The Nimbahera shales, about 45 meters in thickness, are usually brown or purple in colour. The shales are splintery in nature and rather siliceous but are homogenous and uniform in texture. The Nimbahera shales are underlain by Khori-Malan conglomeratic sandstone.

Nimbahera Limestone:

This limestone named after its typical place of occurrence, can be continuously traced from near Jawad to Nimbahera and thereafter in patches in Chittorgarh, Binota, Khori and Sawa. The total thickness of the Nimbahera limestone is estimated to be 144 meters, of which the bottom 9 meters is deep reddish purple in colour, while the upper 135 meters is grey in color. The

Nimbahera limestone is conformable with the Suket shales occurring above it and the Nimbahera shales lying below. The Nimbahera limestone is folded into narrow anticlines and synclines, with the general strike being N-S.

Suket Shales:

The Suket shales rest conformably on the Nimbahera limestone and are overlain by Kaimur sandstone. Suket shales are soft, fissile and occur in variegated colours such as purple, grey, buff, chocolate and bluish green. Two sets of joints are well developed trending in north-south and east-west directions.

Deccan Trap:

Deccan trap is noticed around Neemuch forming low lying plateaus which are covered with Lateritic debris. The trap rock is fine grained and exfoliation weathering is quite predominant due to which rounded pebbles and boulders are strewn all over the area.

Laterite:

The Laterite and Lateritic soils are derived from the weathering of Deccan trap.

Alluvium:

Generally there is a thin alluvial cover in this area. In the limestone bearing area copious outcrops are seen; however at places the limestone occurs beneath soil cover, about a meter or more thick over the Deccan trap, black cotton soil is prevalent.

5.4.1 Local Geology

The sequence of formation exposed in the Maliakhera area is as follows:

1. Purple Shale
2. Dark grey shaly limestone
3. Dark grey limestone
4. Grey limestone
5. Light grey limestone
6. Purple limestone
7. Light grey limestones- low grade

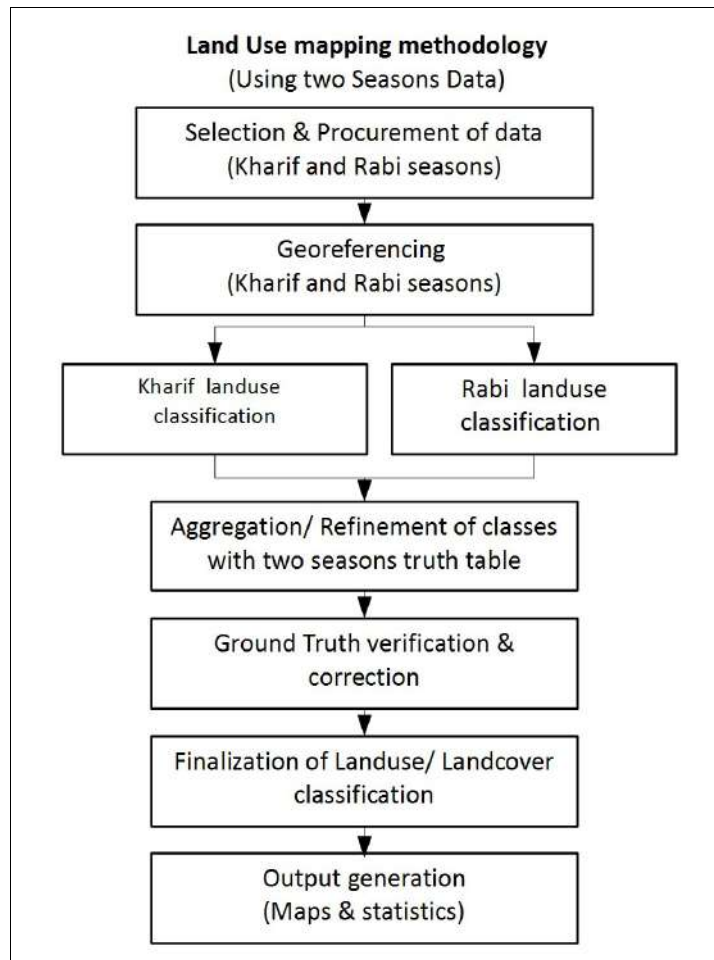
6. Land Use

General topography of the study area is plain. Soil is yellowish brown. Average rainfall is about 795 mm. Irrigation is available from two dams and tube wells. As a result, agriculture is the main economic activity of people and is the major land use class. Maize, ground nut, soybean and millet are kharif crops where as wheat, mustard and gram are rabi crops. At the same time study area fall in famous lime stone belt of Rajasthan, hence, there are about 5 cement plants and several lime stone mines in the area. Due to lime stone some out crops are seen in study area which contribute to wastelands along with hills and open scrubs. There is no perennial river in the study area but two dams, mine sumps and some village ponds are the water bodies found in this area. Gambhiri is the main river flowing through study area.

About 3/5th of land is under agricultural use due to irrigation facilities of dams, mine sumps and tube wells. Most of the area under cultivation has two crops per year.

7. Methodology

General methodology using Multi-temporal digital data for kharif and rabi season, to derive Land Use / Land Cover layer is shown in following diagram.



The methodology comprises the following functional component.

Data loading and image preparation

Three bands of data were downloaded from raw data and stacked to form a false colour composite (FCC). This raw data was georeferenced and projected in Universal Transverse Mercator (UTM), zone 43N projection. This projection was adopted from National Spatial Framework (NSF). Parameters for this projection are given in Annexure:1. This data was radiometrically enhanced for ease of interpretation.

Base map features mapping

Mapping of base map feature like roads, river, nala, water bodies and drainage were done using interpretation key in Annexure:2.

Digital classification of the two season data.

Base map feature classes were interpreted visually and masked out from digital image and a subset was derived using buffer boundaries. This image was classified using supervised classification method called Maximum Likelihood classifier in QGIS software. This comprised of creating signature files by identifying different classes and executing classifier. Data of both seasons were separately classified.

Refinement

Classified data of both seasons was refined using 5x5 Mode filter to remove noisy pixels.

Aggregation of classes

Classified data for two seasons was aggregated using two seasons truth table.

Rabi	Kharif	Integrated class
Crop	Crop	Double Crop
Crop	Fallow	Rabi
Fallow	Crop	Kharif
Fallow	Fallow	Fallow

Ground truth verifications

A limited ground truth was conducted on 29th August, 2025, to verify certain spectrally confusing classes found during interpretation. During the traverse, Land Use / Land Cover classes were verified for their correctness with respect to interpreted map. Local informations regarding cropping pattern etc. were also collected. Map showing locations of ground verification points is given in Annexure: 3.

Finalization of map based on ground truth collection

Based on ground truth observations classified map was refined and finalized.

Maps and Statistics

Statistics for buffer zones was generated in Arc GIS software and different base maps, Land Use maps, reference and location maps were composed in Arc Map software.

8. Classification system

A three level classification system based on Environmental Impact Assessment Guidance Manual for mineral beneficiation prepared by Administrative Staff College of India, Hyderabad. (February 2010) has been adopted /modified for this study area and shown in table 3. Classes found in study area are considered in classification system.

Table : 3 Land Use / Land Cover Classification System

	Level – I	Level - II	Level - III
8.1	Built-up land	Residential	
		Industrial	
		Transportation	
8.2	Agricultural land	Crop Land	Kharif
			Rabi
			Kharif + Rabi
		Fallow Land	
		Horticulture Plantation	
8.3	Forest	Dense Forest	
		Open Forest	
8.4	Waste land	Dense Scrub	
		Open Scrub	
		Hill	
8.5	Water bodies	River/Nala	
		Lake/ Pond/ Reservoir	
		Mine Sump	
8.6	Others	Excavated area (Mining pits)	
		Afforestation Within Mining Pit Area	
		Afforestation	
		Stone Quarry	
		Waste Dump	
		Plantation on Waste Dump	
		Screen Reject Dump	
		Sub Grade Dump	
		Soil Embankment	

		Mineral Stock Area	
		Back Filled Area	
		Plantation on Back Filled Area	

Following sections describe various classes. Examples of these classes with photographs taken during ground truth verification visit and corresponding portion of satellite image are shown in subsequent pages.

8.1 Built up land

Built-up Residential

It generally refers to an area, which is not cultivated and is used for human residential purpose. Villages come under this category. Vacant land within or near by settlements used for industrial activities are also considered under this broad category.

Built-up Industrial

These are areas where the human activity is observed in the form of manufacturing along with other supporting establishments of maintenance. Heavy metallurgical industry, thermal, cement, petrochemical, engineering plants etc., are included under this. Certain built-up structures found in mining area like mine office, workshop are further classified in Infrastructure sub category.

Transportation

Land used for transportation and communication purpose like roads, railway and airport is also categories as built-up land.

8.2 Agricultural land

This areas are primarily used for raising agricultural crops, fiber, vegetables, fruits, cultivated fodder and other plant material of medicinal and commercial value. Three classes, crop land, fallow land and afforestation/plantation sites are identified in the study area. Croplands are sub classified as (1) Kharif (2) Rabi (3) Kharif + Rabi.

Crop land

Areas with standing crop in any or either of the two common growing seasons are classified as crop land. Crops grown in June-July and harvested during September-October are called as

kharif crops. Crops sown during November-December and harvested during February-March are called **rabi** crops. Areas sown during both the seasons form double cropped area.

Fallow Land

The land not sown for current seasons which appears to be vacant is called 'Fallow Land'.

Plantation

These areas are separable from cropland, especially with the data acquired during rabi / Jayad seasons. In this area horticulture plantation /Orchard are not found. Only plantation found is that done by company. Afforestation appears in dark-red to red tone of different sizes with regular and sharp edges indicating the presence of a fence around. Forests are different from plantations characterized by big contiguous patches often having shape similar to natural or topographical features.

8.3 Forest Land

Forests are defined as, "all lands bearing vegetative association dominated by trees of any size, exploited or not, capable of producing wood or other forest products and exerting an influence on climatic or water regimes or providing shelter for wild life and live stock".

Dense Forest

This category includes all the forest areas where the canopy cover/crown density of greater than 40%.

Open Forest

This category includes all the forest areas where the canopy cover/crown density of less than 40%.

8.4 Wastelands

Wasteland is described as degraded land which is currently not used for cultivation and is deteriorating for lack of appropriate water and soil management.

Dense Scrub

The area mainly covered by dense scrub classified under this category. This area is appears vegetated throughout the year.

Open Scrub

The area mainly covered by scrub which is sparse is classified as open scrub. It is land devoid of any vegetation and appears barren.

Hill

A barren hill is a land form that extends above the surrounding terrain. It often has a distinct summit, although in areas with scarp/dip topography a barren hills may refer to a particular section of flat terrain without a massive summit.

8.5 Water bodies

This class comprises areas of surface water found in the form of ponds, lakes, reservoirs.

River

This is a natural course of water flowing on the land surface along a definite channel and may be seasonal or perennial.

Lake / Pond

These are accumulation of water in a depression of various sizes either natural or man made.

Reservoir

A water body built for the storage of water, usually by constructing a dam across a river is called reservoir.

8.6 Others

Excavated area (Mining pits / Stone Quarry)

These are the areas subjected to removal of different earth material or stone material (both surfacial and sub surfacial) by manual/mechanized operations.

Dump

Dumps are those areas where debris is accumulated after extraction of required minerals. Generally, these lands are confined to the surrounding of the active mining area.

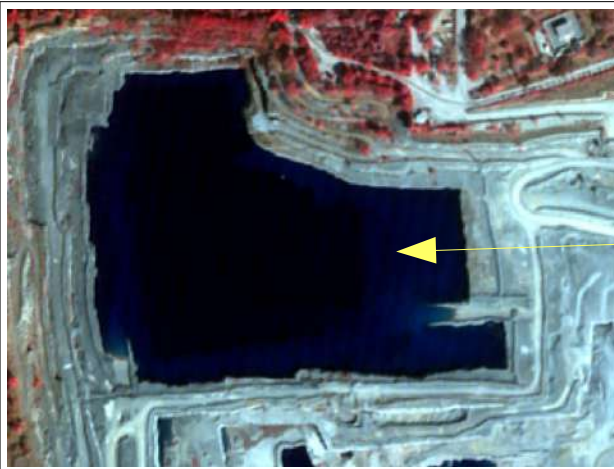
Stock Area

This is an area demarcated for piling raw material or finished material before transporting it to other places. This is seen like dump. The signature depends upon material.

Back Filled Area

After completion of mining activities, the mined out area is reclaimed by filling over burden material removed during excavation. These are called back filled areas.

Class Photographs & Satellite Images

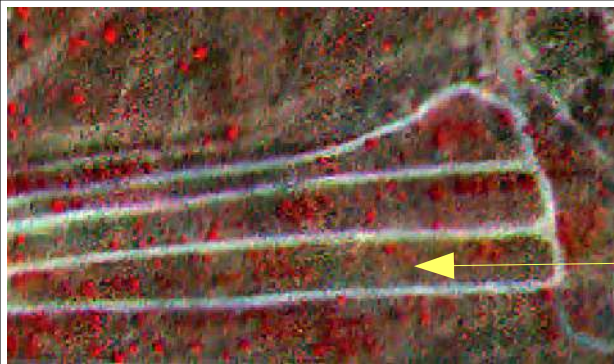


Mining pit



Infrastructure (Crusher)





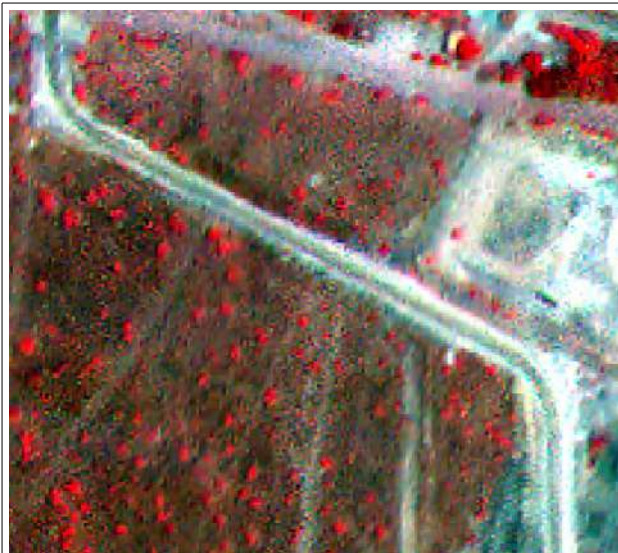
Plantation



Plantation

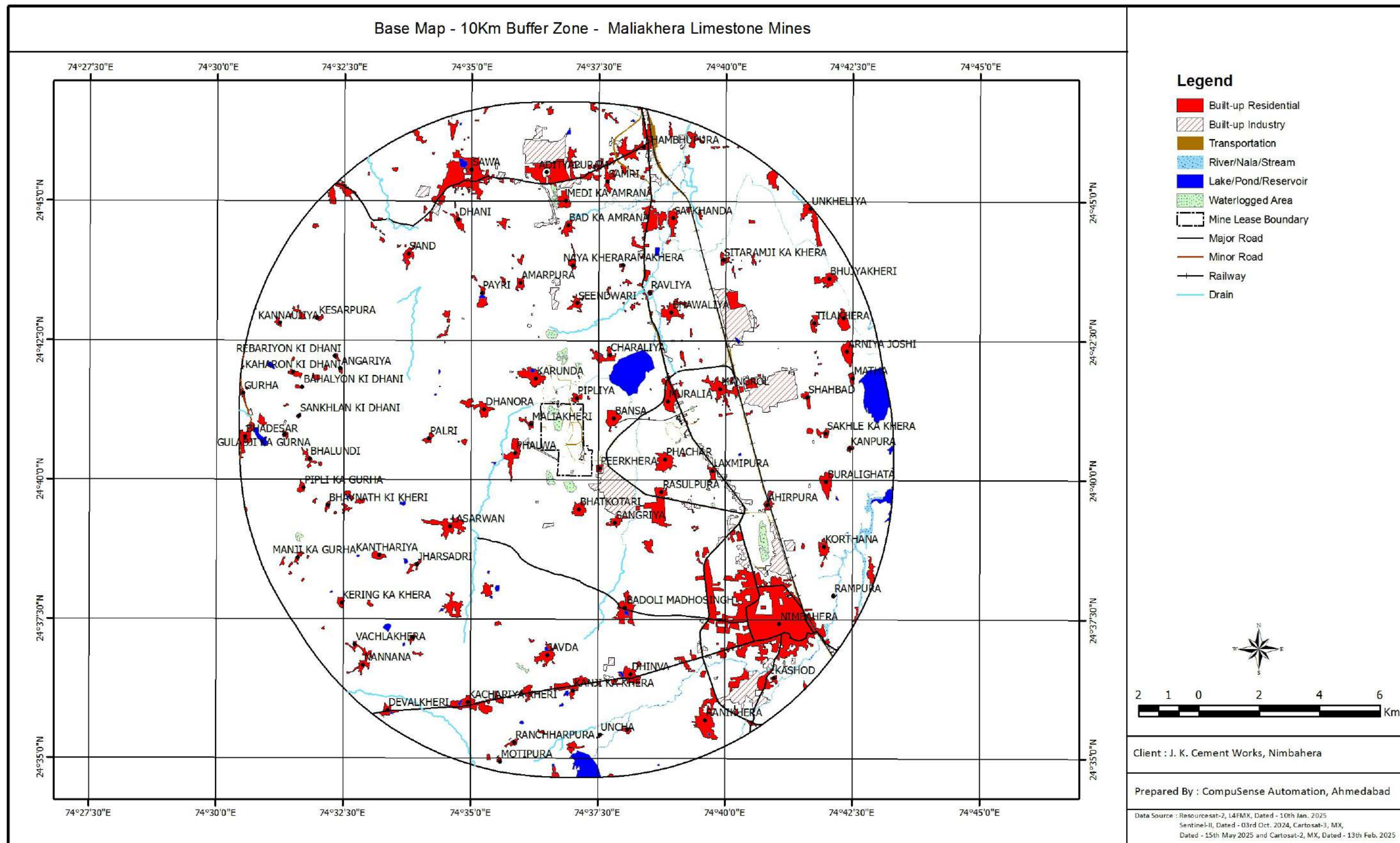


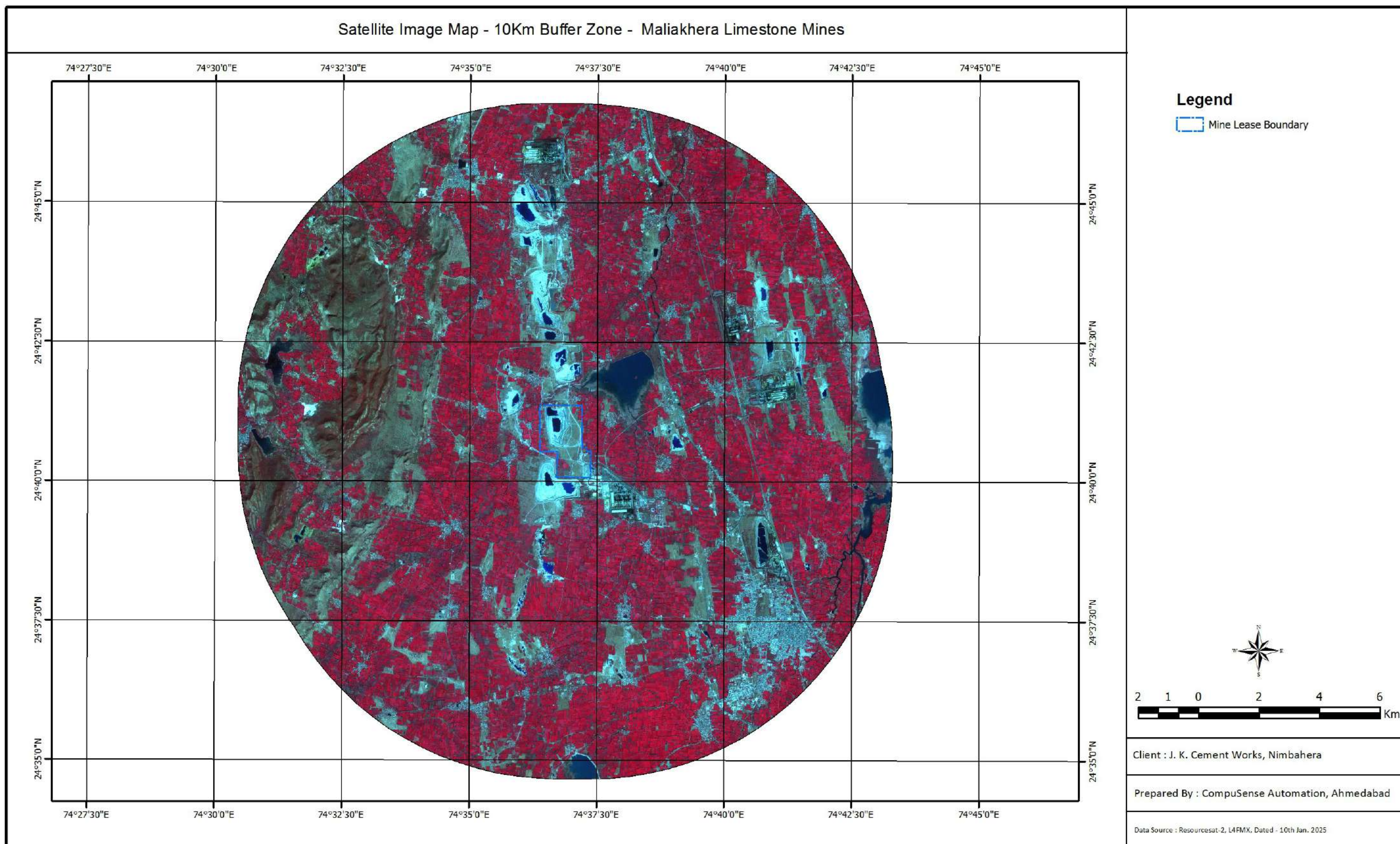
Subgrade Dump



Infrastructure (Haul Road)

Figure : 2 Base Map and Satellite Image of Study Area





9. Result (Statistics)

9.1 Within Mine Lease Area (MLA) (Core Zone)

Table : 4 Land Use/Land Cover Statistics – Core Zone				
CLASSIFICATION				
LEVEL – I	LEVEL – II	LEVEL-III	% Area	Area (Ha)
Built-up	Residential		0.10	0.31
	Industrial		1.86	5.86
	Transportation		3.29	10.38
		Sub-total	5.25	16.55
Agriculture Land	Crop Land	Kharif Crop	3.53	11.15
		Rabi Crop	8.46	26.69
		Kharif + Rabi Crop	5.19	16.38
		Sub-total	17.19	54.22
Wastelands	Dense Scrub		0.05	0.15
	Open Scrub		33.84	106.72
		Sub-total	33.89	106.88
Water bodies	Mine Sump		6.07	19.14
		Sub-total	6.07	19.14
Others	Excavated Area (Excluding Mine Sump)		20.78	65.54
	Afforestation		13.27	41.85
	Screen Reject Dump		0.30	0.94
	Sub Grade Dump		2.99	9.43
	Soil Embankment		0.27	0.86
	Sub-total	37.61	118.62	
	Total		100.00	315.40

Note – Pit area is sum of Excavated area and Mine Sump i.e. 84.68 Ha.

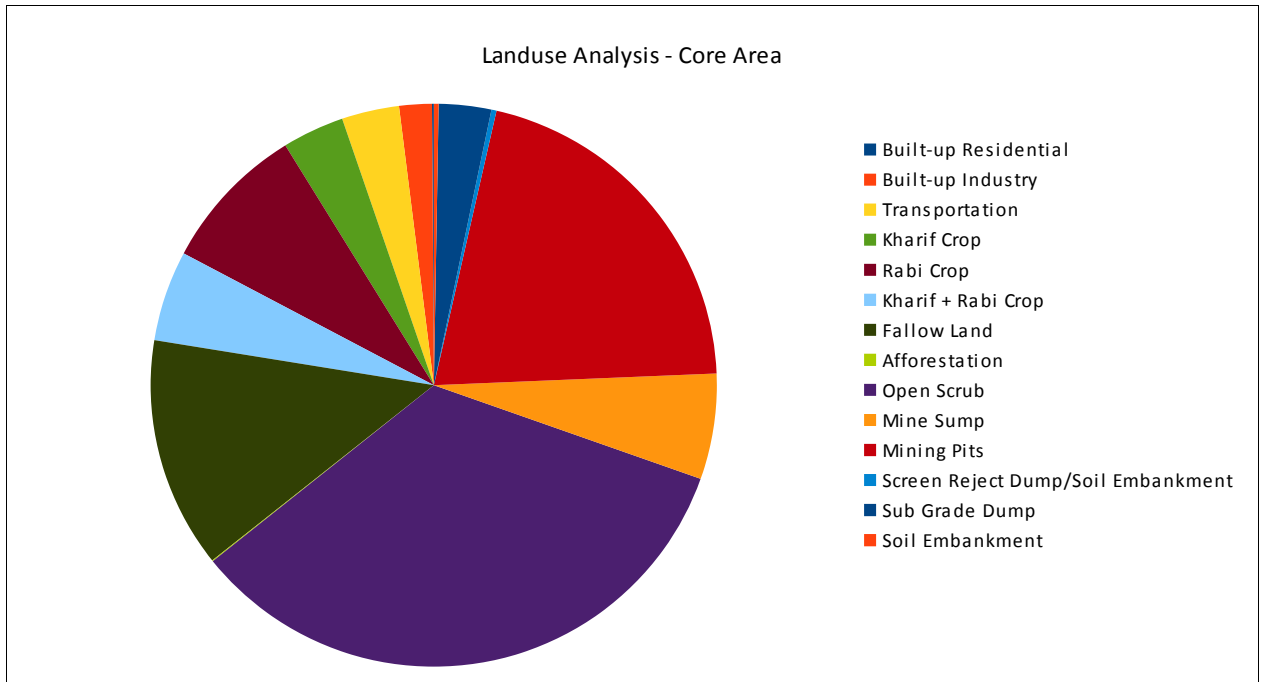
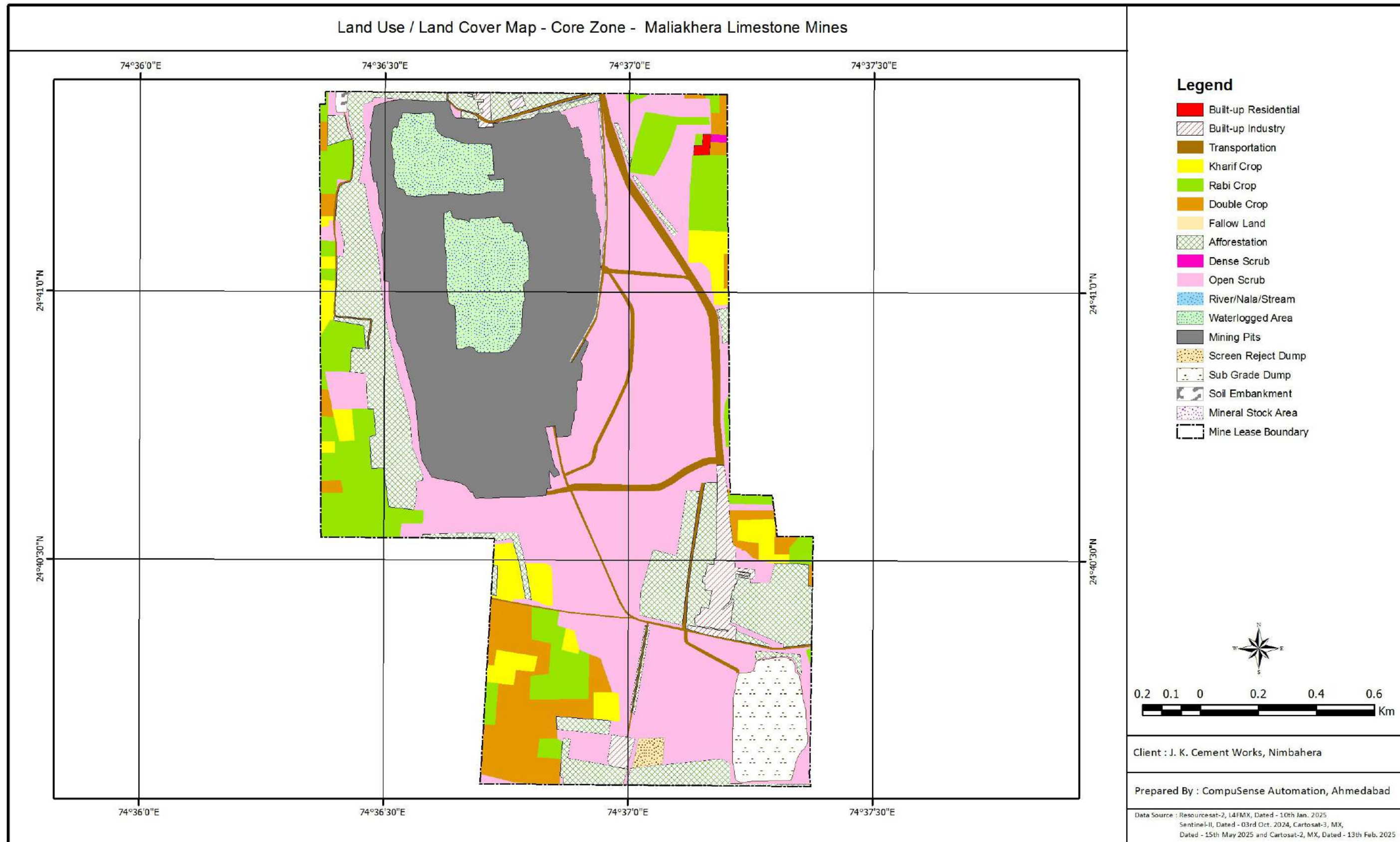


Figure : 3 Land Use / Land Cover Map Core Zone



9.2 500m Buffer Zone

Table : 5 Land Use/Land Cover Statistics – 500m Buffer Zone				
CLASSIFICATION				
LEVEL – I	LEVEL – II	LEVEL-III	% Area	Area (Ha)
Built-up	Residential		2.23	17.59
	Industrial		4.26	33.54
	Transportation		1.79	14.14
		Sub-total	8.28	65.27
Agriculture Land	Crop Land	Kharif Crop	4.61	36.33
		Rabi Crop	15.13	119.18
		Kharif + Rabi Crop	16.09	126.82
	Fallow Land		1.76	13.87
		Sub-total	37.59	296.20
Wastelands	Dense Scrub		0.29	2.28
	Open Scrub		21.09	166.16
		Sub-total	21.38	168.44
Water bodies	River		0.21	1.62
	Mine Sump		4.79	37.77
		Sub-total	5.00	39.39
Others	Excavated Area (Excluding Mine Sump)		16.15	127.25
	Afforestation		9.04	71.24
	Screen Reject Dump		0.12	0.94
	Sub Grade Dump		1.20	9.43
	Soil Embankment		0.16	1.26
	Mineral Stock Area		1.09	8.56
		Sub-total	27.75	218.68
	Total	100.00	787.98	

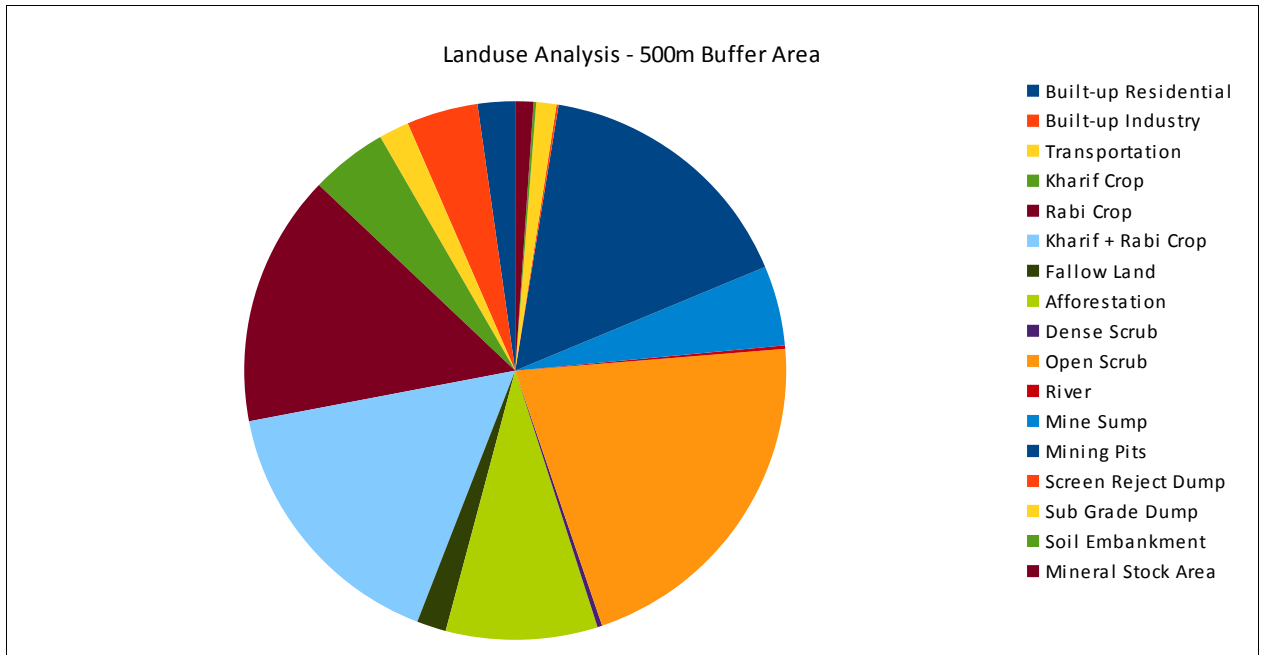
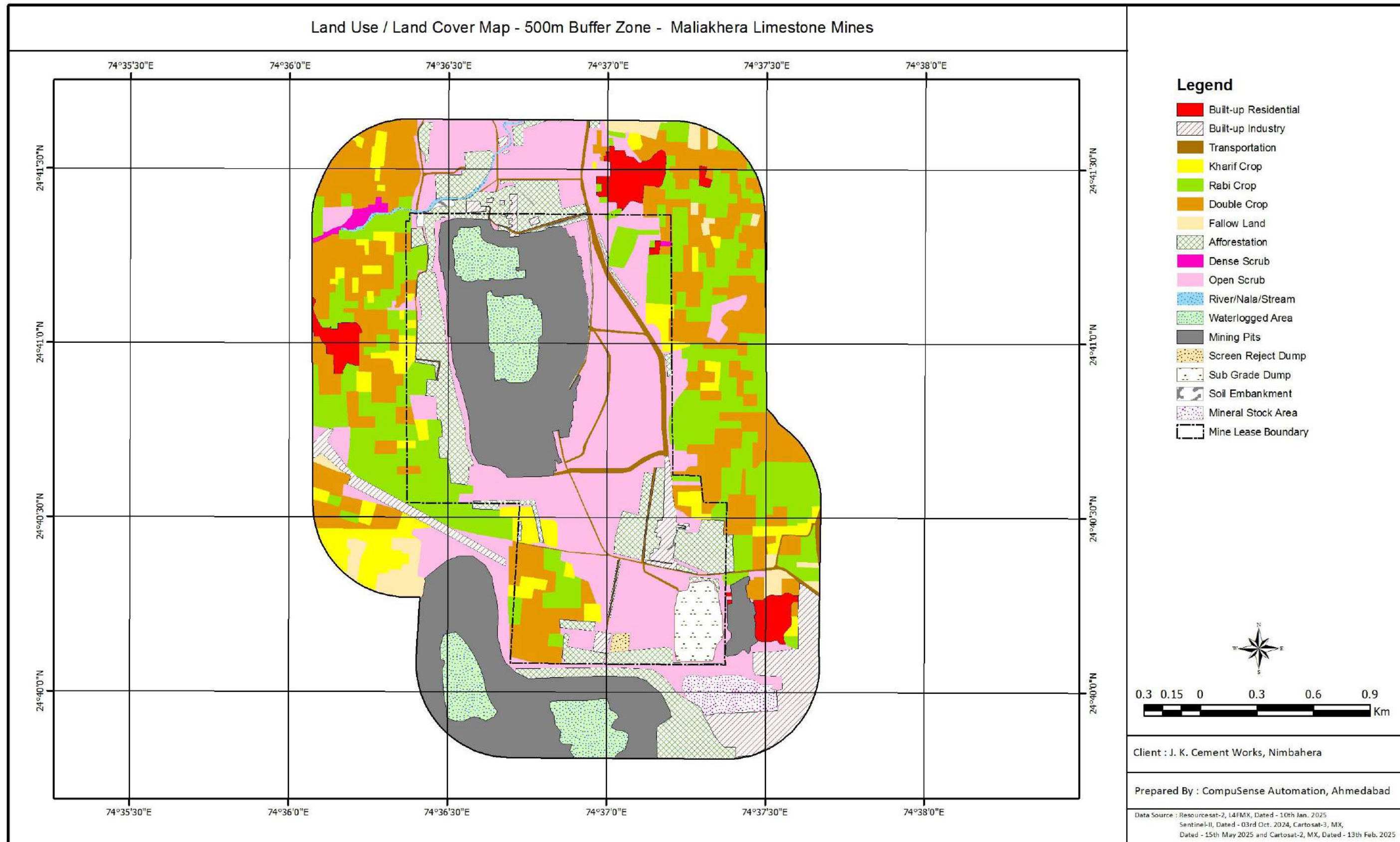


Figure : 4 Landuse /Landcover Map 500m Buffer Zone



9.3 5Km Buffer Zone

Table : 6 Land Use/Land Cover Statistics – 5Km Buffer Zone				
CLASSIFICATION				
LEVEL – I	LEVEL – II	LEVEL-III	% Area	Area (Ha)
Built-up	Residential		4.83	576.54
	Industrial		2.10	251.23
	Transportation		0.76	91.08
		Sub-total	7.69	918.85
Agriculture Land	Crop Land	Kharif Crop	10.72	1,280.92
		Rabi Crop	20.64	2,465.81
		Kharif + Rabi Crop	28.07	3,353.32
	Fallow Land		6.29	751.89
	Horticulture Plantation		0.01	0.64
		Sub-total	65.72	7,852.58
Forest	Dense Forest		0.53	63.30
	Open Forest		0.34	41.20
		Sub-total	0.87	104.50
Wastelands	Dense Scrub		0.11	12.90
	Open Scrub		16.63	1,987.38
	Hill		0.23	27.59
		Sub-total	16.97	2,027.88
Water bodies	River		0.25	29.30
	Lake/Pond/Reservoir		1.25	148.91
	Mine Sump		0.54	64.49
		Sub-total	2.03	242.71
Others	Excavated Area (Excluding Mine Sump)		4.22	503.67
	Afforestation		1.35	161.80
	Stone Quarry		0.56	66.71
	Waste Dump		0.32	38.32
	Plantation on Waste Dump		0.008	0.97
	Screen Reject Dump		0.02	2.50
	Sub Grade Dump		0.14	17.29
	Soil Embankment		0.01	1.33
	Mineral Stock Area		0.072	8.56
		Sub-total	6.71	801.15
	Total	100.00	11,947.67	

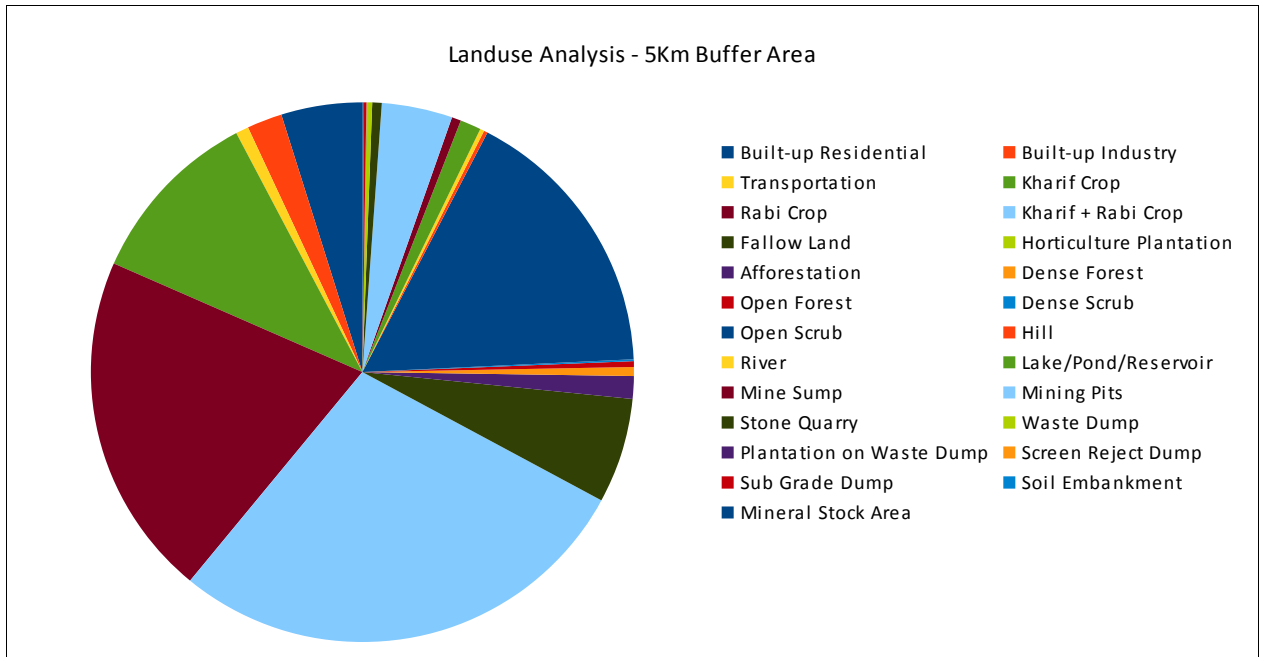
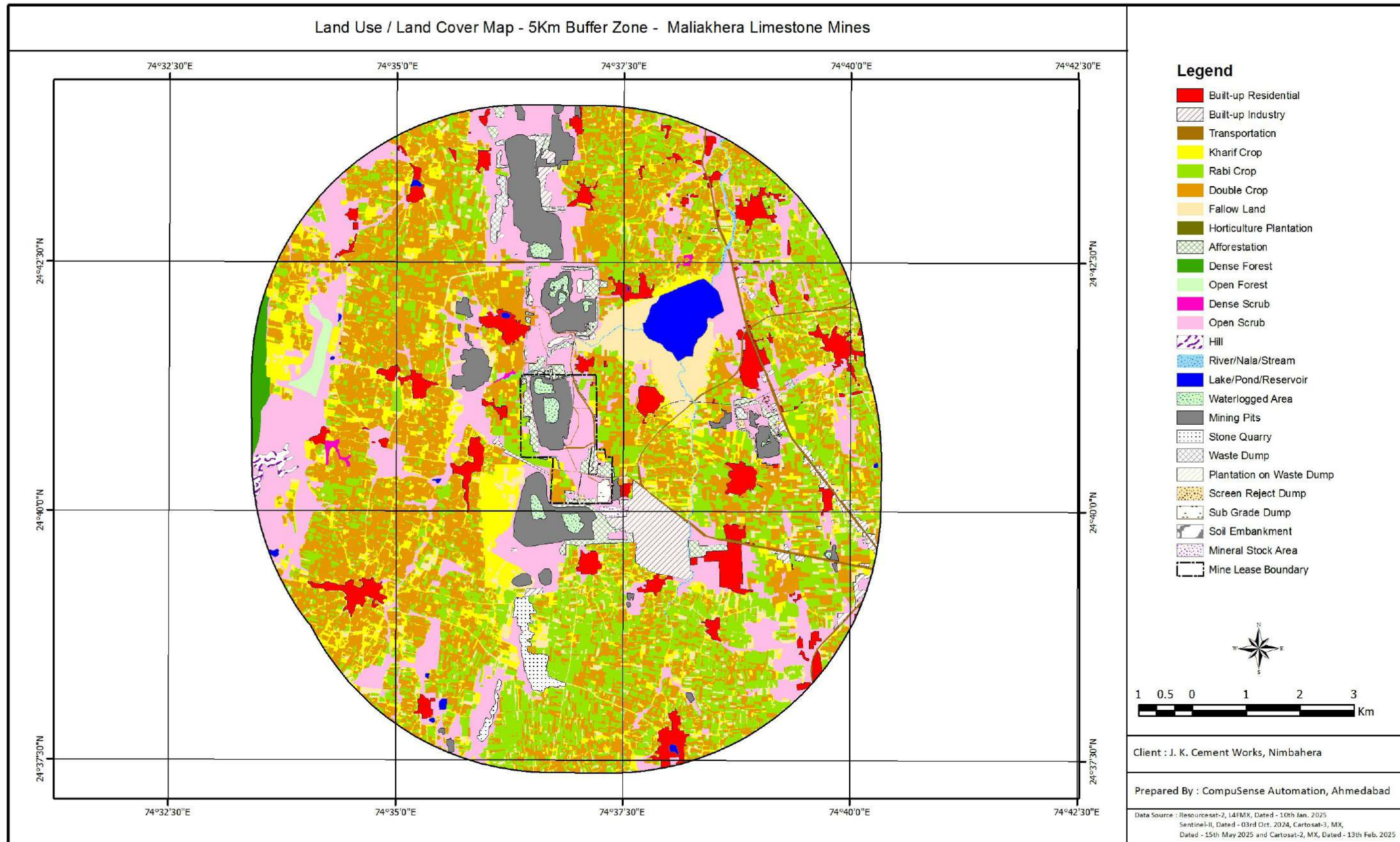


Figure : 5 Landuse / Landcover Map – 5km Buffer Zone



9.4 10Km Buffer Zone

Table : 7 Land Use/Land Cover Statistics – 10Km Buffer Zone				
CLASSIFICATION				
LEVEL – I	LEVEL – II	LEVEL-III	% Area	Area (Ha)
Built-up	Residential		6.44	2,528.50
	Industrial		2.48	973.62
	Transportation		0.62	241.75
		Sub-total	9.54	3,743.88
Agriculture Land	Crop Land	Kharif Crop	9.63	3,779.91
		Rabi Crop	20.41	8,007.85
		Kharif + Rabi Crop	24.04	9,433.62
	Fallow Land		6.30	2,470.90
	Horticulture Plantation		0.00	1.80
		Sub-total	60.38	23,694.09
Forest	Dense Forest		5.68	2,228.40
	Open Forest		1.63	640.80
		Sub-total	7.31	2,869.20
Wastelands	Dense Scrub		0.56	220.04
	Open Scrub		15.08	5,917.95
	Hill		1.10	432.53
		Sub-total	16.74	6,570.53
Water bodies	River		0.56	220.20
	Lake/Pond/Reservoir		1.04	406.24
	Mine Sump		0.29	113.20
		Sub-total	1.88	739.64
Others	Excavated Area (Excluding Mine Sump)		2.49	976.09
	Afforestation Within Mining Pit Area		0.01	4.30
	Afforestation		1.00	391.71
	Stone Quarry		0.38	150.41
	Waste Dump		0.17	65.17
	Plantation on Waste Dump		0.002	0.97
	Screen Reject Dump		0.01	2.50
	Sub Grade Dump		0.04	17.29
	Soil Embankment		0.01	3.57
	Back Filled Area		0.005	1.81
	Plantation on Back Filled Area		0.001	0.25
	Mineral Stock Area		0.022	8.56
		Sub-total	4.14	1,622.62
	Total	100.00	39,239.95	

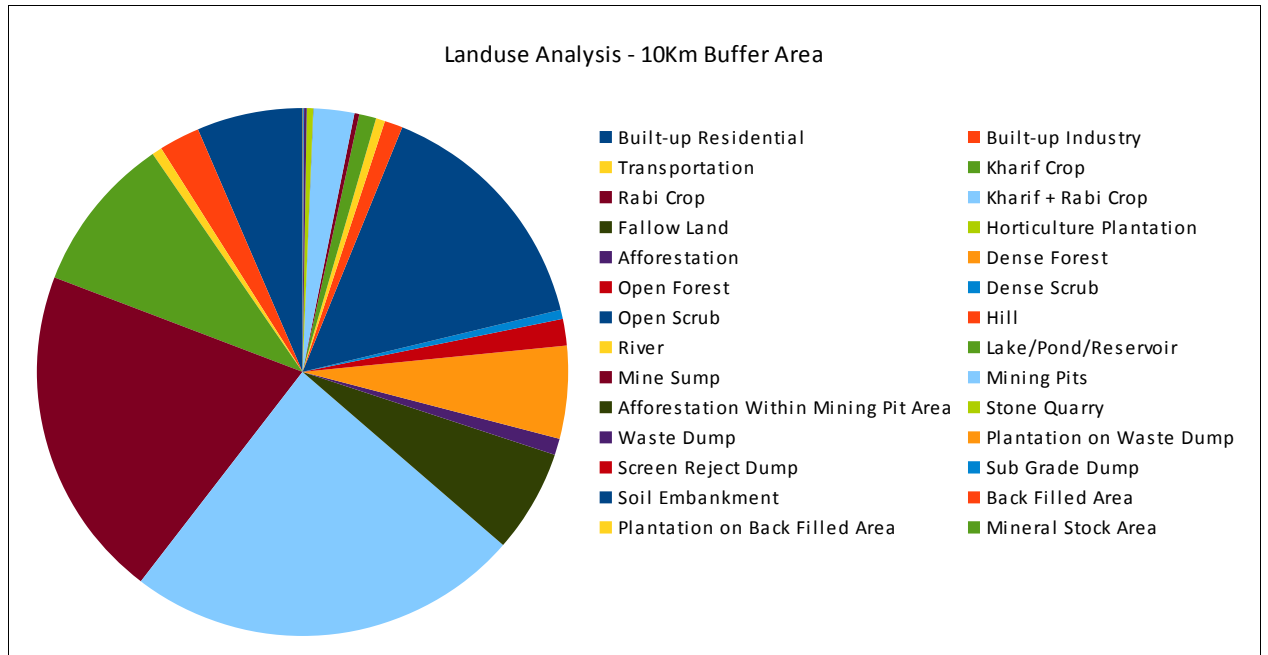
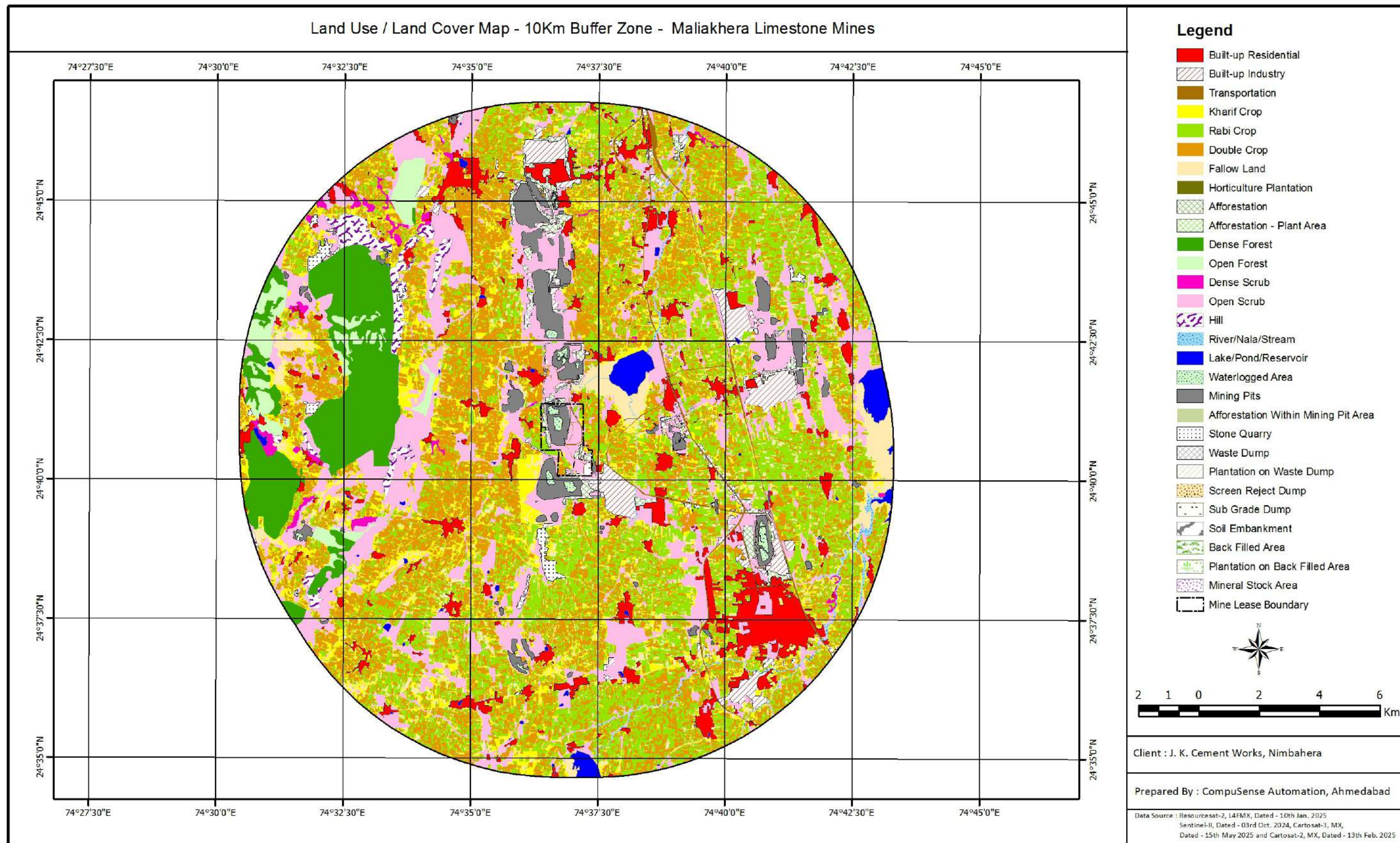


Figure : 6 Landuse/Landcover Map – 10km Buffer Zone



Annexure : 1 Projection Parameters

- **Projection Type** : Universal Transverse Mercator zone 43N
- **Spheroid Name** : WGS84
- **Datum** : WGS84
- **Parameters**
- **False_Easting** : 500000.000000
- **False_Northing** : 0.000000
- **Central_Meridian** : 75.000000
- **Scale_Factor** : 0.999600
- **Latitude_Of_Origin** : 0.000000
- **Linear Unit** : Meter (1.000000)
- **Geographic**
- **Coordinate System** : GCS_WGS_1984
- **Angular Unit** : Degree (0.017453292519943299)
- **Prime Meridian** : Greenwich (0.000000000000000000)
- **Datum** : D_WGS_1984
- **Spheroid** : WGS_1984
- **Semimajor Axis** : 6378137.000000000000000000
- **Semiminor Axis** : 6356752.314245179300000000
- **Inverse Flattening** : 298.257223563000030000

Annexure : 2 Interpretation Key

Land Use / Land Cover Interpretation Key Using Satellite Imagery

Sr. No.	Land Use / Land Cover Category	Tone / Colour	Size	Shape	Texture	Pattern
1	Built-up Land	Dark bluish green in the core and bluish on the periphery	Small to big	Irregular & Discontinuous	Coarse & mottled	Clustered to Scattered & non-contiguous
2	Transportation	Very dark to dark bluish green, light yellow for minor roads , red if vegetation along the road	Small in width for roads and narrow for rail	Regular with straight/sharp and smooth curves	Smooth to fine	Linear to sinuous and contiguous
3	Crop Land	Bright red to red	Varying in size	Regular to irregular	Medium to smooth	Contiguous to non-contiguous
4	Fallow Land	Yellow to greenish blue (depending on soil type and moisture)	Small to large	Regular to irregular	Medium to smooth	Contiguous to non-contiguous
5	Afforestation (Plantation)	Dark red to red	Small to medium	Regular with sharp edges	Coarse to medium	Dispersed, contiguous
6	Dense Forest	Bright red to dark red	Varying in size	Irregular, discontinuous	Smooth to medium depending up on crown density	Contiguous to non contiguous
7	Open Forest	Light yellow to light brown	Small	Regular to irregular	Coarse to mottled	Non-contiguous dispersed /scattered
8	Land with or without scrub	Light yellow to brown to greenish blue(subject to surface moisture and cover	Varying in size	Irregular-discontinuous	Coarse to mottled (Subject to vegetation cover)	Contiguous dispersed in patches
9	River	Light blue to dark blue	Long narrow to wide	Irregular, Sinuous	Smooth to medium	Contiguous, nonlinear to dendritic/ sub-dendritic etc.
10	Lake/Pond	Light blue to dark blue(subject to weeds/vegetation)	Small/medium to large	Regular to irregular	Smooth to mottled	Non-contiguous dispersed

Interpretation keys may change for different satellite sensors depending upon their band combinations and enhancement made.





जे. के. सीमेन्ट , निम्बाहेड़ा

सिंगल यूज प्लास्टिक के प्रयोग पर रोक लगाने के संबंध में।

क्या उपयोग नहीं करना है ?

केंद्रीय पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय द्वारा अगस्त 2021 में अधिसूचित संशोधित प्लास्टिक अपशिष्ट प्रबंधन नियम 2021 के अनुसार निम्नलिखित एकल उपयोग प्लास्टिक वस्तुओं को प्रतिबंधित किया गया है।

-  सजावट के लिये प्लास्टिक व थर्माकोल (पॉलिस्टीरिन)
-  मिठाईयों के डिब्बे, निमंत्रण पत्रिका व सिगरेट के पैकेट और उनके कवर
-  प्लास्टिक की छड़ों के साथ कानकोरनी, गुब्बारों के लिए प्लास्टिक के झंडे, कैड़ी के छड़े, आईस्क्रीम छड़े
-  प्लेट्स, कप, ग्लासेस, कटलरी जैसे कि चम्मच, चाकू पिने के लिए स्ट्रॉ, ट्रे, घुलानी (स्टिर्स)
-  100 माइक्रोन से पतले पीवीसी बेनर्स इन पर प्रतिबंध है।
-  कंपोस्टेबल प्लास्टिक (कचरा और नर्सरी की थैलियों छोड़कर)
-  सभी प्रकार के प्लास्टिक की थैलियाँ (कैरी बैग्स, नॉन बुवन बैग्स के साथ) हैण्डल वाली और बिना हैण्डल वाली
-  बर्तन, कटोरी और डिब्बे



J. K. Cement Works, Nimbahera

सुनो पापा !
अब भारत सरकार
ने सिंगल यूज
प्लास्टिक को बैन
कर दिया है।

बाजार जाते
समय
जूट या कपड़े
का बेग
लेकर जाएँ।



Display Board on Ban of SUP placed at Kailash Nagar-1



Display Board on Ban of SUP placed at Kailash Nagar-2



Awareness on Ban of Single Use Plastic conducted at Nimbahera Town



Awareness on Ban of SUP conducted at Nimbahera Town



Awareness on Ban of SUP Audio Clip Played in Loud Speaker



Awareness on Ban of SUP conducted at Sahabad Village



Awareness on Ban of SUP conducted at Arniya Paliwal Village



Display Board on Ban of Single Use Plastic placed at Sushila Nagar Colony, Mangrol



Awareness on Ban of SUP conducted at Mangrol Village



Awareness on Ban of SUP conducted at Tilakhera Village



Awareness on Ban of SUP conducted at Badoli Madhopur Village



Awareness on Ban of SUP conducted at Arniya Joshi Village



Awareness on Ban of Single Use Plastic Conducted at Falwa Village



Awareness on Ban of SUP conducted at Maliakheri Village



Awareness on Ban of SUP conducted at Rasulpura



Awareness on Ban of SUP conducted at Charlia Gadiya Village



We have dedicated team for planning execution of combined CSR activities for Both Cement Plant (Nimbahera and Mangrol unit) and its associated mines, on the focus area of infrastructure, health, sanitation & water, women-empowerment, sports, education etc.

Area wise CSR activities with expenditure details for the period from April - 2025 to March - 2026 is given as below: -

Focus area	Beneficiaries reached		Expenditure (In Rs.)
	Direct	Indirect	CSR
Health	34070	28451	38,07,099
Education	3476	15904	74,63,287
Livelihood	56354	225416	31,83,770
Rural transformation	13559	30836	77,19,246
Environment & sustainability	17000	48000	5,28,701
Disaster relief & others	1700	800	1,20,621
Total	126159	349407	2,28,22,724

Evidences: -

1. Health



2. Education



3. Livelihood



4. Rural transformation



5. Environment & sustainability

जे. के. सीमेंट वर्क्स, निम्बाहेड़ा व मांगरोल प्लांट एवं आर. एस. पी. सी. बी चित्तोडगढ़ टीम द्वारा ओजोन दिवस का आयोजन

जन जागरण संदेश

मोहन ताल चित्तोडगढ़। विद्युत ओजोन दिवस के अवसर पर जे. के. सीमेंट वर्क्स, निम्बाहेड़ा व मांगरोल प्लांट, आर. एस. पी. सी. बी चित्तोडगढ़ और सी एस आर टीम के सहयोग से पावर अवरिशन और अपरिषा जोशी आम पंचायतों के तकरीबन 1000 मायनिक विद्युतलय में जागरण कार्यक्रम आयोजित किया गया। यह कार्यक्रम जे. के. सीमेंट के युनिट हेड सनीष तोपनीवान और एच.आर हेड प्रकाश मिश्रा के मार्गदर्शन में आयोजित किए गए। कार्यक्रम का उद्देश्य बच्चों को रोचक और सार्विक तरीके से जोड़ने हुए उन्हें ओजोन परत के महत्व के



वारे में जागरण करना था। इस दौरान जागरणकर्ता सन, पोस्टर प्रतियोगिता, निबंध लेखन प्रतियोगिता तथा प्रस्नोत्तरी प्रतियोगिता का आयोजन किया गया, जिसमें विद्यार्थियों ने पूरे उत्साह से भाग लिया। उनके उत्तरों से यह स्पष्ट हुआ कि वे पर्यावरणीय विषयों और

वितरण के साथ आनंदमय सहभागिता स्तर से सम्मानित हुआ। अंत में छात्रों को कौंधे उपहार प्रदान किए गए, जो पर्यावरण संरक्षण और हरित भविष्य के प्रति हमारी सामूहिक जिम्मेदारी का प्रतीक हैं। यह कार्यक्रम स केवल जागरणकर्ता फैलाने में सफल रहा बल्कि बच्चों को पर्यावरण की रक्षा के लिए छोटे-छोटे मूल्य महत्वपूर्ण कदम उठाने के लिए प्रेरित भी किया। इस अवसर पर जे के सीमेंट के इन्जन विभाग के वरिष्ठ प्रबन्धक योगेश दसोरा, प्रबन्धक राजेश शीर, पर्यावरण विभाग के प्रमुख अजय शर्मा, प्रबन्धक माधुरी, जैकिश, सी एस आर प्रमुख राहुल कुमार एच आर टीम से लोकेश व अनूप जी आदि उपस्थित थे।



6. Disaster relief & others

