

NBH/PC-14/C14/2025-26/0247

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 report of Nimbahera-Ahirpura Limestone Mine (ML area 403.1875 ha.) by J. K. Cement Works, Nimbahera, Dist. Chittorgarh (Rajasthan) for the period of **October 2025 to March 2026.**

Ref.: EC letter no. - J-11015/83/2004-IA. II(M) dated. 07<sup>th</sup> July 2021

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 [moef@nic.in](mailto:moef@nic.in), [ccb.cpcb@nic.in](mailto:ccb.cpcb@nic.in), [member-secretary@rpcb.nic.in](mailto:member-secretary@rpcb.nic.in), [cpcb.bhopal@gov.in](mailto:cpcb.bhopal@gov.in), [monitoring-ec@nic.in](mailto:monitoring-ec@nic.in), [iro.jaipur-mefcc@gov.in](mailto:iro.jaipur-mefcc@gov.in), [ro.chittorgarh@gmail.com](mailto: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, Area 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](mailto:admin.padamtower@jkcement.com)
- 🌐 [www.jkcement.com](http://www.jkcement.com)



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White Cement Wall Putty

Manufacturing Units at :

Nimbahera, Mangrol, Gotan (Rajasthan) | Muddapur (Karnataka)  
Jharli (Haryana) | Katni (M.P.) | Aligarh (U.P.) | Balasinor (Gujarat)



**Half Yearly Compliance Report  
2026**

**01 Jun(01 Oct - 31 Mar)**

**Acknowledgement**

<b>Proposal Name</b>	Proposal for Environmental Clearance under the provision of Notification S.O. 1530 (E) dated 06th April, 2018 for Nimbahera - Ahirpura Limestone Mine (ML Area: 403.1875 ha.) with reduction in production capacity (ROM) from 2.0 Million TPA to 0.8949 Million TPA (Limestone: - 0.8609 Million TPA, Subgrade Mineral: - 0.0050 Million TPA, Inter-burden: - 0.0220 Million TPA and Top Soil: 0.007 Million TPA) located at Villages: Ahirpura-Murlia, Tehsil: Nimbahera, District: Chittorgarh, Rajasthan by J.K. Cement Works (A Unit of M/s. J.K. Cement Limited).																		
<b>Name of Entity / Corporate Office</b>	J K Cement Ltd																		
<b>Village(s)</b>	N/A																		
<b>District</b>	CHITTORGARH																		
<table border="1"><tr><td><b>Proposal No.</b></td><td>IA/RJ/MIN/210710/2020</td></tr><tr><td><b>Plot / Survey / Khasra No.</b></td><td>N/A</td></tr><tr><td><b>State</b></td><td>RAJASTHAN</td></tr><tr><td><b>MoEF File No.</b></td><td>J-11015/83/2004-IA.II(M)</td></tr></table>	<b>Proposal No.</b>	IA/RJ/MIN/210710/2020	<b>Plot / Survey / Khasra No.</b>	N/A	<b>State</b>	RAJASTHAN	<b>MoEF File No.</b>	J-11015/83/2004-IA.II(M)	<table border="1"><tr><td><b>Category</b></td><td>Non-Coal Mining</td></tr><tr><td><b>Sub-District</b></td><td>N/A</td></tr><tr><td><b>Entity's PAN</b></td><td>*****0355R</td></tr><tr><td><b>Entity name as per PAN</b></td><td>J K CEMENT LIMITED</td></tr></table>	<b>Category</b>	Non-Coal Mining	<b>Sub-District</b>	N/A	<b>Entity's PAN</b>	*****0355R	<b>Entity name as per PAN</b>	J K CEMENT LIMITED		
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**Compliance Reporting Details**

<b>Reporting Year</b>	2026
<b>Remarks (if any)</b>	Submitting herewith the Six Monthly EC Compliance Report for the period October 2025 to March 2026 : for Nimbahera - Ahirpura Limestone Mine (ML Area: 403.1875 ha.) with reduction in production capacity (ROM) from 2.0 Million TPA to 0.8949 Million TPA (Limestone: - 0.8609 Million TPA, Sub-grade Mineral: - 0.0050 Million TPA, Inter-burden: - 0.0220 Million TPA and Top Soil: 0.007 Million TPA) located at Villages: Ahirpura-Murlia, Tehsil: Nimbahera, District: Chittorgarh Rajasthan by J.K. Cement Works (A Unit of M/s. J.K. Cement Limited).

<b>Reporting Period</b>	01 Jun(01 Oct - 31 Mar)					
<b>Details of Production and Project Area</b>						
<b>Name of Entity / Corporate Office</b>	J K Cement Ltd					
	<b>Project Area as per EC Granted</b>	<b>Actual Project Area in Possession</b>				
Private	403.187	254.29				
Revenue Land	0	0				
Forest	0	0				
Others	N/A	N/A				
Total	403.187	254.29				
<b>Others Area</b>						
	<b>Sr. no</b>	<b>Other Name</b>	<b>Area Granted</b>	<b>Area Actual</b>		
	1	NA	NA	NA		
<b>Production Capacity</b>						
<b>Sr. no</b>	<b>Product Name</b>	<b>units</b>	<b>Valid Upto</b>	<b>Capacity</b>	<b>Production last year</b>	<b>Capacity as per CTO</b>
1	Limestone	Million Tons per Annum (MTPA)	31/05/2027	0.8609	0.41087978	0.8609
2	Sub/grade /Mineral Reject	Million Tons per Annum (MTPA)	31/05/2027	0.0050	0	0.0050
3	Inter-burden	Million Tons per Annum (MTPA)	31/05/2027	0.0220	0.094182	0.0220
4	Top Soil	Million Tons per Annum (MTPA)	31/05/2027	0.007	0.00308	0.007
<b>Conditions</b>						
<b>Specific Conditions</b>						
<b>Sr.No.</b>	<b>Condition Type</b>	<b>Condition Details</b>				
1	Statutory compliance	Plantation must be completed this monsoon to fill the gaps.				
<b>PPs Submission: Being Complied</b> In FY 2025-26, a total of 1,045 saplings were planted up to March 2026. As of date, the cumulative						<b>Date:</b>

total area covered under plantation stands at 78.71 hectares, bringing the grand total of trees planted to 3,26,931. Photograph attached as Annexure -1.		22/05/2026
2	MINING PLAN	Mining will be restricted to already broken area and NO FRESH WILL BE BROKEN. PP has submitted that already 48 million tonnes of mineral has been extracted with the EC of 2 MT. Therefore, PP should first mine and exhaust the smaller blocks with lesser quantity of ore within a year with appropriate closure plan. Thereafter, PP can take up excavation from the bigger block with larger reserves of ore instead of mining simultaneously from all the blocks.
<b>PPs Submission:</b> Being Complied Mining activities are being carried out as per the approved mining plan only.		Date: 22/05/2026
3	GREENBELT	PP also should do plantation up to 2 benches of 10 m height each in the pit where water gets accumulated all around the periphery of the pit which must be completed in 2 years.
<b>PPs Submission:</b> Complied Plantation has been done. Photograph attached as Annexure-1.		Date: 22/05/2026
4	PUBLIC HEARING	Public hearing concerns to be addressed through capital expenditure as per the submission.
<b>PPs Submission:</b> 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. Also, 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 and water, women-empowerment, sports, education etc. Area wise CSR activities with expenditure details for the period from April - 2025 to March - 2026 is enclosed as Annexure - 13.		Date: 27/05/2026
5	WATER QUALITY MONITORING AND PRESERVATION	PP shall make attempts to reduce withdrawal of ground water. Explore the possibility of supplying water to the community from the pit water and pipeline supply should be supported by solar pump. The air quality monitoring, water quality monitoring noise & vibration will be continued with more focus on impacts near the lease boundary.
<b>PPs Submission:</b> Being Complied We are using less than 1 KLD ground water for domestic purpose. utilize the mine pit water for domestic and plant operation purpose. Air quality, water quality, Noise and vibration monitoring is being done on regular basis by NABL approval agency. Addition we have installed CAAQMS for continuous air quality monitoring. Photograph attached as Annexure-2.		Date: 22/05/2026
6	MISCELLANEOUS	Installation of solar pumps for withdrawal of water collected in the mine pit.
<b>PPs Submission:</b> Agreed to Comply Noted.		Date: 22/05/2026
<b>General Conditions</b>		
Sr.No.	Condition Type	Condition Details
1	Statutory compliance	This environmental clearance (EC) is subject to orders/judgement of Hon'ble Supreme court of India, Hon'ble High court, Hon'ble

		NGT and any other court of Law, common cause conditions as may be applicable.
<b>PPs Submission:</b> Agreed to Comply Noted		Date: 22/05/2026
2	Statutory compliance	The project proponent complies with all statutory requirements and judgement of Hon'ble Supreme court dated 2nd August, 2017 in Writ petition (Civil) no-114 of 2014 in matter of common cause versus union of India & Ors before commencing the mining operations.
<b>PPs Submission:</b> Complied Noted. Mining is being done as per approved mining plan.		Date: 22/05/2026
3	Statutory compliance	The state government concerned shall ensure that mining operation shall not be commenced till the entire compensation levied, if any, for illegal mining paid by the project proponent through their respective department of mining & geology in strict compliance of Judgement of Hon'ble Supreme court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of common cause versus Union of India & Ors.
<b>PPs Submission:</b> Complied Noted. Mining is being done as per approved mining plan.		Date: 22/05/2026
4	Statutory compliance	This Environmental Clearance shall become operational only after formal NBWL Clearance from MoEF&CC , subsequent to the recommendations of the standing committee of National board for wildlife, if applicable to the project.
<b>PPs Submission:</b> Complied Not applicable.		Date: 22/05/2026
5	Statutory compliance	This environmental clearance shall become operational only after receiving formal forest clearance (FC) under the provision of Forest Conservation Act, 1980, if applicable to the project.
<b>PPs Submission:</b> Complied Not applicable. No forest land NOC copy attached as Annexure - 7.		Date: 22/05/2026
6	Statutory compliance	PROJECT PROPONENT (PP) shall obtain consent to operate after grant of EC and effectively implement all the conditions stipulated therein. The mining activity shall not commence prior to obtaining consent to establish/consent to operate from the concerned State pollution control board/ committee.
<b>PPs Submission:</b> Complied Consent to operate has been obtain from RSPCB Jaipur vide letter No.: F (Mines) / Chittorgarh (Nimbahera) / 1869 (1) / 2017-2018 / 6610-6614, dated 15/02/2022: valid up to 31/05/2027.		Date: 22/05/2026
7	Statutory compliance	The PP shall adhere to the provision of the mines Act, 1952, Mines and mineral (Development & Regulation), Act, 2015 and rules & regulations made there under. PP shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines from time to time.

<b>PPs Submission:</b> Complied Agreed and complied.		Date: 22/05/2026
8	Statutory compliance	The project proponent shall obtain consents from all the concerned land owners, before start of mining operations, as per the provisions of MMDR Act, 1957 and rules made there under in respect of lands which are not owned by it.
<b>PPs Submission:</b> Complied Agreed.		Date: 22/05/2026
9	Statutory compliance	The project proponent shall follow the mitigation measures provided in MoEF&CC Office Memorandum No. Z-11013/57/2014-IA.II(M), dated 29th October, 2014, titled "Impact of mining activities on Habitation-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"
<b>PPs Submission:</b> Being Complied Unit has taken the following measures to reduces the impact of mining activities on habitations: - 1. Garland drain constructed and maintained regularly 2. Siltation pond facilitated and maintained. 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. 7. Dense plantation is being Carried out, which works as sound barrier and dust absorber.		Date: 22/05/2026
10	Statutory compliance	The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface water and from CGWA for withdrawal of ground water for the project.
<b>PPs Submission:</b> Being Complied NOC has been obtained for withdrawal of ground water from CGWA vide letter No CGWA/NOC/MIN/ORIG/2025/21136.		Date: 22/05/2026
11	Statutory compliance	A copy of EC letter will be marked to the concerned Panchayat/Local NGO etc. if any, from whom suggestion/representation has been received while processing the proposal.
<b>PPs Submission:</b> Complied A copy of EC has been submitted at concern panchayat, Zila Parishad, DIC Office, District Collector, SDM Office on 08/07/2021.		Date: 22/05/2026
12	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.
<b>PPs Submission:</b> Complied RSPCB displayed the EC letter at its Regional Office, District Industries Centre and Collector Office/Tehsildar Office for 30 days.		Date: 22/05/2026
13	Statutory compliance	The project authorities should widely advertise about 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 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 ( <a href="http://www.parivesh.nic.in">www.parivesh.nic.in</a> ). A copy of the

		advertisement may be forwarded to the concerned MoEF&CC Regional office for compliance and record.
<p><b>PPs Submission: Complied</b> EC granted information published in two local newspapers i.e.: Dainik Bhasker and Rajasthan Patrika on 09/07/2021 and proof of the same has been submitted along with last six-monthly EC compliance report.</p>		Date: 22/05/2026
14	Statutory compliance	The project proponent shall inform, the MoEF&CC for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred than mining operation shall only be carried out after transfer of EC as per provisions of the para 11 of EIA Notification, 2006 as amended from time to time.
<p><b>PPs Submission: Agreed to Comply</b> If any change in ownership of mining, will be intimate to the concern authority.</p>		Date: 22/05/2026
15	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall install a minimum 3 (three) online ambient quality monitoring stations with 1 (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 operation , of air pollution viz .PM10,PM2.5,NO2, CO and SO2 etc. as per the methodology mentioned in NAAQS notification No.: B-29016/20/90/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><b>PPs Submission: Being Complied</b> Three (03) nos. of CAAQMS has been installed all along the mine lease boundary: - Near view point towards village Ahirpura (common for JKCW Nimbahera plant and Ahirpura Mine). Near Ahirpura mine office (Murlia) toward village Fachar Ahiran and Lakshmipura. Towards Nimbahera city (Common for Ahirpura mine and JKCW, Nimbahera Plant). Digital display board has been provided at Mine Office. CAAQMS data is being uploading on CPCB and RSPCB portals. Ambient Air Quality Monitoring is being carried out by NABL accredited Lab and detail AAQM report is enclosed as Annexure-3.</p>		Date: 22/05/2026
16	AIR QUALITY MONITORING AND PRESERVATION	Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metalled road construction etc.) shall be carried out in areas prone to air pollution where in high levels of PM10 and PM2.5 are evident such as haul road. Loading and unloading point and transfer points. The fugitive dust emission from all sources shall be regularly controlled by installation of required equipment's / machineries and preventive maintenance. Use of suitable water-soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that air pollution level conform to the standard prescribed by the MoEF&CC / Central Pollution Control Board.
<p><b>PPs Submission: Being Complied</b> Following safeguard measures taken for prevention of dust generation: - Regular water sprinkling is being done on loading, unloading point, transfer point as well as the haul roads to prevent the dust becoming air borne during transportation movement of vehicles. Wet drilling and control blasting system implemented. Fugitive emission monitoring is being carried out regularly and report of the same for period: October 2025 to March 2026 is enclosed as Annexure-4.</p>		Date: 22/05/2026

17	WATER QUALITY MONITORING AND PRESERVATION	In case, immediate mining scheme envisages of ground water table. Then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. in case mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEF&CC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based hydrogeological study of the area.
<b>PPs Submission:</b> Being Complied NOC has been obtained for withdrawal of ground water from CGWA vide letter No NOC/MIN/RJ/2025/16857/R-1/1 dated. 30/04/2026, valid up to 08/12/2027.		Date: 22/05/2026
18	WATER QUALITY MONITORING AND PRESERVATION	Regular monitoring of the flow rate of the springs and perennial nallahs flowing in and around the mine lease shall be carried out and records maintain. The natural water bodies and or streams which are flowing in an around the village, should not be disturbed. the water table should be nurtured so as not to go down below the pre-mining period. in case of any water scarcity in the area, the project proponent has to provide water to the villagers for their use. A provision for regular monitoring of water table in open dug wall located in village should be incorporated to ascertain the impact of mining over ground water table. 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 groundwater department / State pollution control board.
<b>PPs Submission:</b> Complied No nallah passing through existing mine lease. We have taken NOC from CGWB for water withdrawal from mines. CHR reporting along with modeling is being on regular basis as per CGWB guidelines for ensuring that natural water bodies/ streams are not affected. we are monitor the water level, one online water level recorder with telemetry has been installed and real time data is linked shared with CGWA. Ground water level and quality report submitted on six-monthly basis to concert govt. authorities.		Date: 22/05/2026
19	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 operations 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 Groundwater Department / State pollution control Board.
<b>PPs Submission:</b> Being Complied Regular monitoring of ground water level and quality is being carried out in and around the mining lease area and report submitted on six-monthly basis to concert govt. authorities. Detail ground water level monitoring report for the period: October 2025 to March 2026 is enclosed as Annexure-5. Unit has installed one no. of piezometer fitted DWLR (Digital Water Level Recorder) with telemetry system for online monitoring of ground water level.		Date: 22/05/2026
20	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 and maintain its records. the project proponent shall undertake regular monitor of water quality upstream and downstream of water bodies passing within and nearby/adjacent to the mine lease and maintain its records. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. PP shall carryout monitoring w.r.t. pH and included and same in the monitoring plan. The parameters to be monitored shall include their water quality vis-a-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 MoEF&CC. 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 Central Pollution Control Board. Clearly showing the trend analysis on six-monthly basis.
<b>PPs Submission: Being Complied</b> We are monitoring the ground water quality on 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 post Monsoon report is enclosed as Annexure-6.		Date: 22/05/2026
21	<b>WATER QUALITY MONITORING AND PRESERVATION</b>	Quality of polluted water generated from mining operation 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 27.5.2009 issued by ministry of environment forest and climate change may also be referred in this regard.
<b>PPs Submission: Complied</b> There is no waste water generation from the Limestone mining operation. Mine Key parameter data is being uploaded at <a href="http://www.jkcement.com/environmental-compliance">www.jkcement.com/environmental-compliance</a> as per notification as well as displayed at mine office.		Date: 22/05/2026
22	<b>WATER QUALITY MONITORING AND PRESERVATION</b>	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 MoEF&CC annually.
<b>PPs Submission: Complied</b> To augment the water resources, rainwater harvesting is done and stored in lower most benches (Water reservoir). Surface water during rainy season is collected in the lower bench of the mine to augment ground water resources. Photographs Enclosed as Annexure - 8.		Date: 22/05/2026
23	<b>WATER QUALITY MONITORING AND PRESERVATION</b>	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.
<b>PPs Submission: Being Complied</b> No any active vehicle washing facility at Ahirpura mines location. Old washing facility has been dismantle. Now We have common Workshop at Maliakhera mines for HEMM and another vehicle washing and wastewater monitoring has been carried out by NABL accredited laboratory.		Date: 22/05/2026
24	<b>WATER QUALITY MONITORING AND</b>	The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported

	PRESERVATION	to the Regional office of the MoEF & CC and State pollution Control Board /Committee.
<p><b>PPs Submission: Being Complied</b> A water audit is being conducted as per requirement by a CGWB-approved water auditor, and the report is submitted to the concerned authority.</p>		Date: 22/05/2026
25	Noise Monitoring & 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.
<p><b>PPs Submission: Being Complied</b> Blasting operation is being carried out in daytime only. Use of electronic Delay Detonator, non-electric detonator (NONEL) for blasting and to mitigate vibration and AOP. Water injection system on DTH drill has been provided which suppresses dust at its source of generation. We are using Minimate for vibration and AOP monitoring for blast. Max Peak partial velocity was observed is 2.468 mm/sec for the period: October 2025 to March 2026 Detail PPV/vibration report is enclosed as Annexure - 9.</p>		Date: 22/05/2026
26	Noise Monitoring & Prevention	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise level 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.
<p><b>PPs Submission: Being Complied</b> There is no mining operation during night time, hence no possibility of increase the noise level. There is no mining operation at night time hence, Mask/Flood Lights are kept on off mode. Detail ambient noise level monitoring report for the period: October 2025 to March 2026 is enclosed as Annexure - 3.1.</p>		Date: 22/05/2026
27	Noise Monitoring & Prevention	The project proponent shall take measures for control of noise levels below 85dBA 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.
<p><b>PPs Submission: Being Complied</b> Regular maintenance (including cabin) of HEMM are being done to keep noise level well within the specified limits. Workers engaged in operation of HEMM etc. are provided ear plugs and all applicable necessary PPEs Onsite tool box talk is being conducted on daily basis and also periodical training for all employee and workmen is being conducted.</p>		Date: 22/05/2026
28	MINING PLAN	The project proponent shall get the final mine closure plan along with financial assurance approved from Indian bureau of mines/ department of mining & geology as required under the provision of the MMDR Act,1957 and rules/ guidelines made there under. A copy of approved final mine closure plan shall be submitted within 2 months of the approval of the same from the competent authority to the concerned regional office of the ministry of environment, Forest and climate change for the record and verification.
<p><b>PPs Submission: Agreed to Comply</b></p>		Date:

The final mine closure plan will be submitted due course of time.		22/05/2026
29	MINING PLAN	The land use of the mine 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 afforestation to be raised in the reclaimed area shall be governed as per approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes self-sustaining. The compliance status shall be submitted half-yearly to the MoEF&CC and its concerned Regional office.
<b>PPs Submission:</b> Being Complied There is no back filling proposed under the approved mining plan.		Date: 22/05/2026
30	MINING PLAN	The overburden (O.B.) generated during the mining operations shall be 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 dumps like height, width and angle of slope shall be governed as per the approved mining plan as per the guidelines/circulars issued by D.G.M.S. w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of top soil/OB dumps. The top soil shall be used for land reclamation and plantation.
<b>PPs Submission:</b> Being Complied Size in meters is given below: Material Length Width Height Mineral reject 161 129 10 OB waste 220 212 17		Date: 22/05/2026
31	LAND RECLAMATION	The reject/waste generated during the mining operations shall be stacked at earmarked waste dump site(s) only. The physical parameters of the waste dumps like height, width, and angle of slope shall be governed as per the approved mining plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.
<b>PPs Submission:</b> Complied OB and subgrade generated are stacked separately as per mining plan and DGMS guidelines.		Date: 22/05/2026
32	LAND RECLAMATION	The reclamation of waste dump sites shall be done in scientific manner as per the approved mining plan cum progressive mine closure plan.
<b>PPs Submission:</b> Complied Presently dump is active, there is no reclamation is going on. Mining is being done as per approved mining plan.		Date: 22/05/2026
33	LAND RECLAMATION	The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope, prevent erosion and surface run off. The selection of local species regulates local climatic parameters and help in adaptation of plan 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/ levelling of dump mass. In critical areas use of geo textiles/geo-membranes/clay liners/ Bentonite etc. shall be undertaken for stabilization of the dump.

<p><b>PPs Submission: Complied</b> Presently OB dumps are active, vegetation will be done after the dump are inactive or dead.</p>		<p>Date: 22/05/2026</p>
34	LAND RECLAMATION	The project proponent shall carry out slope stability in case the dump height is more than 30 meters. The slope stability report shall be submitted to concerned regional office of MOEF&CC.
<p><b>PPs Submission: Complied</b> Size in meters is given below: Material Length Width Height Mineral reject 161 129 10 OB waste 220 212 17</p>		<p>Date: 22/05/2026</p>
35	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 (Nallahs/River/Pond etc.) The collected water should be utilized for watering the mine area, roads, green belt development, plantation etc. the drains/sedimentation sumps etc. shall be de-silted regularly, particularly after monsoon season, and maintained properly.
<p><b>PPs Submission: Being Complied</b> Constructed garland drains and siltation ponds. To collect run off water from subgrade dump and waste dump, garland drain and siltation pit has been constructed. Details are given below: - Garland Drain Dimension East side of Subgrade and waste dump Length - 630 m Width - 1.0m Depth - 1.0m Constructed one siltation pit with dimension as given below: - S. No. Length (m) Width (m) Depth (m) Capacity (m3) 1 17 17 3 867 2 18 17 3 918 Total 1785 The storm water is being collected through garland drain from periphery of the subgrade and the waste dump and routed to siltation pond.</p>		<p>Date: 22/05/2026</p>
36	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 shall be constructed at the corners of the garland drains.
<p><b>PPs Submission: Complied</b> Constructed garland drains and siltation ponds. To collect run off water from subgrade dump and waste dump, garland drain and siltation pit has been constructed. Details are given below: Garland drain Dimension East side of Subgrade and waste dump Length - 630 m Width - 1.0 m Depth - 1.0 m Total available rainwater in single day (considering maximum 50 mm rainfall) 1.Overburden waste dump (area) X rainfall (m) X Runoff coefficient (20 percent): 26140 m2 X 0.05 m X 0.20 is equal to 261.4 m3 and considering 50 percent safety margin then total capacity of siltation pond should be 522.8 m3. 2.Subgrade stack (area) X rainfall (m) X Runoff coefficient (20 percent): 24330 m2 X 0.05 m X 0.20 is equal to 243.3 m3 and considering 50 percent safety margin then total capacity of siltation pond should be 486.6 m3. 3.Embankment dump (area) X rainfall (m) X Runoff coefficient (20 percent): 37140 m2 X 0.05 m X 0.20 is equal to 371.4 m3 and considering 50 percent safety margin then total capacity of siltation pond should be 742.8 m3.</p>		<p>Date: 22/05/2026</p>
37	LAND RECLAMATION	The top soil, if any, shall temporarily be stored at earmarked sites(s) within the mine lease only and should not be kept unutilized for long. The physical parameters of the top soil dumps like height, width and angle of slope shall be governed as per the approved mining plan and as per the guidelines framed by D.G.M.S w.r.t. safety in mining operations shall be strictly adhered the stability of dumps. The top soil shall be used for land reclamation and plantation purpose.

<p><b>PPs Submission:</b> Complied There is no storage of top soil, it is directly used for plantation purpose.</p>		<p>Date: 22/05/2026</p>
38	MISCELLANEOUS	<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 centres.</p>
<p><b>PPs Submission:</b> Being Complied S No. Vehicle No. PUCC No. Validity 1 RJ09GC0328 RJ05900660046690 31-03-2027 2 RJ09GC1128 RJ05900660046695 31-03-2027 3 RJ09GC1228 RJ05900660046694 31-03-2027 4 RJ09GC1328 RJ05900660046698 31-03-2027 5 RJ09GC1428 RJ05900660046699 31-03-2027 6 RJ09GC2328 RJ05900660046706 31-03-2027 7 RJ09GC2528 RJ05900660046708 31-03-2027 8 RJ09GB5928 RJ05900660046675 30-09-2026 9 RJ09GB2628 RJ05900660046700 30-09-2026 10 RJ09GB5828 RJ05900660046671 30-09-2026 We have our own road for transporting the minerals. We ensuring that all vehicle having valid PUC and mandatory document as per govt norms and maintained the record.</p>		<p>Date: 22/05/2026</p>
39	MISCELLANEOUS	<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 zone, material transfer points. Material yards etc. should invariably be provide with dust suppression arrangements. The air pollution control equipment's like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at crusher, 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>
<p><b>PPs Submission:</b> Being Complied We are taking all mandatory precaution to control fugitive dust emission like Water spray are being done through water tanker on haul road. Photographs are enclosed as Annexure - 10.</p>		<p>Date: 22/05/2026</p>
40	GREENBELT	<p>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.</p>
<p><b>PPs Submission:</b> Being Complied Wide plantation has been done and developed as a greenbelt for maintaining safety zone along with the mines lease boundary. Photograph attached as Annexure - 1.</p>		<p>Date: 22/05/2026</p>

41	GREENBELT	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/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.
<b>PPs Submission: Being Complied</b> There is no proposal of backfilled, pit shall be used for water storage at conceptual stage.		Date: 22/05/2026
42	GREENBELT	The project proponent shall make necessary alternative arrangements for livestock feed be developing grazing land with a view to compensate those areas which are coming within the mine lease rea. 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.
<b>PPs Submission: Complied</b> Grazing land has been developed within plantation area.		Date: 22/05/2026
43	GREENBELT	The project proponent shall undertake all precautionary, measures for conservation and protection of endangered flora and fauna and schedule –I species during mining operation. A wildlife conservation plan shall be prepared for the same clearly delineating action to be taken for conservation of flora and fauna. The plan shall be approved by Chief Wild Life Warden of the State Govt.
<b>PPs Submission: Being Complied</b> 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.		Date: 22/05/2026
44	GREENBELT	And implemented in consultation with the state Forest and Wildlife Department. A copy of wildlife conservation Plan and its implementation status (annual) shall be submitted to the Regional Office of the Ministry.
<b>PPs Submission: Being Complied</b> 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.		Date: 22/05/2026
45	PUBLIC HEARING	The Project Proponent shall appoint an Occupational Health Specialist for Regular as well as Periodical medical examination of the workers engaged in the mining activities, as per the DGMS guidelines. The records shall be maintained properly. PP shall also carryout Occupational health check-ups in respect of workers which

		are having ailments like BP, diabetes, habitual smoking, etc. The check-ups shall be undertaken once in six months and necessary remedial/ preventive measures be taken. A status report on the same may be sent to MoEF&CC Regional Office and DGMS on half-yearly basis.
<p><b>PPs Submission: Being Complied</b>  Periodic medical check-up of workers is being carried out on regular basis. Detail of medical check-up carried out during the period: October 2025 to March 2026 is given in below table Particular Medical Exam. - Carried out (in Nos.) Persons examined - 4 Initial Medical Examination - 1 Periodical Medical Examination - 3 Disease observed - Nil Medical Reports are attached as annexure - 11.</p>		<p>Date: 22/05/2026</p>
46	PUBLIC HEARING	<p>The Project Proponent must demonstrate commitment to work towards 'Zero Harm' from their mining activities and carry out Health Risk Assessment (HRA) for identification workplace hazards and assess their potential risks to health and determine appropriate control measures to protect the health and wellbeing of workers and nearby community. The proponent shall maintain accurate and systematic records of the I-IRA. The I-IRA for neighborhoods has to focus on Public Health Problems like Malaria, Tuberculosis, HIV, Anemia, Diarrhea in children under five, respiratory infections due to bio mass cooking. The proponent shall also create awareness and educate the nearby community and workers for Sanitation, Personal Hygiene, Hand washing, not to defecate in open, Women Health and Hygiene (Providing Sanitary Napkins), hazard of tobacco and alcohol use. The Proponent shall carryout base line I-IRA for all the category of workers and thereafter every five years.</p>
<p><b>PPs Submission: Complied</b>  Company has implemented Zero Harm Goal Policy and periodically identified the hazards and preventive action are being taken. Best practices have been implemented to maintain vibration, fly rocks, dust emission, noise level and all parameters well within the limit. Mobile medical check-up camps are being organized to all nearby villages for treatment and medicine free of cost.</p>		<p>Date: 22/05/2026</p>
47	PUBLIC HEARING	<p>The Proponent shall carry out Occupational health surveillance which be a part of HRA and include Biological Monitoring where practical and feasible, and the tests and investigations relevant to the exposure (e.g. for Dust a X-Ray chest; For Noise Audiometric; for Lead Exposure Blood Lead, For Welders Full Ophthalmologic Assessment; for Manganese Miners a complete Neurological Assessment by a Certified Neurologist, and Manganese (Mn), Estimation in Blood; For Inorganic Chromium, Fortnightly skin inspection of hands and forearms by a responsible person. Except routine tests all tests would be carried out in a Lab accredited by NABH. Records of Health Surveillance must be kept for 30 years, including the results of and the records of Physical examination and tests. The record of exposure due to materials like Asbestos, Hard Rock Mining, Silica, Gold, Kaolin, Aluminium, Iron, Manganese, Chromium, Lead, Uranium need to be handed over to the Mining Department of the State in case the life of the mine is less than 30 years. It would be obligatory for the State Mines Departments to make arrangements for the safe and secure storage of the records including X-Ray. Only conventional X-Ray will be accepted for record purposes and not the digital one). must meet ILO criteria (17 x14 inches and of good quality).</p>
<p><b>PPs Submission: Being Complied</b>  Pre-employment medical check-up are being carried out considering the parameter as per DGMS guidelines</p>		<p>Date: 22/05/2026</p>

48	PUBLIC HEARING	The Proponent shall maintained a record of performance indicators for workers which includes (a) there should not be a significant decline in their Body Mass Index and it should stay between 18.5 - 24.9, (b) the Final Chest X-Ray compared with the base line X-Ray should not show any capacities ,(c) At the end of their leaving job there should be no Diminution in their Lung Functions Forced Expiratory Volume in one second (FEV1), forced vital capacity (FVC) and the ratio unless they are smokers which has to be adjusted and the effect of age, (d) their hearing should not be affected . as a proof an Audiogram (first and last need to be presented), (e) they should not have developed any persistent back pain, neck pain and the movement of their Hip, Knee and other joints should have normal range of movement, (f) they should not have suffered loss of any body part. The record of the same should be submitted to the regional office. MoEF&CC annually along with details of the relief and compensation paid to workers having above indications.
<b>PPs Submission:</b> Being Complied Record are being maintained.		<b>Date:</b> 22/05/2026
49	PUBLIC HEARING	The Project Proponent shall ensure that Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
<b>PPs Submission:</b> Being Complied PPEs have been provided and used by the persons engaged in drilling, dozing and loading. VT is being provided as under required VT Rules.		<b>Date:</b> 22/05/2026
50	PUBLIC HEARING	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.
<b>PPs Submission:</b> Complied All workman and employees are residing in colony situated at Nimbahera Cement Plant where all basic facilities are available. There is no temporary structure/hutment has been constructed in mining area.		<b>Date:</b> 22/05/2026
51	PUBLIC HEARING	The activities proposed in Action plan prepared for addressing the issues raised during the Public Hearing shall be completed as per the budgetary provisions mentioned in the Action Plan and within the stipulated time frame. The Status Report on implementation of Action Plan shall be submitted to the concerned Regional Office of the Ministry along with District Administration.
<b>PPs Submission:</b> 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. Also, 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 and water, women-empowerment, sports, education etc. Area wise CSR activities with expenditure details for the period from April - 2025 to March - 2026 is enclosed as Annexure - 13.		<b>Date:</b> 27/05/2026
52	Corporate Environmental	The activities and budget earmarked for Corporate Environmental

	Responsibility	Responsibility (CER) as per Ministry's M No 22-65/2017-IA.II(M) dated 01.05.2018 or as proposed by EAC should be kept in a separate bank account. The activities proposed for CER shall be implemented in a time bound manner and annual report of implementation of the same along with documentary proof viz. photographs, purchase documents, latitude & longitude of infrastructure developed & road constructed needs to be submitted to Regional Office MoEF&CC annually along with audited statement.
<b>PPs Submission: Being Complied</b> Various community-focused activities addressing public concerns have already been completed. Regular maintenance of these assets is being conducted, and record is being maintained. Also, 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 and water, women-empowerment, sports, education etc. Area wise CSR activities with expenditure details for the period from April - 2025 to March - 2026 is enclosed as Annexure - 13.		Date: 27/05/2026
53	Corporate Environmental Responsibility	Project Proponent shall keep the funds earmarked for environmental protection measures in a separate account and refrain from diverting the same for other purposes. The year wise expenditure of such funds should be reported to the MoEF&CC and its concerned Regional Office.
<b>PPs Submission: Being Complied</b> Noted.		Date: 22/05/2026
54	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.
<b>PPs Submission: Being Complied</b> Latest Digital map for land use and cover report for entire lease area is attached as annexure - 12. Which is valid till August 2030.		Date: 22/05/2026
55	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.
<b>PPs Submission: Agreed to Comply</b> Noted.		Date: 22/05/2026
56	MISCELLANEOUS	The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MOEF&CC & its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.
<b>PPs Submission: Being Complied</b> Last six-monthly EC compliance report has been submitted on 29/05/25 through email and submitted to all respective office on 29.05.2025.		Date: 22/05/2026
57	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.

<p><b>PPs Submission: Being Complied</b> A separate environmental management cell with qualified personnel is already established and has sufficient monitoring equipment as well as regular monitoring conducted by 3rd party NABL accredited Lab.</p>		<p>Date: 22/05/2026</p>
58	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.
<p><b>PPs Submission: Agreed to Comply</b> Noted and Agreed</p>		<p>Date: 22/05/2026</p>
59	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.
<p><b>PPs Submission: Agreed to Comply</b> Noted and Agreed</p>		<p>Date: 22/05/2026</p>
60	MISCELLANEOUS	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attracts action under the provisions of Environment (Protection) Act, 1986.
<p><b>PPs Submission: Agreed to Comply</b> Noted.</p>		<p>Date: 22/05/2026</p>
61	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 of Chhattisgarh and any other Court of Law relating to the subject matter.
<p><b>PPs Submission: Agreed to Comply</b> Noted and Agreed</p>		<p>Date: 22/05/2026</p>
62	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.
<p><b>PPs Submission: Agreed to Comply</b> Noted and agreed.</p>		<p>Date: 22/05/2026</p>
63	MISCELLANEOUS	This issues with the approval of competent Authority.
<p><b>PPs Submission: Agreed to Comply</b> Noted and agreed</p>		<p>Date: 22/05/2026</p>
64	MINING PLAN	The project proponent shall adhere to the working of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e.: quantum of mineral

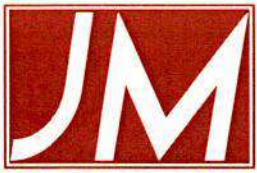
		<p>waste, over burden, inter burden and top soil No change in basic mining proposal like mining technology. total excavation, mineral &amp; waste production, lease area and scope of working (viz. method of mining, overburden &amp; dump management, O.B. &amp; dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not be carried out without prior approval of the ministry of Environments, forest and climate change, which entail adverse environmental impacts , even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form to short term permit (STP), query license or any other name.</p>
<p><b>PPs Submission:</b> Being Complied  Method of mining is opencast, fully mechanized using wet drilling and control blasting. All mining activities are being carried out as per the approved mining plan. Detail of excavation carried out during FY 2025-26 (October 2025 to March 2026)</p>		<p>Date: 22/05/2026</p>
<p><b>Visit Remarks</b></p>		
<p><b>Last Site Visit Report Date:</b></p>	<p>N/A</p>	
<p><b>Additional Remarks:</b></p>	<p>Yours Sincerely, For, Nimbahera-Ahirpura Limestone Mines J. K. Cement Works, Nimbahera.</p>	
<p><b>Note:</b> 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>		

Green Belt Photographs



CAAQMS Photographs





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/05**  
 Name & Address of Unit: **Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)**

Report No.: **JME/A/251110007**  
 Format No.: **7.8 F-02**  
 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: **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 Water Pump House, Ahirpura Block**  
**24.64634722**  
**74.68200000**  
**RDS, FPS & BS**  
**JME/RDS/02/01, JME/FPS/01/12 & JME/BS/01/05**  
**Calibrated**  
**Regulatory Requirement**  
**Intermittent Rainfall & Cloudy Sky**  
**03/11/2025 to 04/11/2025**  
**10:13 to 10:20 Hrs.**  
**1446.0**  
**Max 31°C, Min 22°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)	13.4	µg/m <sup>3</sup>	400 (24 hourly)
2.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m <sup>3</sup>	6 (Annual)
3.	Benzene	IS:5182, (Part-11)	BDL (DL 1.0)	µg/m <sup>3</sup>	5 (Annual)
4.	Benzo (a) Pyrene	IS:5182, (Part-12)	BDL (DL 0.5)	ng/m <sup>3</sup>	1 (Annual)
5.	Carbon Monoxide	IS: 5182, (Part-10)	BDL (DL 0.5)	mg/m <sup>3</sup>	4 (1 hourly)
6.	Lead	IS: 5182, (Part-22)	BDL (DL 0.02)	µg/m <sup>3</sup>	1 (24 hourly)
7.	Nickel	IS: 5182, (Part-26)	BDL (DL 1.0)	ng/m <sup>3</sup>	20 (Annual)

Page 1 of 2

Checked by  
  
 Deepak Singh Yadav

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 Sita Ram Yadav

#### Note:

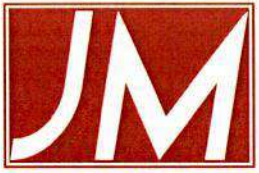
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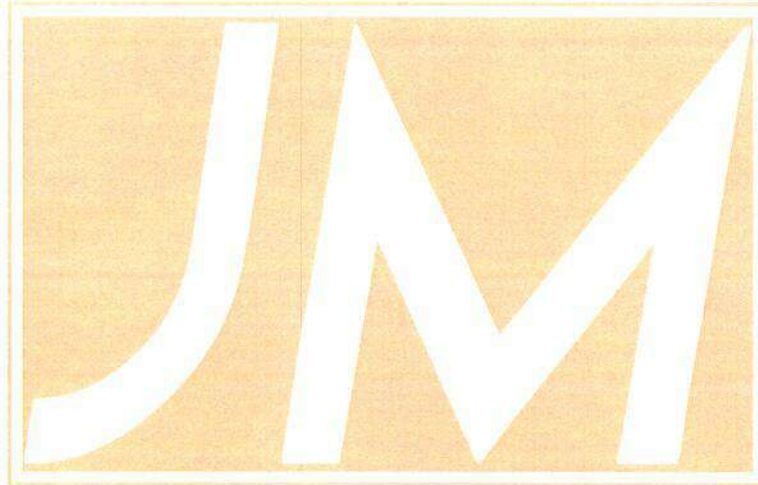
## TEST REPORT

Sample Number: **JME/JKCW/A/05**

Report No.: **JME/A/251110007**

S. No.	Test Parameter	Test Method	Result	Unit	NAAQS
8.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182, (Part-6)	10.3	µg/m <sup>3</sup>	80 (24 hourly)
9.	Ozone	IS: 5182, (Part-9)	13.7	µg/m <sup>3</sup>	180 (1 hourly)
10.	PM <sub>10</sub>	IS:5182, (Part-23)	65.0	µg/m <sup>3</sup>	100 (24 hourly)
11.	PM <sub>2.5</sub>	IS:5182, (Part-24)	32.7	µg/m <sup>3</sup>	60 (24 hourly)
12.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182, (Part-2) Sec 1	6.2	µg/m <sup>3</sup>	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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**Note:**

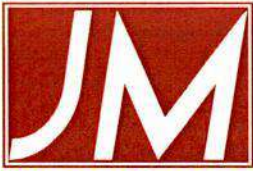
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## TEST REPORT

Sample Number: **JME/JKCW/A/06**  
 Name & Address of Unit: **Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)**

Report No.: **JME/A/251110008**  
 Format No.: **7.8 F-02**  
 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: **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, Ahirpura Block**  
**24.64634722**  
**74.68200000**  
**RDS, FPS & BS**  
**JME/RDS/02/08, JME/FPS/01/34 & JME/BS/01/02**  
**Calibrated**  
**Regulatory Requirement**  
**Intermittent Rainfall & Cloudy Sky**  
**03/11/2025 to 04/11/2025**  
**10:45 to 10:51 Hrs.**  
**1446.0**  
**Max 31°C, Min 22°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)	14.4	µg/m <sup>3</sup>	400 (24 hourly)
2.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m <sup>3</sup>	6 (Annual)
3.	Benzene	IS:5182, (Part-11)	BDL (DL 1.0)	µg/m <sup>3</sup>	5 (Annual)
4.	Benzo (a) Pyrene	IS:5182, (Part-12)	BDL (DL 0.5)	ng/m <sup>3</sup>	1 (Annual)
5.	Carbon Monoxide	IS: 5182, (Part-10)	BDL (DL 0.50)	mg/m <sup>3</sup>	4 (1 hourly)
6.	Lead	IS: 5182, (Part-22)	BDL (DL 0.02)	µg/m <sup>3</sup>	1 (24 hourly)
7.	Nickel	IS: 5182, (Part-26)	BDL (DL 1.0)	ng/m <sup>3</sup>	20 (Annual)

Page 1 of 2

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**Sita Ram Yadav**

#### Note:

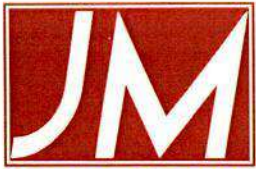
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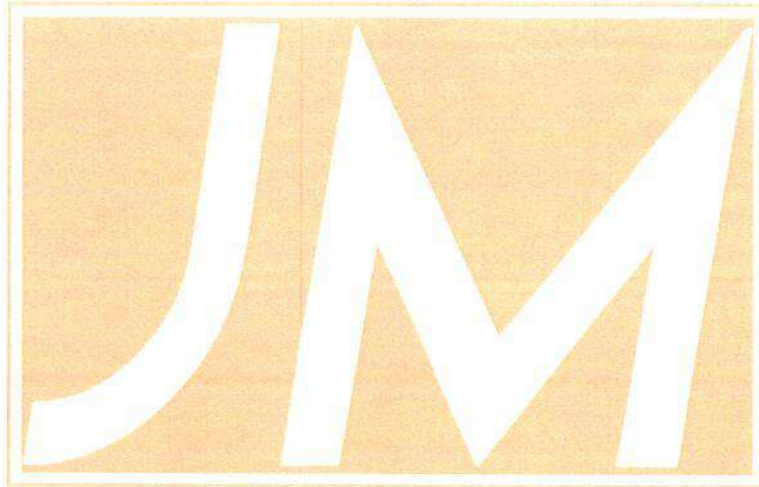
## TEST REPORT

Sample Number: **JME/JKCW/A/06**

Report No.: **JME/A/251110008**

S. No.	Test Parameter	Test Method	Result	Unit	NAAQS
8.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182, (Part-6)	15.7	µg/m <sup>3</sup>	80 (24 hourly)
9.	Ozone	IS: 5182, (Part-9)	10.2	µg/m <sup>3</sup>	180 (1 hourly)
10.	PM <sub>10</sub>	IS:5182, (Part-23)	68.1	µg/m <sup>3</sup>	100 (24 hourly)
11.	PM <sub>2.5</sub>	IS:5182, (Part-24)	47.8	µg/m <sup>3</sup>	60 (24 hourly)
12.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182, (Part-2) Sec 1	5.7	µg/m <sup>3</sup>	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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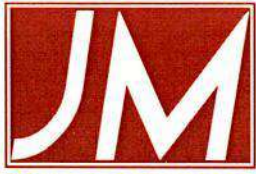
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\*\*End of Report\*\*



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## TEST REPORT

Sample Number: **JME/JKCW/A/07**  
 Name & Address of Unit: **Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)**

Report No.: **JME/A/251110009**  
 Format No.: **7.8 F-02**  
 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: **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, Murlia Block**  
**24.68255556**  
**74.65071389**  
**RDS, FPS & BS**  
**JME/RDS/01/29, JME/FPS/01/07 & JME/BS/01/01**  
**Calibrated**  
**Regulatory Requirement**  
**Intermittent Rainfall & Cloudy Sky**  
**03/11/2025 to 04/11/2025**  
**11:06 to 11:10 Hrs.**  
**1444.0**  
**Max 31°C, Min 22°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)	16.3	µg/m <sup>3</sup>	400 (24 hourly)
2.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m <sup>3</sup>	6 (Annual)
3.	Benzene	IS:5182, (Part-11)	BDL (DL 1.0)	µg/m <sup>3</sup>	5 (Annual)
4.	Benzo (a) Pyrene	IS:5182, (Part-12)	BDL (DL 0.5)	ng/m <sup>3</sup>	1 (Annual)
5.	Carbon Monoxide	IS: 5182, (Part-10)	BDL (DL 0.5)	mg/m <sup>3</sup>	4 (1 hourly)
6.	Lead	IS: 5182, (Part-22)	BDL (DL 0.02)	µg/m <sup>3</sup>	1 (24 hourly)
7.	Nickel	IS: 5182, (Part-26)	BDL (DL 1.0)	ng/m <sup>3</sup>	20 (Annual)

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Checked by  
**Deepak Singh Yadav**

#### Note:

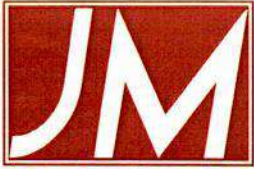
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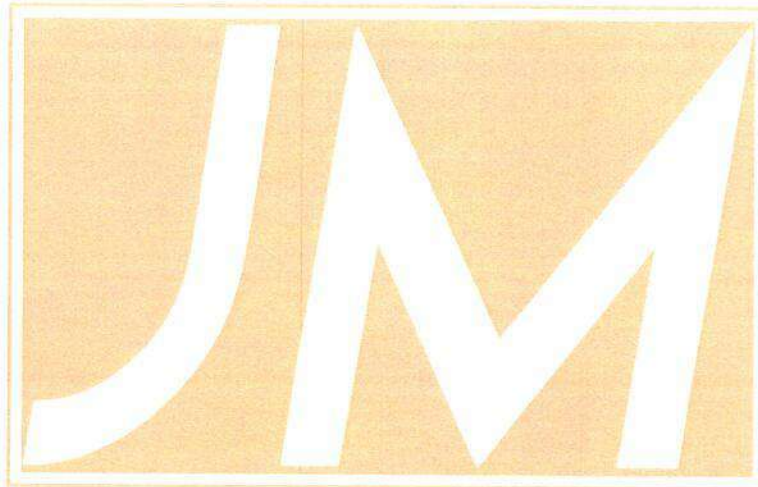
## TEST REPORT

Sample Number: **JME/JKCW/A/07**

Report No.: **JME/A/251110009**

S. No.	Test Parameter	Test Method	Result	Unit	NAAQS
8.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182, (Part-6)	16.8	µg/m <sup>3</sup>	80 (24 hourly)
9.	Ozone	IS: 5182, (Part-9)	7.6	µg/m <sup>3</sup>	180 (1 hourly)
10.	PM <sub>10</sub>	IS:5182, (Part-23)	64.7	µg/m <sup>3</sup>	100 (24 hourly)
11.	PM <sub>2.5</sub>	IS:5182, (Part-24)	33.9	µg/m <sup>3</sup>	60 (24 hourly)
12.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182, (Part-2) Sec 1	8.6	µg/m <sup>3</sup>	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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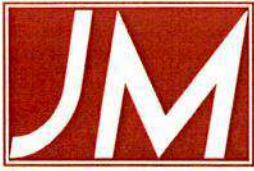
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\*\*End of Report\*\*



## TEST REPORT

Sample Number: **JME/JKCW/A/08**  
 Name & Address of Unit: **Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)**

Report No.: **JME/A/251110010**  
 Format No.: **7.8 F-02**  
 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: **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**  
**Murlia Village**  
**24.67426944**  
**74.64866111**  
**RDS, FPS & BS**  
**JME/RDS/02/02, JME/FPS/01/13 & JME/BS/01/03**  
**Calibrated**  
**Regulatory Requirement**  
**Intermittent Rainfall & Cloudy Sky**  
**03/11/2025 to 04/11/2025**  
**11:25 to 11:33 Hrs.**  
**1448.0**  
**Max 31°C, Min 22°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)	24.2	µg/m <sup>3</sup>	400 (24 hourly)
2.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m <sup>3</sup>	6 (Annual)
3.	Benzene	IS:5182, (Part-11)	BDL (DL 1.0)	µg/m <sup>3</sup>	5 (Annual)
4.	Benzo (a) Pyrene	IS:5182, (Part-12)	BDL (DL 0.5)	ng/m <sup>3</sup>	1 (Annual)
5.	Carbon Monoxide	IS: 5182, (Part-10)	BDL (DL 0.5)	mg/m <sup>3</sup>	4 (1 hourly)
6.	Lead	IS: 5182, (Part-22)	BDL (DL 0.02)	µg/m <sup>3</sup>	1 (24 hourly)
7.	Nickel	IS: 5182, (Part-26)	BDL (DL 1.0)	ng/m <sup>3</sup>	20 (Annual)

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Checked by  
**Deepak Singh Yadav**

#### Note:

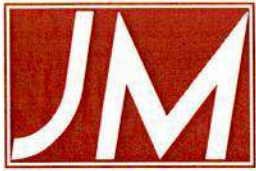
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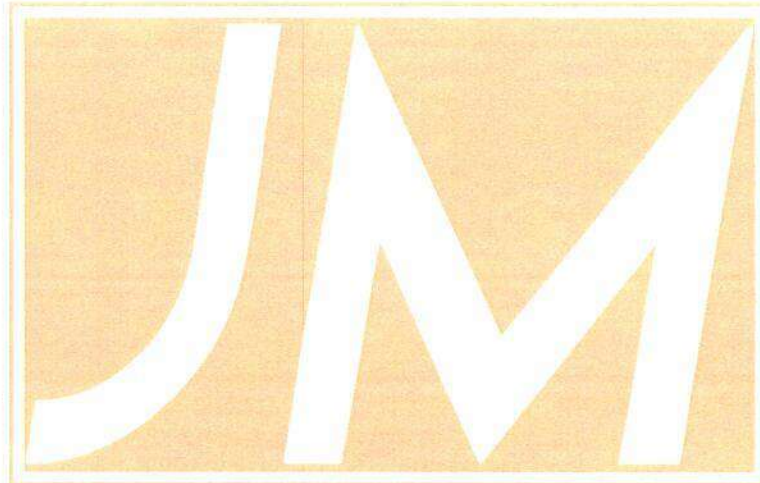
## TEST REPORT

Sample Number: **JME/JKCW/A/08**

Report No.: **JME/A/251110010**

S. No.	Test Parameter	Test Method	Result	Unit	NAAQS
8.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182, (Part-6)	16.6	µg/m <sup>3</sup>	80 (24 hourly)
9.	Ozone	IS: 5182, (Part-9)	13.8	µg/m <sup>3</sup>	180 (1 hourly)
10.	PM <sub>10</sub>	IS:5182, (Part-23)	64.5	µg/m <sup>3</sup>	100 (24 hourly)
11.	PM <sub>2.5</sub>	IS:5182, (Part-24)	30.3	µg/m <sup>3</sup>	60 (24 hourly)
12.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182, (Part-2) Sec 1	6.1	µg/m <sup>3</sup>	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/09**  
 Name & Address of Unit: **Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)**

Report No.: **JME/A/251110011**  
 Format No.: **7.8 F-02**  
 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: **AMBIENT AIR QUALITY MONITORING**

### General Information

Client Representative (Name & Designation)

**Mr. Chandrakant Tiwari (Sr. Manager)**

Sample collected by

**JMELPL Team**

Sampling Location

**Ahirpura Village**

Latitude

**24.65806111**

Longitude

**74.68079444**

Instrument used

**RDS, FPS & BS**

Instrument code

**JME/RDS/01/42, JME/FPS/01/25 & JME/BS/01/04**

Instrument Calibration Status

**Calibrated**

Scope of Monitoring

**Regulatory Requirement**

Meteorological condition during monitoring

**Cloudy Sky**

Date of Monitoring

**04/11/2025 to 05/11/2025**

Time of Monitoring

**11:47 to 11:53 Hrs.**

Duration of Monitoring, (minutes)

**1446.0**

Ambient Temperature (°C)

**Max 31°C, Min 18°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)	26.4	µg/m <sup>3</sup>	400 (24 hourly)
2.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m <sup>3</sup>	6 (Annual)
3.	Benzene	IS:5182, (Part-11)	BDL (DL 1.0)	µg/m <sup>3</sup>	5 (Annual)
4.	Benzo (a) Pyrene	IS:5182, (Part-12)	BDL (DL 0.5)	ng/m <sup>3</sup>	1 (Annual)
5.	Carbon Monoxide	IS: 5182, (Part-10)	BDL (DL 0.5)	mg/m <sup>3</sup>	4 (1 hourly)
6.	Lead	IS: 5182, (Part-22)	BDL (DL 0.02)	µg/m <sup>3</sup>	1 (24 hourly)
7.	Nickel	IS: 5182, (Part-26)	BDL (DL 1.0)	ng/m <sup>3</sup>	20 (Annual)

Page 1 of 2



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**Sita Ram Yadav**

Checked by

**Deepak Singh Yadav**

#### Note:

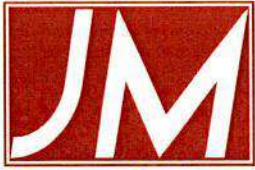
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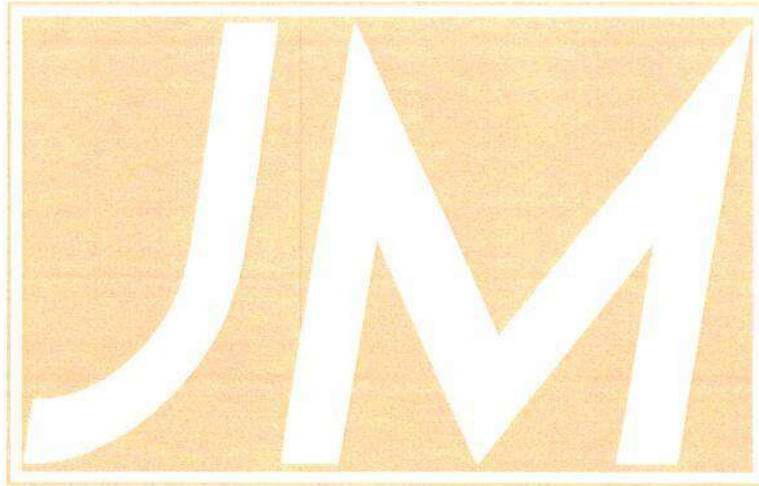
## TEST REPORT

Sample Number: **JME/JKCW/A/09**

Report No.: **JME/A/251110011**

S. No.	Test Parameter	Test Method	Result	Unit	NAAQS
8.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182, (Part-6)	12.4	µg/m <sup>3</sup>	80 (24 hourly)
9.	Ozone	IS: 5182, (Part-9)	13.6	µg/m <sup>3</sup>	180 (1 hourly)
10.	PM <sub>10</sub>	IS:5182, (Part-23)	61.8	µg/m <sup>3</sup>	100 (24 hourly)
11.	PM <sub>2.5</sub>	IS:5182, (Part-24)	29.5	µg/m <sup>3</sup>	60 (24 hourly)
12.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182, (Part-2) Sec 1	4.7	µg/m <sup>3</sup>	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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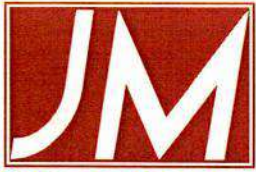
**Reg. Office & Lab.**

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\*\*End of Report\*\*



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## TEST REPORT

Sample Number: **JME/JKCW/A/10**  
 Name & Address of Unit: **Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)**

Report No.: **JME/A/251110012**  
 Format No.: **7.8 F-02**  
 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: **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, Murlia Block**  
**24.67926667**  
**74.65271111**  
**RDS, FPS & BS**  
**JME/RDS/02/03, JME/FPS/01/14 & JME/BS/01/07**  
**Calibrated**  
**Regulatory Requirement**  
**Cloudy Sky**  
**04/11/2025 to 05/11/2025**  
**12:10 to 12:17 Hrs.**  
**1447.0**  
**Max 31°C, Min 18°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)	16.8	µg/m <sup>3</sup>	400 (24 hourly)
2.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m <sup>3</sup>	6 (Annual)
3.	Benzene	IS:5182, (Part-11)	BDL (DL 1.0)	µg/m <sup>3</sup>	5 (Annual)
4.	Benzo (a) Pyrene	IS:5182, (Part-12)	BDL (DL 0.5)	ng/m <sup>3</sup>	1 (Annual)
5.	Carbon Monoxide	IS: 5182, (Part-10)	BDL (DL 0.5)	mg/m <sup>3</sup>	4 (1 hourly)
6.	Lead	IS: 5182, (Part-22)	BDL (DL 0.02)	µg/m <sup>3</sup>	1 (24 hourly)
7.	Nickel	IS: 5182, (Part-26)	BDL (DL 1.0)	ng/m <sup>3</sup>	20 (Annual)

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Checked by  
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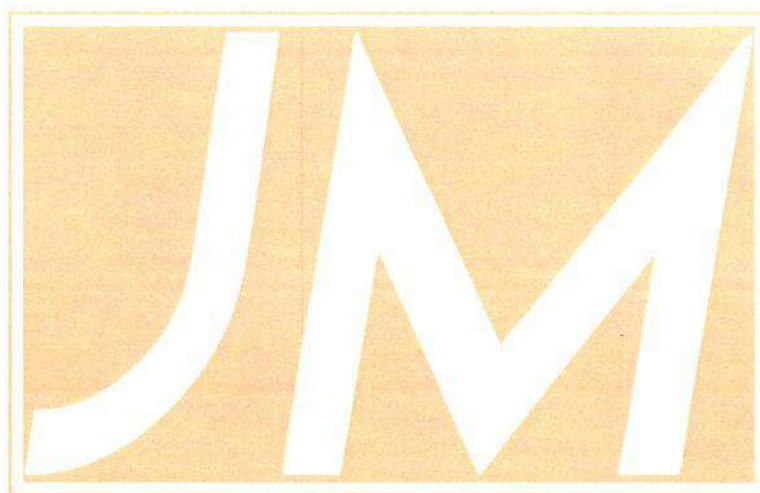
## TEST REPORT

Sample Number: **JME/JKCW/A/10**

Report No.: **JME/A/251110012**

S. No.	Test Parameter	Test Method	Result	Unit	NAAQS
8.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182, (Part-6)	6.4	µg/m <sup>3</sup>	80 (24 hourly)
9.	Ozone	IS: 5182, (Part-9)	17.8	µg/m <sup>3</sup>	180 (1 hourly)
10.	PM <sub>10</sub>	IS:5182, (Part-23)	68.0	µg/m <sup>3</sup>	100 (24 hourly)
11.	PM <sub>2.5</sub>	IS:5182, (Part-24)	33.9	µg/m <sup>3</sup>	60 (24 hourly)
12.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182, (Part-2) Sec 1	5.7	µg/m <sup>3</sup>	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/05** Report No.: **JME/A/260209029**  
 Name & Address of Unit: **Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, 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: **13/02/2026**  
 Analysis Completion Date: **13/02/2026**  
 Analysis Start Date: **09/02/2026**  
 Receipt Date: **09/02/2026**

Sample Description: **AMBIENT AIR QUALITY MONITORING**

### General Information

Client Representative (Name & Designation)

**Mr. Chandrakant Tiwari (Sr. Manager)**

Sample collected by

**JMELPL Team**

Sampling Location

**Near Water Pump House, Ahirpura Block**

Latitude

**24.64634722**

Longitude

**74.68200000**

Instrument used

**RDS, FPS & BS**

Instrument code

**JME/RDS/02/01, JME/FPS/01/12 & JME/BS/01/05**

Instrument Calibration Status

**Calibrated**

Scope of Monitoring

**Regulatory Requirement**

Meteorological condition during monitoring

**Cloudy Sky**

Date of Monitoring

**06/02/2026 to 07/02/2026**

Time of Monitoring

**09:24 to 09:27 Hrs.**

Actual duration of Monitoring, (minutes)

**1406.0**

Ambient Temperature (°C)

**Max 26°C, Min 12°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)	21.5	µg/m <sup>3</sup>	400
2.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m <sup>3</sup>	6
3.	Benzene	IS:5182, (Part-11)	BDL (DL 1.0)	µg/m <sup>3</sup>	5
4.	Benzo (a) Pyrene	IS:5182, (Part-12)	BDL (DL 0.5)	ng/m <sup>3</sup>	1
5.	Carbon Monoxide	IS: 5182, (Part-10)	0.58	mg/m <sup>3</sup>	4
6.	Lead	IS: 5182, (Part-22)	BDL (DL 0.02)	µg/m <sup>3</sup>	1
7.	Nickel	IS: 5182, (Part-26)	BDL (DL 1.0)	ng/m <sup>3</sup>	20

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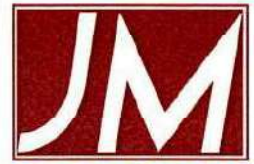


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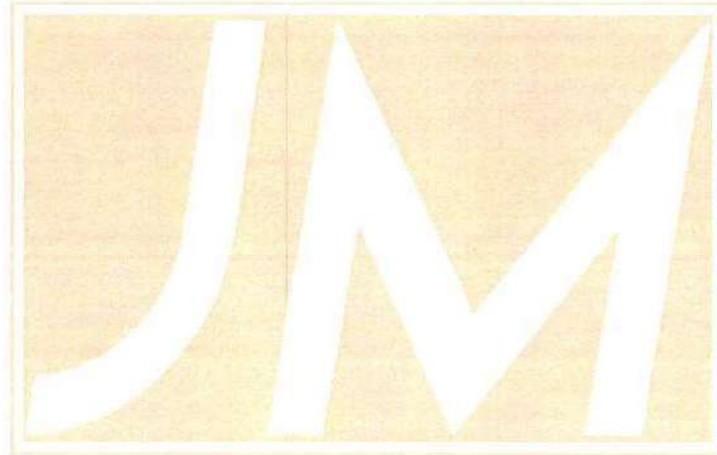
## TEST REPORT

Sample Number: **JME/JKCW/A/05**

Report No.: **JME/A/260209029**

S. No.	Test Parameters	Test Method	Result	Unit	NAAQS
8.	Nitrogen Dioxide	IS: 5182, (Part-6)	16.4	µg/m <sup>3</sup>	80
9.	Ozone	IS: 5182, (Part-9)	19.2	µg/m <sup>3</sup>	180
10.	PM <sub>10</sub>	IS:5182, (Part-23)	75.2	µg/m <sup>3</sup>	100
11.	PM <sub>2.5</sub>	IS:5182, (Part-24)	38.1	µg/m <sup>3</sup>	60
12.	Sulphur Dioxide	IS: 5182, (Part-2) sec 1	5.8	µg/m <sup>3</sup>	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/06** Report No.: **JME/A/260209030**  
 Name & Address of Unit: **Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, 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: **13/02/2026**  
 Analysis Completion Date: **13/02/2026**  
 Analysis Start Date: **09/02/2026**  
 Receipt Date: **09/02/2026**

Sample Description: **AMBIENT AIR QUALITY MONITORING**

### General Information

Client Representative (Name & Designation)

**Mr. Chandrakant Tiwari (Sr. Manager)**

Sample collected by

**JMELPL Team**

Sampling Location

**Near Mine Office, Ahirpura Block**

Latitude

**24.64634722**

Longitude

**74.68200000**

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

**06/02/2026 to 07/02/2026**

Time of Monitoring

**10:09 to 10:14 Hrs.**

Actual duration of Monitoring, (minutes)

**1419.0**

Ambient Temperature (°C)

**Max 26°C, Min 12°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)	17.4	µg/m <sup>3</sup>	400
2.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m <sup>3</sup>	6
3.	Benzene	IS:5182, (Part-11)	BDL (DL 1.0)	µg/m <sup>3</sup>	5
4.	Benzo (a) Pyrene	IS:5182, (Part-12)	BDL (DL 0.5)	ng/m <sup>3</sup>	1
5.	Carbon Monoxide	IS: 5182, (Part-10)	0.55	mg/m <sup>3</sup>	4
6.	Lead	IS: 5182, (Part-22)	BDL (DL 0.02)	µg/m <sup>3</sup>	1
7.	Nickel	IS: 5182, (Part-26)	BDL (DL 1.0)	ng/m <sup>3</sup>	20

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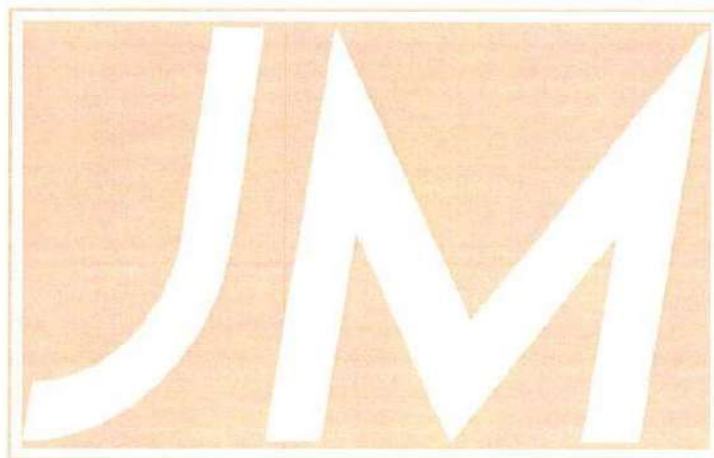
## TEST REPORT

Sample Number: **JME/JKCWA/06**

Report No.: **JME/A/260209030**

S. No.	Test Parameters	Test Method	Result	Unit	NAAQS
8.	Nitrogen Dioxide	IS: 5182, (Part-6)	18.1	µg/m <sup>3</sup>	80
9.	Ozone	IS: 5182, (Part-9)	20.6	µg/m <sup>3</sup>	180
10.	PM <sub>10</sub>	IS:5182, (Part-23)	71.7	µg/m <sup>3</sup>	100
11.	PM <sub>2.5</sub>	IS:5182, (Part-24)	35.0	µg/m <sup>3</sup>	60
12.	Sulphur Dioxide	IS: 5182, (Part-2) sec 1	8.8	µg/m <sup>3</sup>	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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\*\*End of Report\*\*



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## TEST REPORT

Sample Number: **JME/JKCW/A/07** Report No.: **JME/A/260209031**  
 Name & Address of Unit: **Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, 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: **13/02/2026**  
 Analysis Completion Date: **13/02/2026**  
 Analysis Start Date: **09/02/2026**  
 Receipt Date: **09/02/2026**

Sample Description: **AMBIENT AIR QUALITY MONITORING**

### General Information

Client Representative (Name & Designation)

**Mr. Chandrakant Tiwari (Sr. Manager)**

Sample collected by

**JMELPL Team**

Sampling Location

**Near Ravana Office, Murlia Block**

Latitude

**24.68255556**

Longitude

**74.65071389**

Instrument used

**RDS, FPS & BS**

Instrument code

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

Instrument Calibration Status

**Calibrated**

Scope of Monitoring

**Regulatory Requirement**

Meteorological condition during monitoring

**Cloudy Sky**

Date of Monitoring

**06/02/2026 to 07/02/2026**

Time of Monitoring

**10:50 to 10:52 Hrs.**

Actual duration of Monitoring, (minutes)

**1390.0**

Ambient Temperature (°C)

**Max 26°C, Min 12°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)	20.4	µg/m <sup>3</sup>	400
2.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m <sup>3</sup>	6
3.	Benzene	IS:5182, (Part-11)	BDL (DL 1.0)	µg/m <sup>3</sup>	5
4.	Benzo (a) Pyrene	IS:5182, (Part-12)	BDL (DL 0.5)	ng/m <sup>3</sup>	1
5.	Carbon Monoxide	IS: 5182, (Part-10)	BDL (DL 0.5)	mg/m <sup>3</sup>	4
6.	Lead	IS: 5182, (Part-22)	BDL (DL 0.02)	µg/m <sup>3</sup>	1
7.	Nickel	IS: 5182, (Part-26)	1.09	ng/m <sup>3</sup>	20

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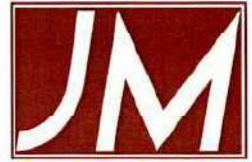


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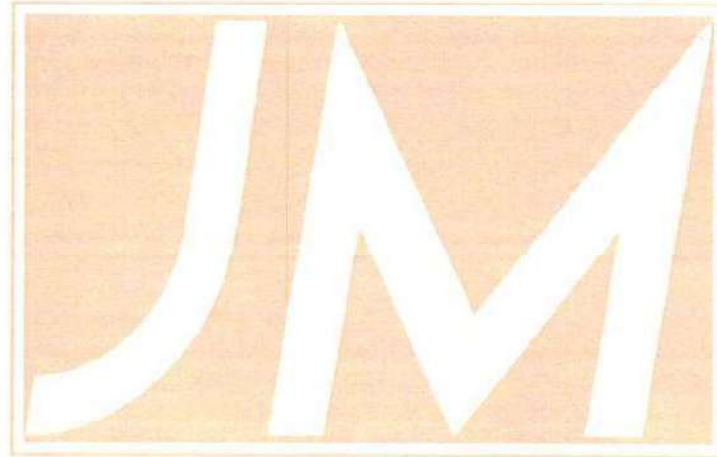
## TEST REPORT

Sample Number: **JME/JKCW/A/07**

Report No.: **JME/A/260209031**

S. No.	Test Parameters	Test Method	Result	Unit	NAAQS
8.	Nitrogen Dioxide	IS: 5182, (Part-6)	14.6	µg/m <sup>3</sup>	80
9.	Ozone	IS: 5182, (Part-9)	16.0	µg/m <sup>3</sup>	180
10.	PM <sub>10</sub>	IS:5182, (Part-23)	68.2	µg/m <sup>3</sup>	100
11.	PM <sub>2.5</sub>	IS:5182, (Part-24)	30.9	µg/m <sup>3</sup>	60
12.	Sulphur Dioxide	IS: 5182, (Part-2) sec 1	7.2	µg/m <sup>3</sup>	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



Page 2 of 2

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\*\*End of Report\*\*



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## TEST REPORT

Sample Number: **JME/JKCW/A/08** Report No.: **JME/A/260209032**  
 Name & Address of Unit: **Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, 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: **13/02/2026**  
 Analysis Completion Date: **13/02/2026**  
 Analysis Start Date: **09/02/2026**  
 Receipt Date: **09/02/2026**

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  
 Actual duration of Monitoring, (minutes)  
 Ambient Temperature (°C)  
 Surrounding activity  
 Control measure if Any  
 Sampling Protocol  
 Parameter Required

**Mr. Chandrakant Tiwari (Sr. Manager)**  
**JMELPL Team**  
**Murlia Village**  
**24.67426944**  
**74.64866111**  
**RDS, FPS & BS**  
**JME/RDS/02/02, JME/FPS/01/13 & JME/BS/01/03**  
**Calibrated**  
**Regulatory Requirement**  
**Cloudy Sky**  
**06/02/2026 to 07/02/2026**  
**13:40 to 13:40 Hrs.**  
**1386.0**  
**Max 26°C, Min 12°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)	22.3	µg/m <sup>3</sup>	400
2.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m <sup>3</sup>	6
3.	Benzene	IS:5182, (Part-11)	BDL (DL 1.0)	µg/m <sup>3</sup>	5
4.	Benzo (a) Pyrene	IS:5182, (Part-12)	BDL (DL 0.5)	ng/m <sup>3</sup>	1
5.	Carbon Monoxide	IS: 5182, (Part-10)	0.59	mg/m <sup>3</sup>	4
6.	Lead	IS: 5182, (Part-22)	BDL (DL 0.02)	µg/m <sup>3</sup>	1
7.	Nickel	IS: 5182, (Part-26)	BDL (DL 1.0)	ng/m <sup>3</sup>	20

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## TEST REPORT

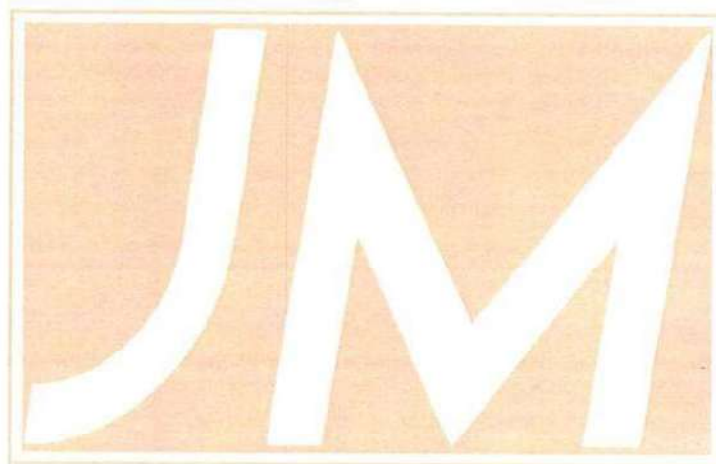
Sample Number: **JME/JKCW/A/08**

Report No.: **JME/A/260209032**

S. No.	Test Parameters	Test Method	Result	Unit	NAAQS
8.	Nitrogen Dioxide	IS: 5182, (Part-6)	19.4	µg/m <sup>3</sup>	80
9.	Ozone	IS: 5182, (Part-9)	20.8	µg/m <sup>3</sup>	180
10.	PM <sub>10</sub>	IS:5182, (Part-23)	69.6	µg/m <sup>3</sup>	100
11.	PM <sub>2.5</sub>	IS:5182, (Part-24)	27.4	µg/m <sup>3</sup>	60
12.	Sulphur Dioxide	IS: 5182, (Part-2) sec 1	9.6	µg/m <sup>3</sup>	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/09** Report No.: **JME/A/260209033**  
 Name & Address of Unit: **Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, 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: **13/02/2026**  
 Analysis Completion Date: **13/02/2026**  
 Analysis Start Date: **09/02/2026**  
 Receipt Date: **09/02/2026**

Sample Description: **AMBIENT AIR QUALITY MONITORING**

### General Information

Client Representative (Name & Designation)	<b>Mr. Chandrakant Tiwari (Sr. Manager)</b>
Sample collected by	<b>JMELPL Team</b>
Sampling Location	<b>Ahirpura Village</b>
Latitude	<b>24.65806111</b>
Longitude	<b>74.68079444</b>
Instrument used	<b>RDS, FPS &amp; BS</b>
Instrument code	<b>JME/RDS/01/42, JME/FPS/01/25 &amp; JME/BS/01/04</b>
Instrument Calibration Status	<b>Calibrated</b>
Scope of Monitoring	<b>Regulatory Requirement</b>
Meteorological condition during monitoring	<b>Cloudy Sky</b>
Date of Monitoring	<b>06/02/2026 to 07/02/2026</b>
Time of Monitoring	<b>14:06 to 14:10 Hrs.</b>
Actual duration of Monitoring, (minutes)	<b>1402.0</b>
Ambient Temperature (°C)	<b>Max 26°C, Min 12°C</b>
Surrounding activity	<b>Vehicular Activities &amp; Mine Operations</b>
Control measure if Any	<b>--</b>
Sampling Protocol	<b>JMELPL/STOP/04</b>
Parameter Required	<b>As per work order</b>

### TEST RESULTS

S. No.	Test Parameters	Test Method	Result	Unit	NAAQS
1.	Ammonia	IS: 5182, (Part-25)	25.8	µg/m <sup>3</sup>	400
2.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m <sup>3</sup>	6
3.	Benzene	IS:5182, (Part-11)	BDL (DL 1.0)	µg/m <sup>3</sup>	5
4.	Benzo (a) Pyrene	IS:5182, (Part-12)	BDL (DL 0.5)	ng/m <sup>3</sup>	1
5.	Carbon Monoxide	IS: 5182, (Part-10)	0.56	mg/m <sup>3</sup>	4
6.	Lead	IS: 5182, (Part-22)	BDL (DL 0.02)	µg/m <sup>3</sup>	1
7.	Nickel	IS: 5182, (Part-26)	BDL (DL 1.0)	ng/m <sup>3</sup>	20

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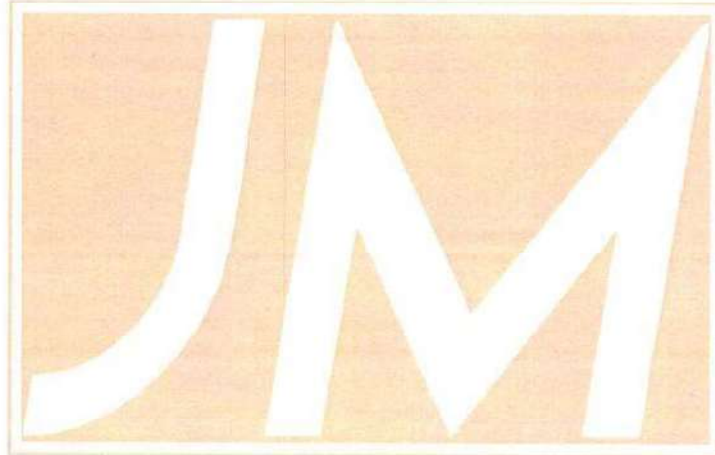
## TEST REPORT

Sample Number: **JME/JKCW/A/09**

Report No.: **JME/A/260209033**

S. No.	Test Parameters	Test Method	Result	Unit	NAAQS
8.	Nitrogen Dioxide	IS: 5182, (Part-6)	17.6	µg/m <sup>3</sup>	80
9.	Ozone	IS: 5182, (Part-9)	18.4	µg/m <sup>3</sup>	180
10.	PM <sub>10</sub>	IS:5182, (Part-23)	66.3	µg/m <sup>3</sup>	100
11.	PM <sub>2.5</sub>	IS:5182, (Part-24)	32.3	µg/m <sup>3</sup>	60
12.	Sulphur Dioxide	IS: 5182, (Part-2) sec 1	6.9	µg/m <sup>3</sup>	80

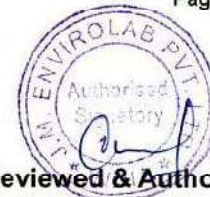
Note: NAAQS-National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)] [Part-II sec.-3(i)] 18.11.2009.  
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\*\*End of Report\*\*



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## TEST REPORT

Sample Number: **JME/JKCW/A/10** Report No.: **JME/A/260209034**  
 Name & Address of Unit: **Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, 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: **13/02/2026**  
 Analysis Completion Date: **13/02/2026**  
 Analysis Start Date: **09/02/2026**  
 Receipt Date: **09/02/2026**

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

Actual 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, Murlia Block**

**24.67926667**

**74.65271111**

**RDS, FPS & BS**

**JME/RDS/02/03, JME/FPS/01/14 & JME/BS/01/07**

**Calibrated**

**Regulatory Requirement**

**Cloudy Sky**

**06/02/2026 to 07/02/2026**

**15:02 to 15:06 Hrs.**

**1416.0**

**Max 26°C, Min 12°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)	21.8	µg/m <sup>3</sup>	400
2.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m <sup>3</sup>	6
3.	Benzene	IS:5182, (Part-11)	BDL (DL 1.0)	µg/m <sup>3</sup>	5
4.	Benzo (a) Pyrene	IS:5182, (Part-12)	BDL (DL 0.5)	ng/m <sup>3</sup>	1
5.	Carbon Monoxide	IS: 5182, (Part-10)	0.55	mg/m <sup>3</sup>	4
6.	Lead	IS: 5182, (Part-22)	BDL (DL 0.02)	µg/m <sup>3</sup>	1
7.	Nickel	IS: 5182, (Part-26)	BDL (DL 1.0)	ng/m <sup>3</sup>	20

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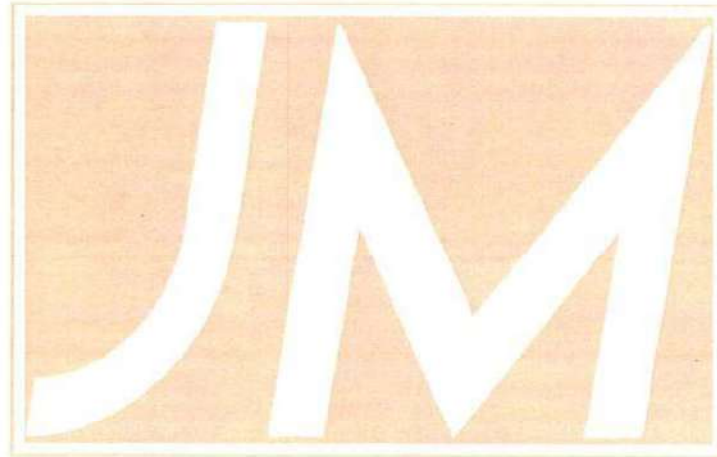
## TEST REPORT

Sample Number: **JME/JKCW/A/10**

Report No.: **JME/A/260209034**


S. No.	Test Parameters	Test Method	Result	Unit	NAAQS
8.	Nitrogen Dioxide	IS: 5182, (Part-6)	15.2	µg/m <sup>3</sup>	80
9.	Ozone	IS: 5182, (Part-9)	16.8	µg/m <sup>3</sup>	180
10.	PM <sub>10</sub>	IS:5182, (Part-23)	62.7	µg/m <sup>3</sup>	100
11.	PM <sub>2.5</sub>	IS:5182, (Part-24)	29.4	µg/m <sup>3</sup>	60
12.	Sulphur Dioxide	IS: 5182, (Part-2) sec 1	4.7	µg/m <sup>3</sup>	80

Note: NAAQS-National Ambient Air Quality Standards: Schedule-VII, [Rule 3 (3B)] [Part-II sec.-3(i)] 18.11.2009.  
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Page 2 of 2

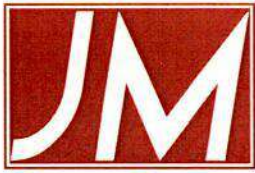
  
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## TEST REPORT

Name & Address of Unit:	Ahripura Limestone Mine, Mine Lease Area (MLA) – 02/97, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)	Report No.:	JME/AN/251110057-060
Sample Description:	AMBIENT NOISE LEVEL MONITORING	Reporting Date:	14/11/2025
Sample Collected by:	JMELPL TEAM	Receipt Date:	10/11/2025
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 water pump house, Ahripura Block	03/11/2025	46.2	64.4	60.4	40.1	63.8	49.8
Near Mine office, Ahripura Block	03/11/2025	45.3	66.2	59.2	39.6	62.7	50.7
Near Mine office, Murlia Block	04/11/2025	47.5	68.3	61.7	41.5	64.9	48.2
Near Ravana office Murlia Block	04/11/2025	45.9	67.6	62.1	38.3	50.4	46.9

### 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

Checked by

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**Reg. Office & Lab.**

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Phase-IV, Gurugram-122015 (Haryana)  
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**Corporate Office**

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

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## TEST REPORT

Name & Address of Unit:	<b>Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)</b>	Report No.:	<b>JME/AN/260209001-004</b>
Sample Description:	<b>AMBIENT NOISE LEVEL MONITORING</b>	Reporting Date:	<b>12/02/2026</b>
Sample Collected by:	<b>JMELPL TEAM</b>	Receipt Date:	<b>09/02/2026</b>
Client Representative:	<b>Mr. Chandrakant Tiwari (Sr. Manager)</b>	Equipment Used:	<b>Sound Level Meter</b>
		Duration of Monitoring:	<b>24 Hours</b>
		Sampling & Testing Protocol:	<b>IS-9989</b>

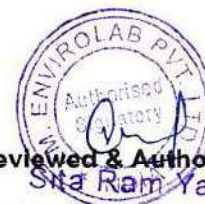
### TEST RESULTS

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 Water Pump House, Ahirpura Block	06/02/2026 to 07/02/2026	45.8	68.8	60.8	42.7	62.9	51.6
Near Mine Office, Ahirpura Block	06/02/2026 to 07/02/2026	44.9	65.6	58.6	40.5	59.1	46.2
Near Mine Office, Muria Block	06/02/2026 to 07/02/2026	42.1	67.4	61.1	39.4	63.6	47.6
Near Ravana Office Muria Block	06/02/2026 to 07/02/2026	45.5	69.0	57.2	39.9	60.8	43.8

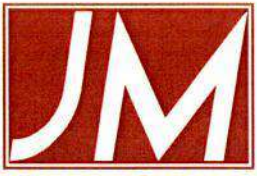
### CPCB NOISE STANDARDS

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

1. Day Time is from 06.00 AM to 10.00 PM.  
2. Night Time is reckoned between 10.00 PM to 06.00 AM  
3. 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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Deepak Singh YadavReviewed & Authorized by  
Smt. Ram Yadav**Note:**

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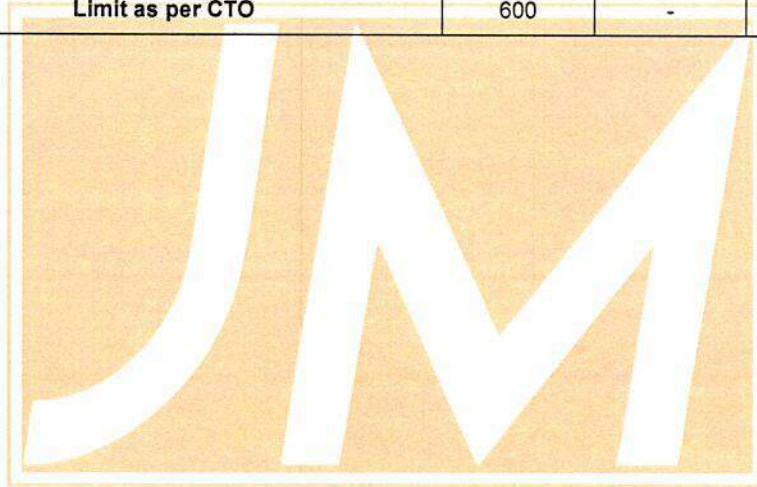
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## TEST REPORT

Name & Address of Unit:	<b>Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)</b>	Report No.:	<b>JME/FD/251110001</b>
Sample Description:	<b>FUGITIVE EMISSION</b>	Reporting Date:	<b>14/11/2025</b>
Sample Collected by:	<b>JMELPL TEAM</b>	Analysis Completion Date:	<b>14/11/2025</b>
Client Representative:	<b>Mr. Chandrakant Tiwari (Sr. Manager)</b>	Analysis Start Date:	<b>10/11/2025</b>
		Receipt Date:	<b>10/11/2025</b>
		Duration of Sampling:	<b>4 hours</b>
		Equipment Used:	<b>HVS</b>
		Sampling Protocol:	<b>JMELPL/STOP/04</b>
		Test Method:	<b>JMELPL/STOP/03</b>

### TEST RESULTS

S. No.	Sampling Location	Date of Monitoring	SPM ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	CO (mg/m <sup>3</sup> )
1.	3-10-meter distance from drilling point of Murlia Block	03/11/2025	314.0	6.9	12.4	0.55
	Limit as per CTO		600	-	-	-



Page 1 of 1

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Naanok Singh Yadav

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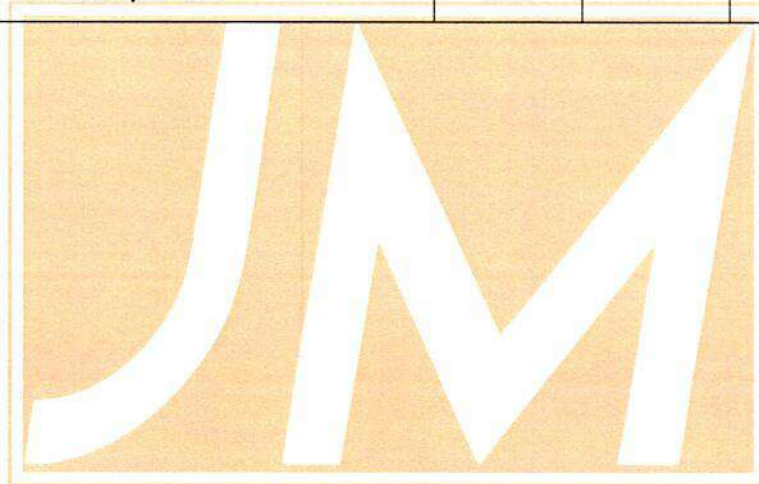
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## TEST REPORT

Name & Address of Unit:	<b>Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, M/s J.K. Cement Works Nimbaheera, Tehsil - Nimbaheera, District - Chittorgarh, State- Rajasthan (INDIA)</b>	Report No.:	<b>JME/FD/251110002</b>
Sample Description:	<b>FUGITIVE EMISSION</b>	Reporting Date:	<b>14/11/2025</b>
Sample Collected by:	<b>JMELPL TEAM</b>	Analysis Completion Date:	<b>14/11/2025</b>
Client Representative:	<b>Mr. Chandrakant Tiwari (Sr. Manager)</b>	Analysis Start Date:	<b>10/11/2025</b>
		Receipt Date:	<b>10/11/2025</b>
		Duration of Sampling:	<b>4 hours</b>
		Equipment Used:	<b>HVS</b>
		Sampling Protocol:	<b>JMELPL/STOP/04</b>
		Test Method:	<b>JMELPL/STOP/03</b>

### TEST RESULTS

S. No.	Sampling Location	Date of Monitoring	SPM ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	CO ( $\text{mg}/\text{m}^3$ )
1.	Near Loading point of Murlia Block	03/11/2025	318.0	5.9	16.0	0.52
Limit as per CTO			600	-	-	-



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Deenak Singh Yadav



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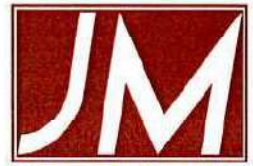
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## TEST REPORT

Name & Address of Unit:	<b>Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)</b>	Report No.:	<b>JME/FD/260209013</b>
Sample Description:	<b>FUGITIVE DUST EMISSION</b>	Reporting Date:	<b>12/02/2026</b>
Sample Collected by:	<b>JMELPL TEAM</b>	Analysis Completion Date:	<b>12/02/2026</b>
Client Representative:	<b>Mr. Chandrakant Tiwari (Sr. Manager)</b>	Analysis Start Date:	<b>09/02/2025</b>
		Receipt Date:	<b>09/02/2026</b>
		Duration of Sampling:	<b>4 hours</b>
		Equipment Used:	<b>HVS</b>
		Sampling & Testing Protocol:	<b>JME/STOP/03</b>

## TEST RESULTS

S. No.	Sampling Location	Date of Monitoring	SPM ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	CO (mg/m <sup>3</sup> )
1.	3-10-meter distance from drilling point of Murlia Block	06/02/2026	270.0	4.9	15.6	0.59
	<b>Limit as per CTO</b>		600	-	-	-

Page 1 of 1

  
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## TEST REPORT

Name & Address of Unit:	<b>Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)</b>	Report No.:	<b>JME/FD/260209014</b>
Sample Description:	<b>FUGITIVE DUST EMISSION</b>	Reporting Date:	<b>12/02/2026</b>
Sample Collected by:	<b>JMELPL TEAM</b>	Analysis Completion Date:	<b>12/02/2026</b>
Client Representative:	<b>Mr. Chandrakant Tiwari (Sr. Manager)</b>	Analysis Start Date:	<b>09/02/2026</b>
		Receipt Date:	<b>09/02/2026</b>
		Duration of Sampling:	<b>4 hours</b>
		Equipment Used:	<b>HVS</b>
		Sampling & Testing Protocol:	<b>JME/STOP/03</b>

## TEST RESULTS

S. No.	Sampling Location	Date of Monitoring	SPM ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	CO ( $\text{mg}/\text{m}^3$ )
1.	Near Loading point of Murtia Block	07/02/2026	362.0	8.4	19.6	0.55
Limit as per CTO			600	-	-	-



Page 1 of 1

  
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\*\*End of Report\*\*

Parameter Report	
JK Cement Works	
<b>Generated On :</b> 2026-05-11 11:35:34	<b>Generated By :</b> Environment Nimbahera
<b>Duration :</b> 2025-10-01T00:00:00+05:30 - 2026-03-31T23:59:00+05:30	<b>Sub Locations :</b> Telemetry BW_3 (Ahipura Mine)
<b>Parameters :</b> Water Level	

S.no	Time	Telemetry BW_3 (Ahipura Mine) Water Level (m)(avg)
1	2025-10-01T00:00:00+05:30	5.21
2	2025-11-01T00:00:00+05:30	5.09
3	2025-12-01T00:00:00+05:30	7.9
4	2026-01-01T00:00:00+05:30	11.23
5	2026-02-01T00:00:00+05:30	13.88
6	2026-03-01T00:00:00+05:30	16.08



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## TEST REPORT

Sample Number	JME/ANL/W/01	Report No	JME/W/251110217
Name & Address of Unit	Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, 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 (Near Crusher Tubewell 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	24.645397 N	Receipt Date	10/11/2025
Longitude	74.683818 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. 26°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)	7.71	-	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)	344.0	mg/l	200	600
7.	Calcium as Ca	IS:3025 (Part-40)	107.0	mg/l	75	200
8.	Alkalinity as CaCO3	IS:3025 (Part-23)	118.0	mg/l	200	600
9.	Chloride as Cl	IS:3025 (Part-32)	129.3	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)	18.7	mg/l	30	100
13.	Total Dissolved Solids	IS:3025 (Part-16)	648.0	mg/l	500	2000
14.	Sulphate as SO4	APHA 24th Edition, 4500-SO4- E	29.2	mg/l	200	400
15.	Fluoride as F	APHA 24th Edition, 4500-F- D	0.71	mg/l	1	1.5
16.	Nitrate Nitrogen as NO2	IS:3025 (Part-34) sec 1: Para 6.3, Cadmium reduction method	7.16	mg/l	45	No Relaxation
17.	Iron as Fe	IS:3025 (Part-53)	0.11	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	IS:3025 (Part-57)	BDL (DL 0.20)	mg/l	0.5	2.4

*Srishti*  
Checked by  
Srishti Mehta



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Rajkumar Yadav

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## TEST REPORT

Sample Number **JME/ANLW/01**

Report No **JME/W/251110217**

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 0.1)	mg/l	5	15
24.	Copper as Cu	IS:3025 (Part-42)	BDL (DL 0.08)	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 <sub>2</sub> S)	IS 3025 (Part 29)	BDL (DL 0.05)	mg/l	0.05	No Relaxation
32.	Ammonia (NH <sub>3</sub> -N)	APHA 24th Edition 4500-NH <sub>3</sub> F : 2023	BDL (DL 0.1)	mg/l	0.5	No Relaxation
33.	Chloramines as Cl <sub>2</sub>	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

Page 2 of 3

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## TEST REPORT

Sample Number	<b>JME/ANL/W/01</b>	Report No	<b>JME/W/251110217</b>
Name & Address of Unit	<b>Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)</b>	Format No.	<b>7.8 F-01</b>
		Party Reference No.	<b>Nil</b>
Sample Description	<b>Ground Water</b>	Reporting Date	<b>17/11/2025</b>
Sampling Location	<b>Portable &amp; Domestic water (Near Crusher Tubewell Ground water)</b>	Analysis Completion Date:	<b>17/11/2025</b>
Client Representative (Name & Designation)	<b>Mr. Chandrakant Tiwari (Sr. Manager)</b>	Analysis Start Date:	<b>10/11/2025</b>
Sample collected by	<b>JMEPL Team</b>	Receipt Date	<b>10/11/2025</b>
Latitude	<b>24.645397 N</b>	Sampling Date	<b>07/11/2025</b>
Longitude	<b>74.683818 E</b>	Sampling Type	<b>Grab</b>
Packing status:	<b>Temporary sealed</b>	Preservation	<b>Refrigerated</b>
Sampling Protocol	<b>JMELPL/STOP/04</b>	Environmental Condition during Sampling	<b>Ambient Temp. 26°C, Cloudy Sky</b>
		Sample Quantity	<b>250 ml</b>
		Parameter Required	<b>As per work order</b>

### 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 any 100 ml sample
2.	Total Coliform	IS 15185	Absent	per 100ml	Shall not be detectable in any 100 ml sample

Page 3 of 3

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Srishti Mehta

*Raj Kumar Yadav*  
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\*\*End of Report\*\*



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## TEST REPORT

Sample Number	<b>JME/ANLW/02</b>	Report No	<b>JME/W/251110218</b>
Name & Address of Unit	<b>Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh. State- Rajasthan (INDIA)</b>	Format No.	<b>7.8 F-01</b>
Sample Description	<b>Ground Water</b>	Party Reference No.	<b>Nil</b>
Sampling Location	<b>Portable &amp; Domestic water (Sharda's Tubewell Ground water)</b>	Reporting Date	<b>17/11/2025</b>
Client Representative (Name & Designation)	<b>Mr. Chandrakant Tiwari (Sr. Manager)</b>	Analysis Completion Date:	<b>17/11/2025</b>
Sample collected by	<b>JMEPL Team</b>	Analysis Start Date:	<b>10/11/2025</b>
Latitude	<b>24.651022 N</b>	Receipt Date	<b>10/11/2025</b>
Longitude	<b>74.673594 E</b>	Sampling Date	<b>07/11/2025</b>
Packing status:	<b>Temporary sealed</b>	Sampling Type	<b>Grab</b>
Sampling Protocol	<b>JMELPL/STOP/04</b>	Preservation	<b>Refrigerated</b>
		Environmental Condition during Sampling	<b>Ambient Temp. 26°C, Cloudy Sky</b>
		Sample Quantity	<b>5.0 Litre</b>
		Parameter Required	<b>As per work order</b>

### TEST RESULTS

S. No.	Parameters	Testing Protocol	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)	7.42	-	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 <sub>3</sub>	IS:3025 (Part-21)	356.0	mg/l	200	600
7.	Calcium as Ca	IS:3025 (Part-40)	119.0	mg/l	75	200
8.	Alkalinity as CaCO <sub>3</sub>	IS:3025 (Part-23)	106.0	mg/l	200	600
9.	Chloride as Cl	IS:3025 (Part-32)	144.0	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)	14.4	mg/l	30	100
13.	Total Dissolved Solids	IS:3025 (Part-16)	752.0	mg/l	500	2000
14.	Sulphate as SO <sub>4</sub>	APHA 24th Edition, 4500-SO4- E	32.5	mg/l	200	400
15.	Fluoride as F	APHA 24th Edition, 4500-F- D	0.65	mg/l	1	1.5
16.	Nitrate Nitrogen as NO <sub>2</sub>	IS:3025 (Part-34) sec 1: Para 6.3, Cadmium reduction method	5.91	mg/l	45	No Relaxation
17.	Iron as Fe	IS:3025 (Part-53)	0.16	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	IS:3025 (Part-57)	BDL (DL 0.20)	mg/l	0.5	2.4

Page 1 of 2

*Srishti*  
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**Srishti Mehta**

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**Rajkumar Yadav**

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# J. M. ENVIROLAB PVT. LTD.

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## TEST REPORT

Sample Number **JME/ANLW/02**

Report No **JME/W/251110218**

S. No.	Parameters	Testing Protocol	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 0.1)	mg/l	5	15
24.	Copper as Cu	IS:3025 (Part-42)	BDL (DL 0.08)	mg/l	0.05	1.5
25.	Manganese as Mn	IS:3025 (Part-59)	BDL (DL 0.01)	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 <sub>2</sub> S)	IS 3025 (Part 29)	BDL (DL 0.05)	mg/l	0.05	No Relaxation
32.	Ammonia (NH <sub>3</sub> -N)	APHA 24th Edition 4500-NH <sub>3</sub> F : 2023	BDL (DL 0.1)	mg/l	0.5	No Relaxation
33.	Chloramines as Cl <sub>2</sub>	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

Page 2 of 3

*Srishti*  
Checked by  
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*Rajkumar Yadav*



**Note:**

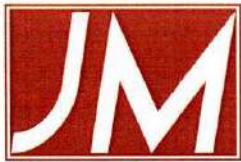
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## TEST REPORT

Sample Number	JME/ANLW/02	Report No	JME/W/251110218
Name & Address of Unit	Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, 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 (Sharda's Tubewell 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	24.651022 N	Receipt Date	10/11/2025
Longitude	74.673594 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. 26°C, Cloudy Sky
		Sample Quantity	250ml
		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 any 100 ml sample
2.	Total Coliform	IS 15185	Absent	per 100ml	Shall not be detectable in any 100 ml sample

Page 3 of 3

*Srishti*  
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Srishti Mehta

*Rajkumar Yadav*  
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\*\*End of Report\*\*



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## TEST REPORT

Sample Number	JME/ANL/W/03	Report No	JME/W/251110219
Name & Address of Unit	Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, 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 Hut 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	24.685293 N	Receipt Date	10/11/2025
Longitude	74.651466 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	Testing Protocol	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)	7.77	-	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 <sub>3</sub>	IS:3025 (Part-21)	276.0	mg/l	200	600
7.	Calcium as Ca	IS:3025 (Part-40)	77.4	mg/l	75	200
8.	Alkalinity as CaCO <sub>3</sub>	IS:3025 (Part-23)	129.0	mg/l	200	600
9.	Chloride as Cl	IS:3025 (Part-32)	135.4	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)	20.1	mg/l	30	100
13.	Total Dissolved Solids	IS:3025 (Part-16)	610.0	mg/l	500	2000
14.	Sulphate as SO <sub>4</sub>	APHA 24th Edition, 4500-SO4- E	24.9	mg/l	200	400
15.	Fluoride as F	APHA 24th Edition, 4500-F- D	0.81	mg/l	1	1.5
16.	Nitrate Nitrogen as NO <sub>2</sub>	IS:3025 (Part-34) sec 1: Para 6.3, Cadmium reduction method	9.26	mg/l	45	No Relaxation
17.	Iron as Fe	IS:3025 (Part-53)	0.15	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	IS:3025 (Part-57)	BDL (DL 0.20)	mg/l		2.4



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## TEST REPORT

Sample Number **JME/ANLW/03**

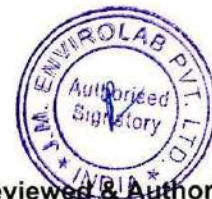
Report No **JME/W/251110219**

S. No.	Parameters	Testing Protocol	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 0.1)	mg/l	5	15
24.	Copper as Cu	IS:3025 (Part-42)	BDL (DL 0.08)	mg/l	0.05	1.5
25.	Manganese as Mn	IS:3025 (Part-59)	BDL (DL 0.01)	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 <sub>2</sub> S)	IS 3025 (Part 29)	BDL (DL 0.05)	mg/l	0.05	No Relaxation
32.	Ammonia (NH <sub>3</sub> -N)	APHA 24th Edition 4500-NH <sub>3</sub> F : 2023	BDL (DL 0.1)	mg/l	0.5	No Relaxation
33.	Chloramines as Cl <sub>2</sub>	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

Page 2 of 3

*Srishti*  
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**Note:**

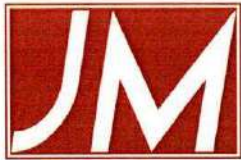
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## TEST REPORT

Sample Number	JME/ANL/W/03	Report No	JME/W/251110219
Name & Address of Unit	Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, 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 Hut 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	24.685293 N	Receipt Date	10/11/2025
Longitude	74.651466 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	250ml
		Parameter Required	As per work order

### TEST RESULTS

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

Page 3 of 3

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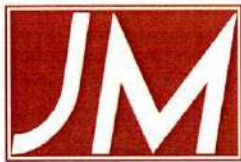
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\*\*End of Report\*\*



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## TEST REPORT

Sample Number	JME/ANLW/04	Report No	JME/W/251110220
Name & Address of Unit	Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, 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 (Near Mangrol Chourhaya Tubewell 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	24.6951 N	Receipt Date	10/11/2025
Longitude	74.6483 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. 25°C, Cloudy Sky
		Sample Quantity	5.0 Litre
		Parameter Required	As per work order

### TEST RESULTS

S. No.	Parameters	Testing Protocol	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)	7.32	-	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 <sub>3</sub>	IS:3025 (Part-21)	414.0	mg/l	200	600
7.	Calcium as Ca	IS:3025 (Part-40)	125.2	mg/l	75	200
8.	Alkalinity as CaCO <sub>3</sub>	IS:3025 (Part-23)	141.0	mg/l	200	600
9.	Chloride as Cl	IS:3025 (Part-32)	147.8	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)	24.6	mg/l	30	100
13.	Total Dissolved Solids	IS:3025 (Part-16)	802.0	mg/l	500	2000
14.	Sulphate as SO <sub>4</sub>	APHA 24th Edition, 4500-SO4- E	28.0	mg/l	200	400
15.	Fluoride as F	APHA 24th Edition, 4500-F- D	0.82	mg/l	1	1.5
16.	Nitrate Nitrogen as NO <sub>2</sub>	IS:3025 (Part-34) sec 1: Para 6.3, Cadmium reduction method	10.4	mg/l	45	No Relaxation
17.	Iron as Fe	IS:3025 (Part-53)	0.12	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	IS:3025 (Part-57)	BDL (DL 0.20)	mg/l	0.5	2.4

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## TEST REPORT

Sample Number **JME/ANL/W/04**

Report No **JME/W/251110220**

S. No.	Parameters	Testing Protocol	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 0.1)	mg/l	5	15
24.	Copper as Cu	IS:3025 (Part-42)	BDL (DL 0.08)	mg/l	0.05	1.5
25.	Manganese as Mn	IS:3025 (Part-59)	BDL (DL 0.01)	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 <sub>2</sub> S)	IS 3025 (Part 29)	BDL (DL 0.05)	mg/l	0.05	No Relaxation
32.	Ammonia (NH <sub>3</sub> -N)	APHA 24th Edition 4500-NH <sub>3</sub> F : 2023	BDL (DL 0.1)	mg/l	0.5	No Relaxation
33.	Chloramines as Cl <sub>2</sub>	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

Page 2 of 3

Checked by  
Sangeeta Mehta

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Rajkumar Yadav

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## TEST REPORT

Sample Number	JME/ANLW/04	Report No	JME/W/251110220
Name & Address of Unit	Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, 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 (Near Mangrol Chourhaya Tubewell 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	24.6951 N	Receipt Date	10/11/2025
Longitude	74.6483 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. 25°C, Cloudy Sky
		Sample Quantity	250ml
		Parameter Required	As per work order

### TEST RESULTS

S. No.	Parameters	Testing protocol	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

*Srishti*  
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Srishti Mehta



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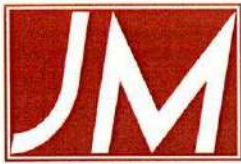
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\*\*End of Report\*\*



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## TEST REPORT

Sample Number:	<b>JME/ANL/SW/01</b>	Report No.:	<b>JME/SW/251110039</b>
Name & Address of Unit:	<b>Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)</b>	Format No.:	<b>7.8 F-01</b>
		Party Reference:	<b>Nil</b>
		Reporting Date:	<b>17/11/2025</b>
		Analysis Completion Date:	<b>17/11/2025</b>
Sample Description:	<b>Surface Water</b>	Analysis Start Date:	<b>10/11/2025</b>
Sample Location:	<b>Portable &amp; Domestic water- Ahirpura Block (Pit-water Surface Water)</b>	Receipt Date:	<b>10/11/2025</b>
Client Representative (Name & Designation):	<b>Mr. Chandrakant Tiwari (Sr. Manager)</b>	Sampling Date:	<b>07/11/2025</b>
Sample collected by	<b>JMEPL Team</b>	Sampling Type	<b>Grab</b>
Latitude :	<b>24.646383 N</b>	Preservation	<b>Refrigerated</b>
Longitude :	<b>74.682455 E</b>	Environmental Condition during Sampling	<b>Ambient Temp. 28°C; Cloudy Sky</b>
Sampling Protocol:	<b>JMELPL/STOP/04</b>	Sample Quantity	<b>Approx. 5.0 Litre</b>
		Parameter Required	<b>As per work order</b>

### TEST RESULTS

S. No.	Parameters	Test Method	Result	Unit
1.	pH (at 25 °C)	IS:3025 (Part-11)	7.45	-
2.	Colour	IS:3025 (Part 4)	BDL (DL 1.0)	Hazen Unit
3.	Odour	IS:3025 (Part-5)	Agreeable	-
4.	Conductivity	IS:3025 (Part-14)	770.0	µS/cm
5.	Turbidity	IS:3025 (Part-10)	BDL (DL 1.0)	NTU
6.	Total Hardness as CaCO <sub>3</sub>	IS:3025 (Part-21)	276.0	mg/l
7.	Calcium as Ca	IS:3025 (Part-40)	92.0	mg/l
8.	Magnesium as Mg	IS:3025 (Part-46)	11.3	mg/l
9.	Chloride as Cl	IS:3025 (Part-32)	89.0	mg/l
10.	Total Alkalinity as CaCO <sub>3</sub>	IS:3025 (Part-23)	104.0	mg/l
11.	Residual Chlorine	IS:3025 (Part-26)	BDL (DL 0.2)	mg/l
12.	Cyanide	IS:3025 (Part-27)	BDL (DL 0.02)	mg/l
13.	Dissolved Oxygen	IS:3025 (Part-38)	6.6	mg/l
14.	Chemical Oxygen Demand (COD)	IS:3025 (Part-58)	BDL (DL 1.0)	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)	498.0	mg/l
17.	Total Suspended Solid	IS:3025 (Part-17)	BDL (DL 1.0)	mg/l
18.	Sodium as Na	IS:3025 (Part-45)	24.0	mg/l
19.	Potassium as K	IS:3025 (Part-45)	7.0	mg/l
20.	Sulphate as SO <sub>4</sub>	APHA 24th Edition, 4500-SO4- E	19.2	mg/l
21.	Fluoride as F	APHA 24th Edition, 4500-F- D	0.61	mg/l
22.	Nitrogen Nitrate as NO <sub>3</sub> -N	IS:3025 (Part-34)	2.92	mg/l
23.	Iron as Fe	IS:3025 (Part-53)	0.09	mg/l

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## TEST REPORT

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

Report No.: **JME/SW/251110039**

S. No.	Parameters	Test Method	Result	Unit
24.	Phosphate as Po <sub>4</sub>	IS:3025 (Part-31)	0.04	mg/l
25.	Phenols	APHA 24th Edition 5540-Phenols-D, Direct Photometric	BDL (DL 0.001)	mg/l
26.	Hexa Chromium as Cr <sub>6+</sub>	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

Page 2 of 2

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## TEST REPORT

Sample Number:	<b>JME/ANL/SW/02</b>	Report No.:	<b>JME/SW/251110040</b>
Name & Address of Unit:	<b>Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)</b>	Format No.:	<b>7.8 F-01</b>
		Party Reference:	<b>Nil</b>
		Reporting Date:	<b>17/11/2025</b>
		Analysis Completion Date:	<b>17/11/2025</b>
Sample Description:	<b>Surface Water</b>	Analysis Start Date:	<b>10/11/2025</b>
Sample Location:	<b>Portable &amp; Domestic water - - Murliya Block (Pit-water Surface Water)</b>	Receipt Date:	<b>10/11/2025</b>
Client Representative (Name & Designation):	<b>Mr. Chandrakant Tiwari (Sr. Manager)</b>	Sampling Date:	<b>07/11/2025</b>
Sample collected by	<b>JMEPL Team</b>	Sampling Type	<b>Grab</b>
Latitude :	<b>24.681303 N</b>	Preservation	<b>Refrigerated</b>
Longitude :	<b>74.651553 E</b>	Environmental Condition during Sampling	<b>Ambient Temp. 28°C; Cloudy Sky</b>
Sampling Protocol:	<b>JMELPL/STOP/04</b>	Sample Quantity	<b>Approx. 5.0 Litre</b>
		Parameter Required	<b>As per work order</b>

### TEST RESULTS

S. No.	Parameters	Testing Protocol	Result	Unit
1.	pH (at 25 °C)	IS:3025 (Part-11)	7.69	-
2.	Colour	IS:3025 (Part 4)	BDL (DL 1.0)	Hazen Unit
3.	Odour	IS:3025 (Part-5)	Agreeable	-
4.	Conductivity	IS:3025 (Part-14)	680.0	µS/cm
5.	Turbidity	IS:3025 (Part-10)	BDL (DL 1.0)	NTU
6.	Total Hardness as CaCO <sub>3</sub>	IS:3025 (Part-21)	238.0	mg/l
7.	Calcium as Ca	IS:3025 (Part-40)	56.3	mg/l
8.	Magnesium as Mg	IS:3025 (Part-46)	23.7	mg/l
9.	Chloride as Cl	IS:3025 (Part-32)	80.2	mg/l
10.	Total Alkalinity as CaCO <sub>3</sub>	IS:3025 (Part-23)	94.0	mg/l
11.	Residual Chlorine	IS:3025 (Part-26)	BDL (DL 0.2)	mg/l
12.	Cyanide	IS:3025 (Part-27)	BDL (DL 0.02)	mg/l
13.	Dissolved Oxygen	IS:3025 (Part-38)	6.9	mg/l
14.	Chemical Oxygen Demand (COD)	IS:3025 (Part-58)	BDL (DL 1.0)	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)	435.0	mg/l
17.	Total Suspended Solid	IS:3025 (Part-17)	BDL (DL 1.0)	mg/l
18.	Sodium as Na	IS:3025 (Part-45)	14.0	mg/l
19.	Potassium as K	IS:3025 (Part-45)	2.0	mg/l
20.	Sulphate as SO <sub>4</sub>	APHA 24th Edition, 4500-SO4- E	18.4	mg/l
21.	Fluoride as F	APHA 24th Edition, 4500-F- D	0.56	mg/l
22.	Nitrogen Nitrate as NO <sub>3</sub> -N	IS:3025 (Part-34)	4.77	mg/l
23.	Iron as Fe	IS:3025 (Part-53)	0.15	mg/l

Page 1 of 2

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Raj Kumar Yadav

#### Note:

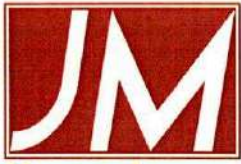
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## TEST REPORT

Sample Number: **JME/ANL/SW/02**

Report No.: **JME/SW/251110040**

S. No.	Parameters	Testing Protocol	Result	Unit
24.	Phosphate as Po <sub>4</sub>	IS:3025 (Part-31)	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 Cr <sub>6+</sub>	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 0.0005)	mg/l
37.	Manganese as Mn	IS:3025 (Part-59)	BDL (DL 0.01)	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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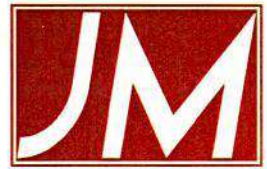
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## TEST REPORT

Sample Number	<b>JME/ANL/W/01</b>	Report No	<b>JME/W/260113217</b>
Name & Address of Unit	<b>Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)</b>	Format No.	<b>7.8 F-01</b>
		Party Reference No.	<b>Nil</b>
		Reporting Date	<b>17/01/2026</b>
		Analysis Completion Date:	<b>17/01/2026</b>
Sample Description	<b>Ground Water</b>	Analysis Start Date:	<b>13/01/2026</b>
Sampling Location	<b>Portable &amp; Domestic water (Near Crusher Tubewell Ground water)</b>	Receipt Date	<b>13/01/2026</b>
Client Representative (Name & Designation)	<b>Mr. Chandrakant Tiwari (Sr. Manager)</b>	Sampling Date	<b>12/01/2026</b>
Sample collected by	<b>JMELPL Team</b>	Sampling Type	<b>Grab</b>
Latitude	<b>24.645397 N</b>	Preservation	<b>Refrigerated</b>
Longitude	<b>74.683818 E</b>	Environmental Condition during Sampling	<b>Ambient Temp. 18.5°C, Cloudy Sky</b>
Packing status:	<b>Temporary sealed</b>	Sample Quantity	<b>Approx. 5.0 Litre</b>
Sampling Protocol	<b>JMELPL/STOP/04</b>	Parameter Required	<b>As per work order</b>

### 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)	7.48	-	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 <sub>3</sub>	IS:3025 (Part-21)	371.0	mg/l	200	600
7.	Calcium as Ca	IS:3025 (Part-40)	112.0	mg/l	75	200
8.	Total Alkalinity as CaCO <sub>3</sub>	IS:3025 (Part-23)	155.0	mg/l	200	600
9.	Chloride as Cl	IS:3025 (Part-32)	132.0	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)	22.25	mg/l	30	100
13.	Total Dissolved Solid	IS:3025 (Part-16)	664.0	mg/l	500	2000
14.	Sulphate as SO <sub>4</sub>	APHA 24th Edition, 4500-SO4- E	32.9	mg/l	200	400
15.	Fluoride as F	APHA 24th Edition, 4500-F- D	0.75	mg/l	1	1.5
16.	Nitrate Nitrogen (as NO <sub>3</sub> )	IS:3025 (Part-34) sec 1: Para 6.3, Cadmium reduction method	4.97	mg/l	45	No Relaxation
17.	Iron	IS:3025 (Part-53)	0.13	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*  
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/ANL/W/01

Report No JME/W/260113217

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  
Raikumar Yadav

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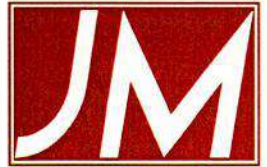
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## TEST REPORT

Sample Number	JME/ANLW/01	Report No	JME/W/260113217
Name & Address of Unit	Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, 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 (Near Crusher Tubewell 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	24.645397 N	Preservation	Refrigerated
Longitude	74.683818 E	Environmental Condition during Sampling	Ambient Temp. 26°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 any 100 ml sample
2.	Total Coliform	IS 15185	Absent	per 100ml	Shall not be detectable in any 100 ml sample

Page 3 of 3

Checked by  
Vineet Kumar

Reviewed & Authorized by  
Abhijit Pathak

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\*\*End of Report\*\*



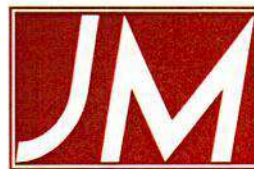
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## TEST REPORT

Sample Number	JME/ANLW/02	Report No	JME/W/260113218
Name & Address of Unit	Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorwarh. State- Rajasthan (INDIA)	Format No.	7.8 F-01
Sample Description	Ground Water	Party Reference No.	Nil
Sampling Location	Portable & Domestic water (Sharda's Tubewell 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	24.651022 N	Receipt Date	13/01/2026
Longitude	74.673594 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°C, Cloudy Sky
		Sample Quantity	Approx. 5.0 Litre
		Parameter Required	As per work order

### TEST RESULTS

S. No.	Test Method	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)	7.33	-	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 <sub>3</sub>	IS:3025 (Part-21)	371.0	mg/l	200	600
7.	Calcium as Ca	IS:3025 (Part-40)	123.0	mg/l	75	200
8.	Total Alkalinity as CaCO <sub>3</sub>	IS:3025 (Part-23)	118.0	mg/l	200	600
9.	Chloride as Cl	IS:3025 (Part-32)	146.1	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)	15.58	mg/l	30	100
13.	Total Dissolved Solid	IS:3025 (Part-16)	776.0	mg/l	500	2000
14.	Sulphate as SO <sub>4</sub>	APHA 24th Edition, 4500-SO4- E	33.8	mg/l	200	400
15.	Fluoride as F	APHA 24th Edition, 4500-F- D	0.68	mg/l	1	1.5
16.	Nitrate Nitrogen (as NO <sub>3</sub> )	IS:3025 (Part-34) sec 1: Para 6.3, Cadmium reduction method	5.63	mg/l	45	No Relaxation
17.	Iron	IS:3025 (Part-53)	0.19	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

Checked by  
Srishti Mehta

Reviewed & Authorized by  
Rajkumar Yadav

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## TEST REPORT

Sample Number

JME/ANLW/02

Report No

JME/W/260113218

S. No.	Test Method	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

Page 2 of 3

Srishti Mehta  
Checked by

Reviewed & Authorized by  
Rajkumar Yadav

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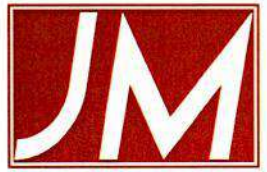
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## TEST REPORT

Sample Number	<b>JME/ANLW/02</b>	Report No	<b>JME/W/260113218</b>
Name & Address of Unit	<b>Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh. State- Rajasthan (INDIA)</b>	Format No.	<b>7.8 F-01</b>
Sample Description	<b>Ground Water</b>	Party Reference No.	<b>Nil</b>
Sampling Location	<b>Portable &amp; Domestic water (Sharda's Tubewell Ground water)</b>	Reporting Date	<b>17/01/2026</b>
Client Representative (Name & Designation)	<b>Mr. Chandrakant Tiwari (Sr. Manager)</b>	Analysis Completion Date:	<b>17/01/2026</b>
Sample collected by	<b>JMELPL Team</b>	Analysis Start Date:	<b>13/01/2026</b>
Latitude	<b>24.651022 N</b>	Receipt Date	<b>13/01/2026</b>
Longitude	<b>74.673594 E</b>	Sampling Date	<b>12/01/2026</b>
Packing status:	<b>Temporary sealed</b>	Sampling Type	<b>Grab</b>
Sampling Protocol	<b>JMELPL/STOP/04</b>	Preservation	<b>Refrigerated</b>
		Environmental Condition during Sampling	<b>Ambient Temp. 18°C, Cloudy Sky</b>
		Sample Quantity	<b>Approx. 250 ml</b>
		Parameter Required	<b>As per work order</b>

### TEST RESULTS

S. No.	Test Method	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 any 100 ml sample
2.	Total Coliform	IS 15185	Absent	per 100ml	Shall not be detectable in any 100 ml sample

Page 3 of 3

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Reviewed & Authorized by  
Abhijit Pathak



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\*\*End of Report\*\*



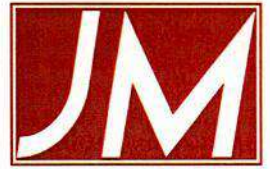
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## TEST REPORT

Sample Number	<b>JME/ANL/W/03</b>	Report No	<b>JME/W/260113219</b>
Name & Address of Unit	<b>Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittoraarh. State- Rajasthan (INDIA)</b>	Format No.	<b>7.8 F-01</b>
Sample Description	<b>Ground Water</b>	Party Reference No.	<b>Nil</b>
Sampling Location	<b>Portable &amp; Domestic water (Hand Pump-Near Hut Ground water)</b>	Reporting Date	<b>17/01/2026</b>
Client Representative (Name & Designation)	<b>Mr. Chandrakant Tiwari (Sr. Manager)</b>	Analysis Completion Date:	<b>17/01/2026</b>
Sample collected by	<b>JMELPL Team</b>	Analysis Start Date:	<b>13/01/2026</b>
Latitude	<b>24.685293 N</b>	Receipt Date	<b>13/01/2026</b>
Longitude	<b>74.651466 E</b>	Sampling Date	<b>12/01/2026</b>
Packing status:	<b>Temporary sealed</b>	Sampling Type	<b>Grab</b>
Sampling Protocol	<b>JMELPL/STOP/04</b>	Preservation	<b>Refrigerated</b>
		Environmental Condition during Sampling	<b>Ambient Temp. 19.5°C, Cloudy Sky</b>
		Sample Quantity	<b>Approx. 5.0 Litre</b>
		Parameter Required	<b>As per work order</b>

### 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)	7.62	-	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 <sub>3</sub>	IS:3025 (Part-21)	289.0	mg/l	200	600
7.	Calcium as Ca	IS:3025 (Part-40)	79.6	mg/l	75	200
8.	Total Alkalinity as CaCO <sub>3</sub>	IS:3025 (Part-23)	146.0	mg/l	200	600
9.	Chloride as Cl	IS:3025 (Part-32)	136.9	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)	21.97	mg/l	30	100
13.	Total Dissolved Solid	IS:3025 (Part-16)	628.0	mg/l	500	2000
14.	Sulphate as SO <sub>4</sub>	APHA 24th Edition, 4500-SO4- E	25.3	mg/l	200	400
15.	Fluoride as F	APHA 24th Edition, 4500-F- D	0.83	mg/l	1	1.5
16.	Nitrate Nitrogen (as NO <sub>3</sub> )	IS:3025 (Part-34) sec 1: Para 6.3, Cadmium reduction method	9.01	mg/l	45	No Relaxation
17.	Iron	IS:3025 (Part-53)	0.18	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 Mehta*  
Checked by

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*Rajkumar Yadav*  
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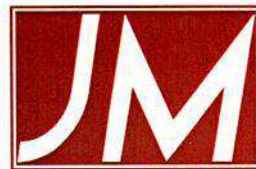
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## TEST REPORT

Sample Number

JME/ANL/W/03

Report No

JME/W/260113219

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

Page 2 of 3

Checked by  
*Smishla**Smishla*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/ANL/W/03	Report No	JME/W/260113219
Name & Address of Unit	Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorwarh. 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 Hut 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	24.685293 N	Receipt Date	13/01/2026
Longitude	74.651466 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. 19.5°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 any 100 ml sample
2.	Total Coliform	IS 15185	Absent	per 100ml	Shall not be detectable in any 100 ml sample

Page 3 of 3

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Vineet Kumar

Reviewed & Authorized by  
Abhijit Pathak

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\*\*End of Report\*\*



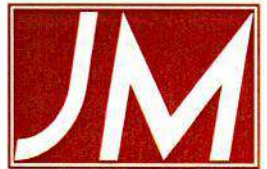
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## TEST REPORT

Sample Number	<b>JME/ANL/W/04</b>	Report No	<b>JME/W/260113220</b>
Name & Address of Unit	<b>Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, M/s J.K. Cement Works Nimbahera, Tehsil - Nimbahera, District - Chittorgarh, State- Rajasthan (INDIA)</b>	Format No.	<b>7.8 F-01</b>
Sample Description	<b>Ground Water</b>	Party Reference No.	<b>Nil</b>
Sampling Location	<b>Portable &amp; Domestic water (Near Mangrol Chourhaya Tubewell Ground water)</b>	Reporting Date	<b>17/01/2026</b>
Client Representative (Name & Designation)	<b>Mr. Chandrakant Tiwari (Sr. Manager)</b>	Analysis Completion Date:	<b>17/01/2026</b>
Sample collected by	<b>JMELPL Team</b>	Analysis Start Date:	<b>13/01/2026</b>
Latitude	<b>24.6951 N</b>	Receipt Date	<b>13/01/2026</b>
Longitude	<b>74.6483 E</b>	Sampling Date	<b>12/01/2026</b>
Packing status:	<b>Temporary sealed</b>	Sampling Type	<b>Grab</b>
Sampling Protocol	<b>JMELPL/STOP/04</b>	Preservation	<b>Refrigerated</b>
		Environmental Condition during Sampling	<b>Ambient Temp. 19°C, Cloudy Sky</b>
		Sample Quantity	<b>5.0 Litre</b>
		Parameter Required	<b>As per work order</b>

### 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)	7.20	-	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 <sub>3</sub>	IS:3025 (Part-21)	423.0	mg/l	200	600
7.	Calcium as Ca	IS:3025 (Part-40)	128.0	mg/l	75	200
8.	Total Alkalinity as CaCO <sub>3</sub>	IS:3025 (Part-23)	164.0	mg/l	200	600
9.	Chloride as Cl	IS:3025 (Part-32)	150.7	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)	25.18	mg/l	30	100
13.	Total Dissolved Solid	IS:3025 (Part-16)	816.0	mg/l	500	2000
14.	Sulphate as SO <sub>4</sub>	APHA 24th Edition, 4500-SO <sub>4</sub> - E	30.5	mg/l	200	400
15.	Fluoride as F	APHA 24th Edition, 4500-F- D	0.85	mg/l	1	1.5
16.	Nitrate Nitrogen (as NO <sub>3</sub> )	IS:3025 (Part-34) sec 1: Para 6.3, Cadmium reduction method	9.2	mg/l	45	No Relaxation
17.	Iron	IS:3025 (Part-53)	0.14	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



Reviewed &amp; Authorized by

Raikumar Yadav

*Srishti*  
Checked by  
Srishti Mehta

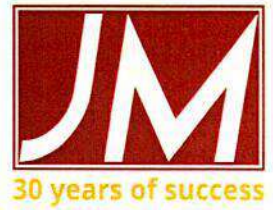
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## TEST REPORT

Sample Number **JME/ANL/W/04**Report No **JME/W/260113220**

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

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**Srishti Mehta**

Reviewed & Authorized by  
**Rajkumar Yadav**

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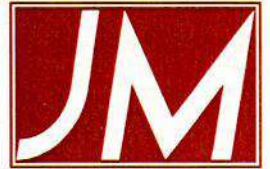
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## TEST REPORT

Sample Number	JME/ANL/W/04	Report No	JME/W/260113220
Name & Address of Unit	Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, 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 (Near Mangrol Chourhaya Tubewell 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	24.6951 N	Receipt Date	13/01/2026
Longitude	74.6483 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. 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	Specification as per IS 10500-2012
1.	<i>E. coli</i>	IS 15185	Absent	per 100ml	Shall not be detectable in any 100 ml sample
2.	Total Coliform	IS 15185	Absent	per 100ml	Shall not be detectable in any 100 ml sample

Page 3 of 3

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Vineet Kumar



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Abhijit Pathak

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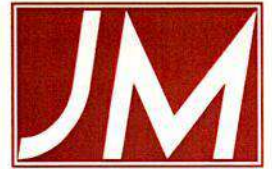
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CIN No. :U74220HR2011PTC085756



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## TEST REPORT

Sample Number:	JME/ANL/SW/01	Report No.:	JME/SW/260113039
Name & Address of Unit:	Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, M/s J.K. Cement Works Nimbaheera, Tehsil - Nimbaheera, District - Chittorgarh, State- Rajasthan (INDIA)	Format No.:	7.8 F-01
		Party Reference:	Nil
		Reporting Date:	17/01/2026
		Analysis Completion Date:	17/01/2026
Sample Description:	Surface Water	Analysis Start Date:	13/01/2026
Sample Location:	Portable & Domestic water- Ahirpura Block (Pit-water Surface 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 :	24.646383 N	Preservation	Refrigerated
Longitude :	74.682455 E	Environmental Condition during Sampling	Ambient Temp. 18.5°C; Cloudy Sky
Sampling Protocol:	JMELPL/STOP/04	Sample Quantity Parameter Required	Approx. 5.0 Litre As per work order

### TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit
1.	pH (at 25 °C)	IS:3025 (Part-11)	7.52	-
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	763.0	µS/cm
5.	Turbidity	IS:3025 (Part-10)	BDL (DL 1.0)	NTU
6.	Total Hardness as CaCO <sub>3</sub>	IS:3025 (Part-21)	269.0	mg/l
7.	Calcium as Ca	IS:3025 (Part-40)	90.4	mg/l
8.	Magnesium as Mg	IS:3025 (Part-46)	10.56	mg/l
9.	Chloride as Cl	IS:3025 (Part-32)	84.0	mg/l
10.	Total Alkalinity as CaCO <sub>3</sub>	IS:3025 (Part-23)	91.0	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)	6.9	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)	483.0	mg/l
17.	Total Suspended Solid	IS:3025 (Part-17)	BDL (DL 1.0)	mg/l
18.	Sodium	IS:3025 (Part-45)	22.0	mg/l
19.	Potassium	IS:3025 (Part-45)	6.0	mg/l
20.	Sulphate as SO <sub>4</sub>	APHA 24th Edition, 4500-SO <sub>4</sub> - E	18.7	mg/l
21.	Fluoride as F	APHA 24th Edition, 4500-F- D	0.58	mg/l
22.	Nitrogen Nitrate (as NO <sub>3</sub> )	IS:3025 (Part-34) sec 1: Para 6.3, Cadmium Reduction Method	2.6	mg/l
23.	Iron	IS:3025 (Part-53)	0.08	mg/l

Page 1 of 2

*Srishti*  
Checked by

Srishti Mehta



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Rajkumar Yadav

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## TEST REPORT

Sample Number: JME/ANL/SW/01

Report No.: JME/SW/260113039

S. No.	Test Parameter	Test Method	Result	Unit
24.	Phosphate	APHA 24th Edition, 4500-P-C/D	0.03	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

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\*\*End of Report\*\*



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## TEST REPORT

Sample Number:	JME/ANL/SW/02	Report No.:	JME/SW/260113040
Name & Address of Unit:	Ahirpura Limestone Mine, Mine Lease Area (MLA) – 02/97, 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
		Analysis Completion Date:	17/01/2026
Sample Description:	Surface Water	Analysis Start Date:	13/01/2026
Sample Location:	Portable & Domestic water - - Murliya Block (Pit-water Surface 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 :	24.681303 N	Preservation	Refrigerated
Longitude :	74.651553 E	Environmental Condition during Sampling	Ambient Temp. 18°C; Cloudy Sky
Sampling Protocol:	JMELPL/STOP/04	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)	7.47	-
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	671.0	µS/cm
5.	Turbidity	IS:3025 (Part-10)	BDL (DL 1.0)	NTU
6.	Total Hardness as CaCO <sub>3</sub>	IS:3025 (Part-21)	230.0	mg/l
7.	Calcium as Ca	IS:3025 (Part-40)	58.4	mg/l
8.	Magnesium as Mg	IS:3025 (Part-46)	20.48	mg/l
9.	Chloride as Cl	IS:3025 (Part-32)	77.6	mg/l
10.	Total Alkalinity as CaCO <sub>3</sub>	IS:3025 (Part-23)	102.0	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)	7.1	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)	441.0	mg/l
17.	Total Suspended Solid	IS:3025 (Part-17)	BDL (DL 1.0)	mg/l
18.	Sodium	IS:3025 (Part-45)	12.0	mg/l
19.	Potassium	IS:3025 (Part-45)	1.0	mg/l
20.	Sulphate as SO <sub>4</sub>	APHA 24th Edition, 4500-SO <sub>4</sub> - E	17.1	mg/l
21.	Fluoride as F	APHA 24th Edition, 4500-F- D	0.52	mg/l
22.	Nitrogen Nitrate (as NO <sub>3</sub> )	IS:3025 (Part-34) sec 1: Para 6.3, Cadmium Reduction Method	4.36	mg/l
23.	Iron	IS:3025 (Part-53)	0.12	mg/l

Page 1 of 2

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Srishti Mehta

*Raj Kumar*  
Reviewed & Authorized by  
Raj Kumar Yadav

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TC-6821

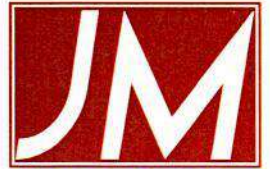
# J.M. ENVIROLAB PVT. LTD.

Recognized by CPCB under EP Act-1986, Certified by ISO-9001:2015, 14001:2015 &amp; 45001:2018

Reg. Office &amp; Lab. : 424, Ground Floor, Udyog Vihar Phase-IV, Gurugram, Haryana, India

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

CIN No. :U74220HR2011PTC085756



30 years of success

## TEST REPORT

Sample Number: JME/ANL/SW/02

Report No.: JME/SW/260113040

S. No.	Test Parameter	Test Method	Result	Unit
24.	Phosphate	APHA 24th Edition, 4500-P-C/D	BDL (DL 0.001)	mg/l
25.	Phenols	APHA 24th Edition 5540-Phenols-D, Direct Photometric	BDL (DL 0.03)	mg/l
26.	Hexa Chromium as Cr6+	IS:3025 (Part-52)	BDL (DL 0.2)	mg/l
27.	Boron as B	IS:3025 (Part-57)	BDL (DL 0.03)	mg/l
28.	Aluminium	IS:3025 (Part-55)	BDL (DL 0.02)	mg/l
29.	Anionic Surfactant	APHA 24th Edition, 5540 C	BDL (DL 0.002)	mg/l
30.	Arsenic	IS:3025 (Part-37)	BDL (DL 0.001)	mg/l
31.	Mercury	IS:3025 (Part-48)	BDL (DL 0.005)	mg/l
32.	Selenium	IS:3025 (Part-56)	BDL (DL 0.002)	mg/l
33.	Cadmium	IS:3025 (Part-41)	BDL (DL 0.008)	mg/l
34.	Lead	IS:3025 (Part-47)	BDL (DL 0.005)	mg/l
35.	Nickel	IS:3025 (Part-54)	BDL (DL 0.1)	mg/l
36.	Zinc	IS:3025 (Part-49)	BDL (DL 0.08)	mg/l
37.	Manganese	IS:3025 (Part-59)	BDL (DL 0.02)	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 2

Srishti  
Checked by  
Srishti Mehta

  
Reviewed & Authorized by  
Rajkumar 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.



**Government of Rajasthan, Forest Department**  
Deputy Conservator of Forest, Territorial, DCF CHITTORGARH

Certificate regarding distance of the applied area from the Wildlife Sanctuary/National Park/Tiger Reserve/Conservation/Forest Block Reserve for the purpose of Mining Permission

Request Id : <b>MIN-0099405</b>	Applied Date : <b>14/04/2026</b>
Name of applicant : <b>J K CEMENT NIMBAHERA</b>	Applied area : <b>403.00000</b>
Khasra Number: <b>Enclosed</b>	Village: <b>Baroli Ghata ,Karthana ,Aheerpura ,Phachar Aheeran ,Laxmipura ,Ma</b>
Tehsil : <b>Nimbahera</b>	District : <b>Chittorgarh</b>
Mining Lease Number : <b>Enclosed</b>	

S. No.	Item	Distance (in meters)/Details		
		Pillar Detail	Latitude	Longitude
1	Latitude and Longitude of the applied area.	1	24.68625	74.64500
		2	24.68735	74.65261
		3	24.68835	74.65636
		4	24.65908	74.68085
		5	24.63756	74.68409
		6	24.63621	74.67516
		7	24.65757	74.67200
		8	24.65436	74.65302
2	Name of National Park/Wildlife Sanctuary/Conservation Reserve and Minimum distance of applied area from the boundary of National Park/Wildlife Santuary/Conservation Reserve/Forest Block.	NA		
3	Name of Tiger Reserve and minimum distance of applied area from the boundary of Tiger Reserve(Buffer/CTH).	NA		
4	Whether applied area involves corridor (as per approved Tiger Conservation Plan	NA		
5	Whether ESZ of the National Park/Wildlife Sanctuary/Tiger Reserve has been notified of applied area from the ESZ OF Wildlife Sanctuary/National Park/Tiger Reserve	NA		
6	Remark, if any with respect to Govt. orders/circulars, ESZ, guidelines, Hon'ble Supreme Court/High Court/NGT orders etc.	NA		

Remark/Terms & Conditions(if any) : As per Site inspection report Submitted by the Range Forest officer, Nimbahera, the applied area is located 7.490 K.M. away from nearest Forest block Arnoda. Hence NOC is issued.

DY. CONSERVATOR OF FORESTS  
RAHUL JHAJHRIA

Note:- This is an E-Sign Document

Terms & Conditions:-

As per Site inspection report Submitted by the Range Forest officer, Nimbahera , the applied area is located 7.490 K.M. away from nearest Forest block Arnoda. Hence NOC is issued.

Signature Not Verified

Digitally signed by Rahul Jhahria  
Date: 2026.05.14 16:26:21 IST  
Reason: SelfAttested  
Location:



Water Reservoir Photographs



**Date/Time** Tran at 13:13:21 December 5, 2025  
**Trigger Source** Geo: 0.700 mm/s  
**Range** Geo: 31.75 mm/s  
**Record Time** 2.0 sec at 1024 sps  
**Job Number:** 1

**Serial Number** BE18244 V 10.72-1.1 Minimate Blaster  
**Battery Level** 6.0 Volts  
**Unit Calibration** July 12, 2025 by UES New Delhi  
**File Name** T244LCY1.290

**Notes**  
 Location: JK CEMENT LIME STONE MINES NIMBAHERA  
 Client: JK CEMENT WORKS  
 User Name: L.N. TAILOR  
 General: MURLIA BLOCK

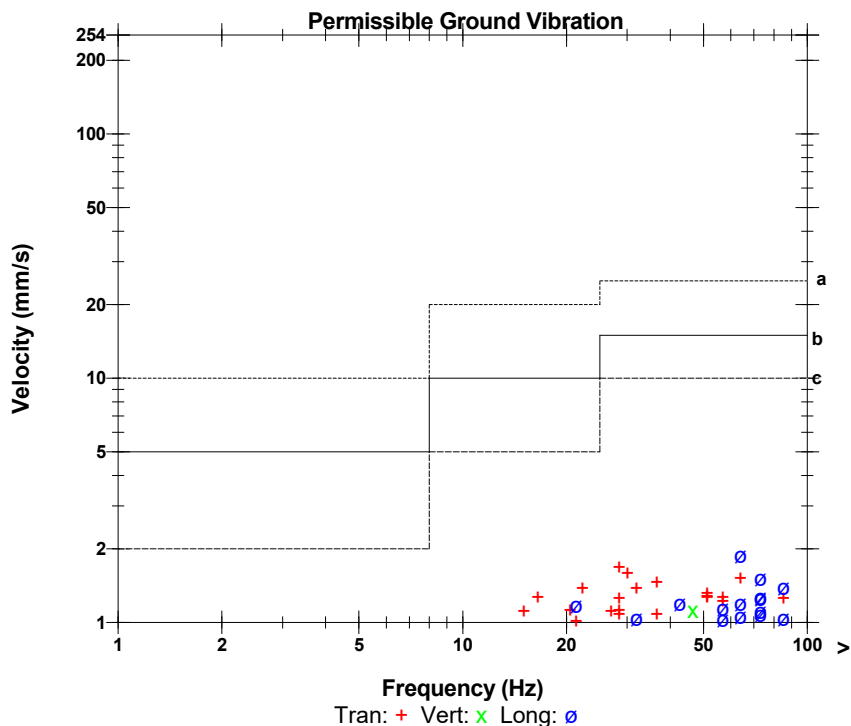
**Post Event Notes**  
 J K CEMENT LIME STONE MINES NIMBAHERA (MURLIA BLOCK)  
 IIBENCH SE S-PIT DIRECTION OF BLAST= E-W BID :2-7/25  
 NO. OF HOLES= 09 MAX.CHARGE/DELAY= 18.20KG.  
 DIST.FROM BLAST TO INSTRUMENT =236Mts East back side

**Microphone** Linear Weighting  
**PSPL** 109.9 dB(L) at 0.988 sec  
**ZC Freq** 13 Hz  
**Channel Test** Passed (Freq = 20.1 Hz Amp = 527 mv )

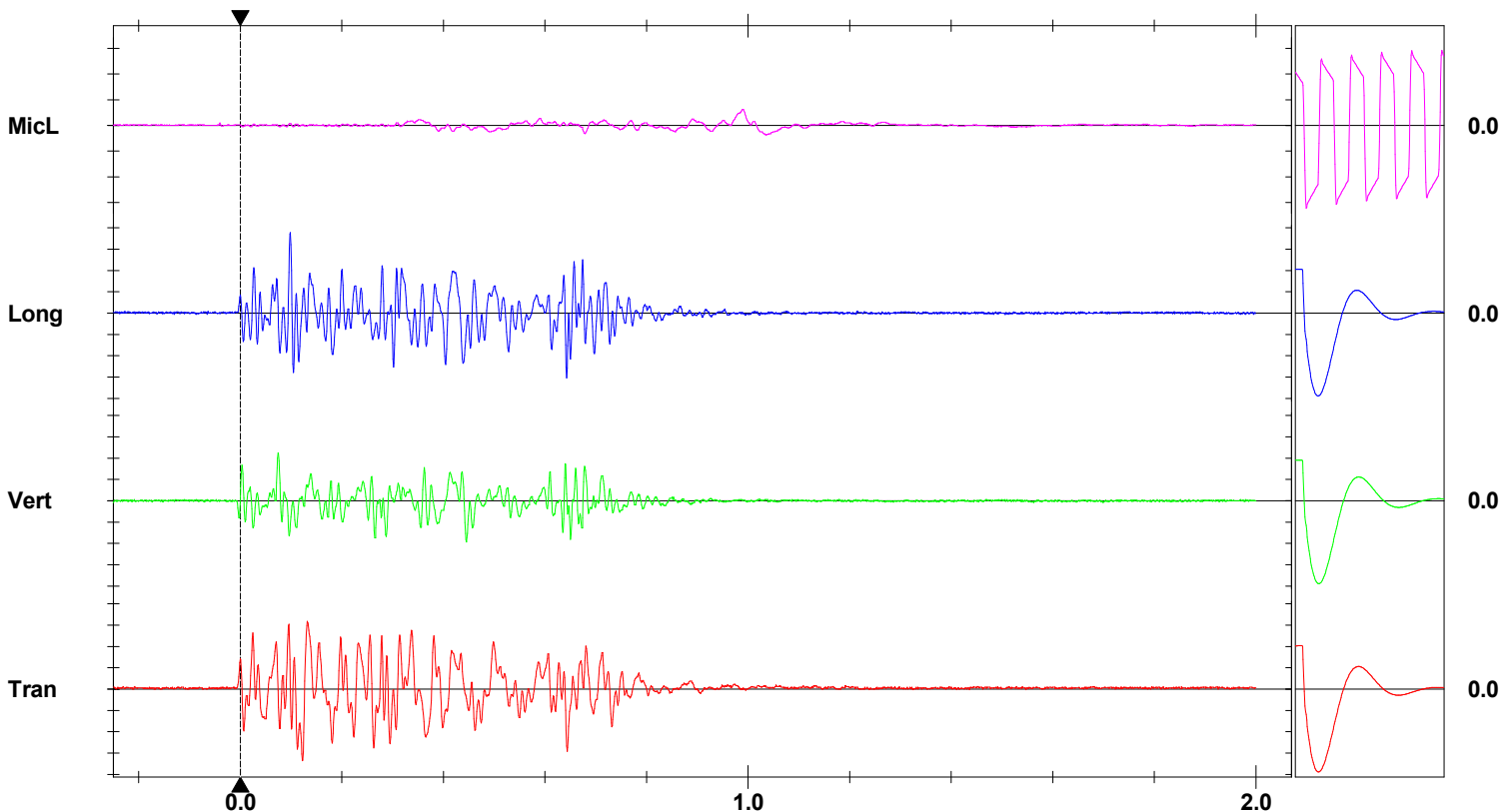
	Tran	Vert	Long	
PPV	1.683	1.127	1.889	mm/s
PPV	55.52	52.04	56.53	dB
ZC Freq	28	47	64	Hz
Time (Rel. to Trig)	0.122	0.074	0.099	sec
Peak Acceleration	0.073	0.051	0.083	g
Peak Displacement	0.010	0.005	0.008	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.6	7.6	7.8	Hz
Overswing Ratio	3.7	3.5	3.7	

**Peak Vector Sum** 2.137 mm/s at 0.097 sec

### DGMS India (A)



- a) Industrial Buildings
- b) Domestic houses/structures
- c) Historic objects, sensitive structures



Time Scale: 0.20 sec/div  
Trigger =

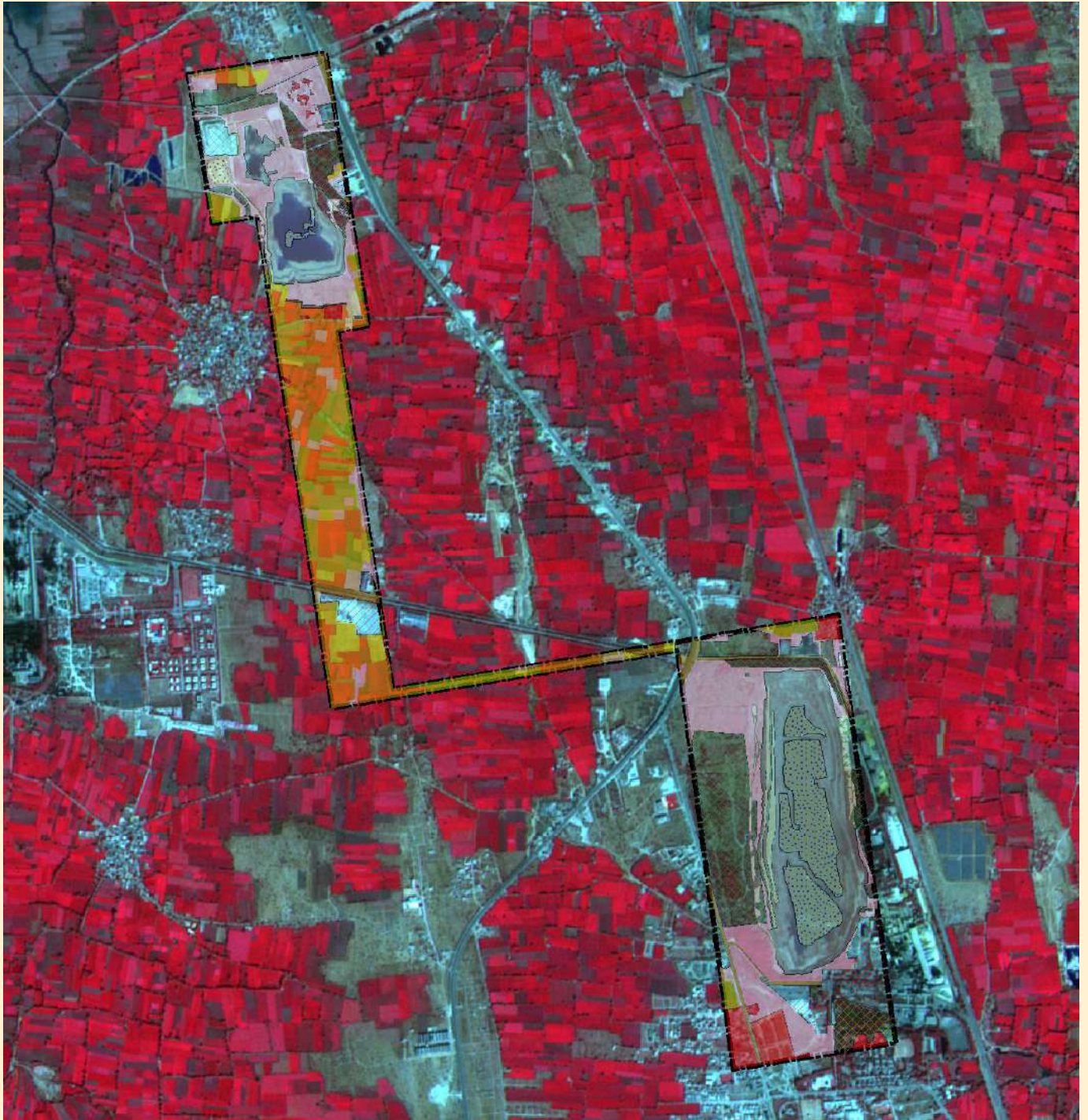
Amplitude Scale: Geo: 0.500 mm/s/div Mic: 10.000 pa.(L)/div

Sensor Check

**Water Reservoir Photographs**



**Land Use / Land Cover Analysis for mine and buffer zones  
of Nimbahera-Ahirpura 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

## **Table of Contents**

1. Introduction.....	2
2. Objectives.....	3
3. Study Area .....	3
Table : 1 Location and Extent.....	3
4. Data used .....	4
Table : 2 Data used .....	4
Figure : 1 Study area location map.....	4
5. General Description of the study area.....	5
5.1 Location and Extent.....	5
5.2 Physiography, Relief and Drainage.....	5
5.3 Climate .....	5
5.4 Geology .....	5
6. Land Use.....	8
7. Methodology.....	9
8. Classification system .....	11
Table : 3 Land Use / Land Cover Classification System.....	11
8.1 Built up land.....	12
8.2 Agricultural land.....	12
8.3 Forest Land.....	13
8.4 Wastelands.....	13
8.5 Water bodies.....	14
8.6 Others.....	14
Class Photographs & Satellite Images.....	15
Figure : 2 Base Map and Satellite Image of Study Area.....	18
9. Result (Statistics).....	20
9.1 Within Mine Lease Area (MLA) (Core Zone).....	20
Table : 4 Land Use/Land Cover Statistics – Core Area.....	20
Figure : 3 Land Use / Land Cover Map Core Zone.....	22
9.2 500m Buffer Zone .....	23
Table : 5 Land Use/Land Cover Statistics – 500m Buffer Zone.....	23
Figure : 4 Landuse /Landcover Map 500m Buffer Zone.....	25
9.3 5Km Buffer Zone .....	26
Table : 6 Land Use/Land Cover Statistics – 5Km Buffer Zone.....	26
Figure : 5 Landuse / Landcover Map – 5km Buffer Zone.....	28
9.4 10Km Buffer Zone .....	29
Table : 7 Land Use/Land Cover Statistics – 10Km Buffer Zone.....	29
Figure : 6 Landuse/Landcover Map – 10km Buffer Zone.....	31
Annexure : 1 Projection Parameters.....	32
Annexure : 2 Interpretation Key.....	33

## **1. Introduction**

Present study of mapping Land Use / Land Cover using remote sensing data for Land Use / Land Cover mapping Nimbahera-Ahirpura Limestone Mine of JK Cement Works (A Unit of JK Cement Ltd.) near Ahirpura and Murlia villages in Nimbahera tehsil of Chittorgarh district, Rajasthan is carried out on behalf of M/s J. K. Cement Limited. 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 Nimbahera-Ahirpura Limestone Mine lease area (MLA), 500m, 5Km and 10Km buffer around the mine lease has been mapped using the digital data dated 10<sup>th</sup> January 2025 from LISS IV sensor of Resource sat-2A satellite and 03<sup>rd</sup> October 2024 of Sentinel-2 satellite. For core area, very high resolution Panchromatic data from Cartosat-3 dated 18<sup>th</sup> May 2025 with 1.12m and Cartosat2 dated 13<sup>th</sup> 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° 38' 10.39" N	74° 38' 42.00" E	<b>403.1875</b>	45L/10
	24° 41' 14.50" N	74° 41' 02.73" E		
500m Buffer	24° 37' 54.2464" N	74° 38' 24.1522" E	<b>1386.86</b>	45L/10
	24° 41' 30.6527" N	74° 41' 20.5673" E		
5Km Buffer	24° 35' 28.2440" N	74° 35' 43.5406" E	<b>16349.03</b>	45L/10
	24° 43' 56.5507" N	74° 44' 00.9411" E		
10Km Buffer	24° 32' 45.9615" N	74° 32' 44.9613" E	<b>47430.44</b>	45L/9,45L/10 and 45L/14
	24° 46' 38.6010" N	74° 46' 59.0129" 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 Ahirpura and Murlia Villages. The tehsil headquarter Nimbahera is about 1.6 Km from the mine lease area. Nearest airport is Dabok in Udaipur which is 90Km from Nimbahera. Nearest seaport Kandla is about 618 Km from Nimbahera.

### **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 area varies from 450 m to 437 m. The central part of the mining lease area is mostly barren with exposures of limestone. In Murlia block, the deposit lies on a flat terrain that gradually slopes towards the North.

The area is drained by the Gambhiri river which flows about 5 Km northeast of Nimbahera. Besides, there are small Nalas which contain water during the monsoon. Murlia dam is situated in the northwest direction which is 1.5 Km from lease area. The area is part of Banas River Basin.

### **5.3 Climate**

Climate of the area is tropical and semi humid, 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 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. Water table in summer stands about 390 meters AMSL at depth of about 60 meters from the surface in pre monsoon and 40 meters (410 AMSL) from the surface in Post-Monsoon.

### **5.4 Geology**

The limestone formations are under Nimbahera limestone belt which is equivalent to the Semri series of lower Vindhya. 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 - Ahirpura Block**

Four types of limestone were identified in the Nimbahera-Ahirpura area which are as under:

- Medium grey limestone
- Grey limestone
- Light grey limestone
- Purple Shale

**5.4.2 Local Geology - Murlia Block**

- Dark grey limestone
- Medium grey limestone
- Pink limestone
- Light grey limestone
- Purple Shale

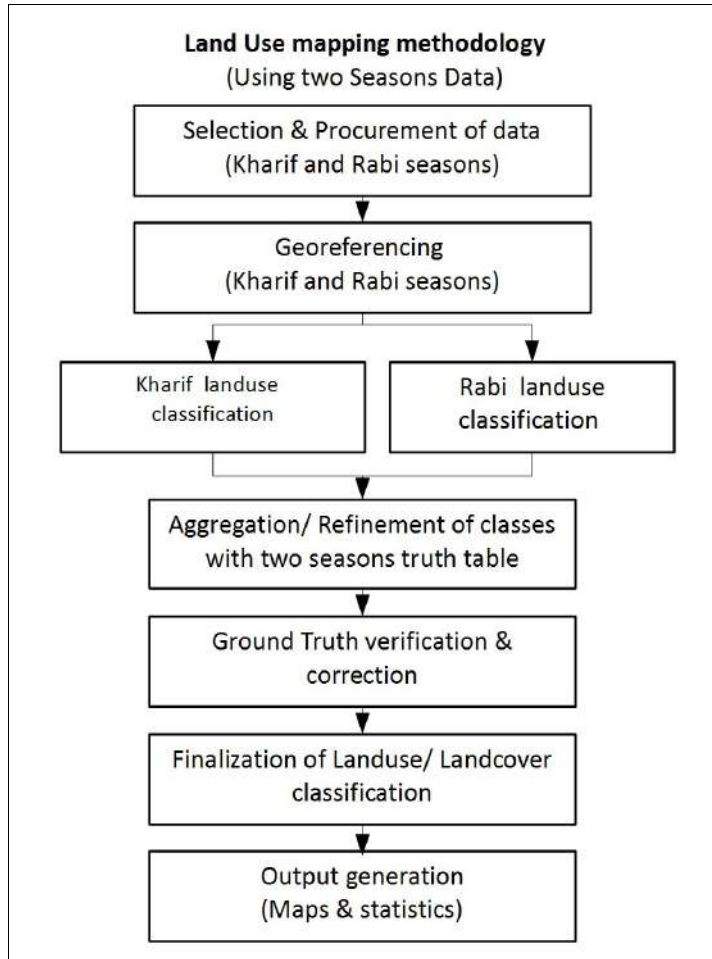
## **6. Land Use**

General topography of the study area is plain with scattered hills on east and west periphery. 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 limestone belt of Rajasthan because of this, 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.

Although only 2/3<sup>rd</sup> 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.

<b>Rabi</b>	<b>Kharif</b>	<b>Integrated class</b>
Crop	Crop	Double Crop
Crop	Fallow	Rabi
Fallow	Crop	Kharif
Fallow	Fallow	Fallow

### **Ground truth verifications**

A limited ground truth was conducted on 29<sup>th</sup> 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'.

### **Afforestation/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 surficial and sub surficial ) 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.

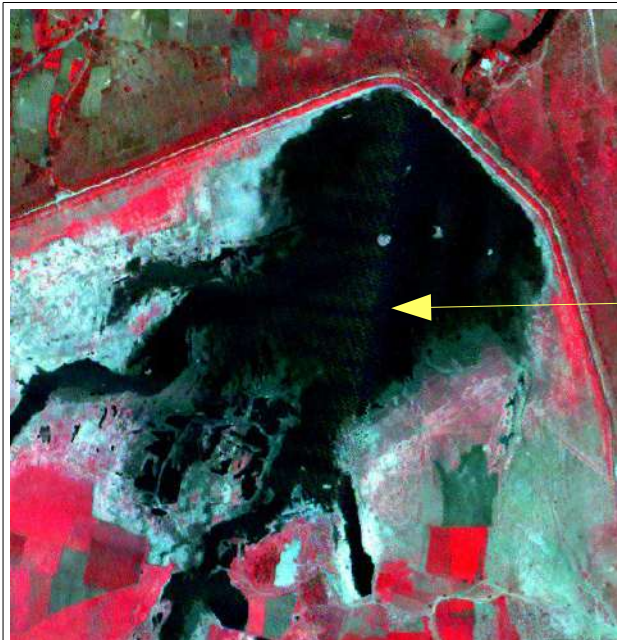
### **Back Filled Area**

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 (Murlia Block)



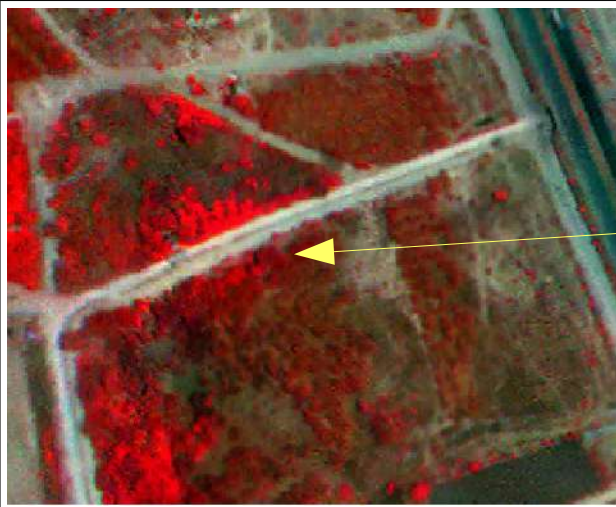
Murlia Reservoir (Buffer Area)



Mining Dump



Plantation

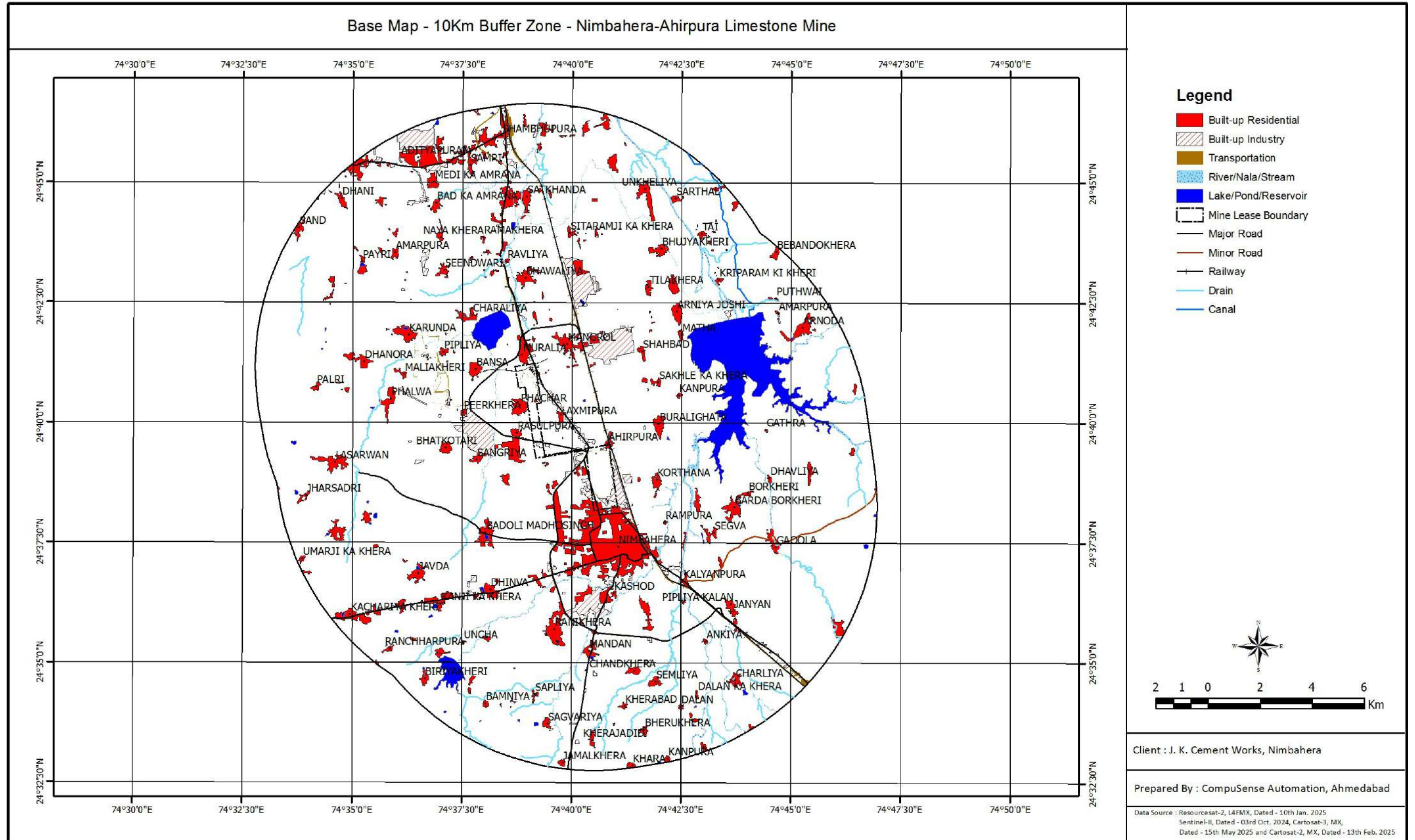


Plantation

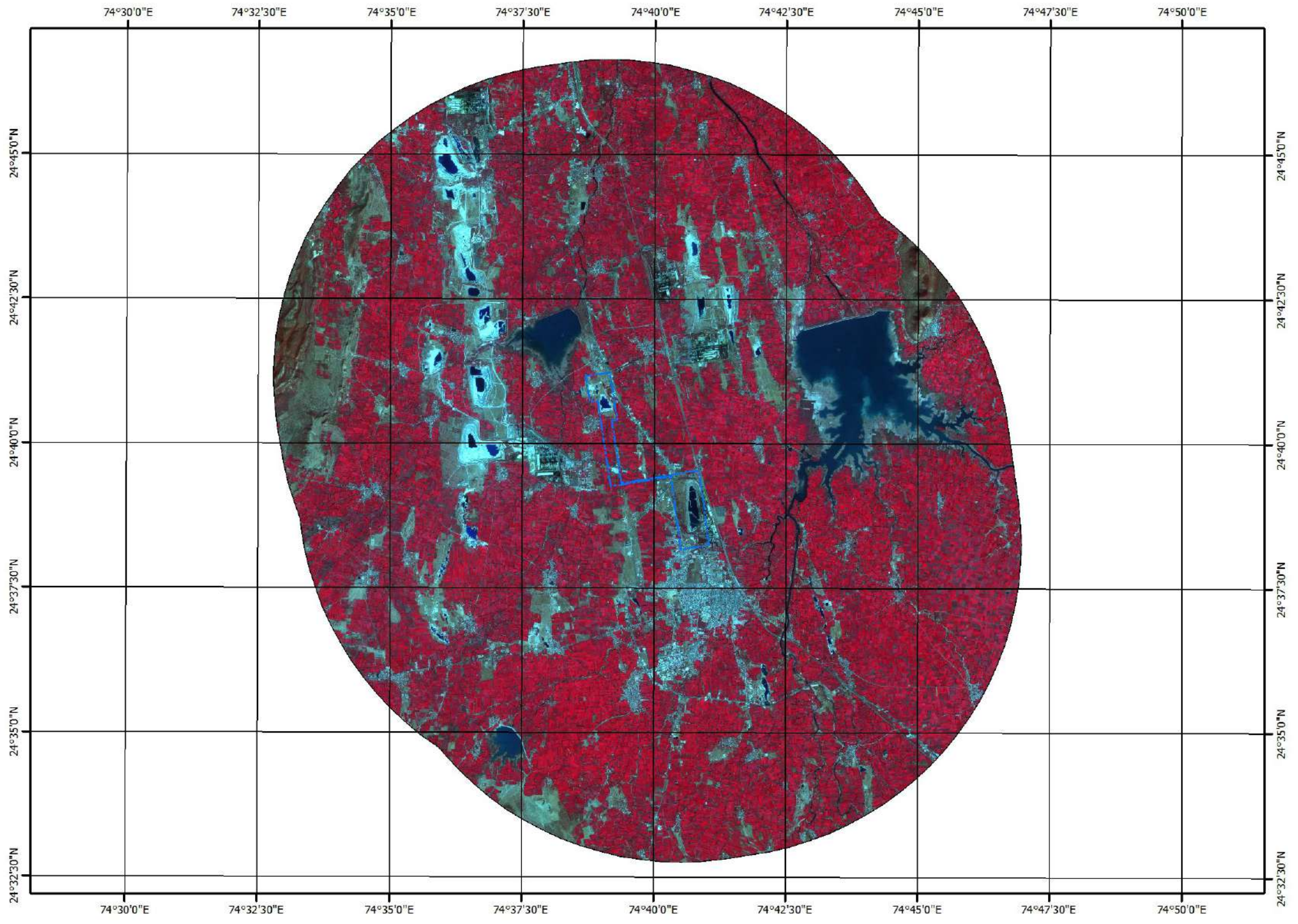


Transportation (Road) & Infrastructure (Conveyor)

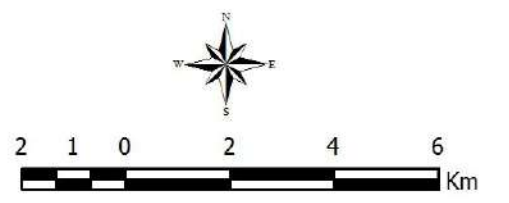
Figure : 2 Base Map and Satellite Image of Study Area



Satellite Image Map - 10Km Buffer Zone - Nimbahera-Ahirpura Limestone Mine



**Legend**  
Mine Lease Boundary



Client : J. K. Cement Works, Nimbahera  
Prepared By : CompuSense Automation, Ahmedabad  
Data Source : Resourcesat-2, L4FMX, Dated - 10th Jan. 2025  
Sentinel-2, Dated - 03rd Oct. 2024, Cartosat-3, MX,  
Dated - 15th May 2025 and Cartosat-2, MX, Dated - 13th Feb. 2025

## 9. Result (Statistics)

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

<b>Table : 4 Land Use/Land Cover Statistics – Core Area</b>				
<b>CLASSIFICATION</b>				
<b>LEVEL – I</b>	<b>LEVEL – II</b>	<b>LEVEL-III</b>	<b>% Area</b>	<b>Area (Ha)</b>
Built-up	Residential		3.62	14.59
	Industrial		7.66	30.87
	Transportation		2.67	10.77
		<b>Sub-total</b>	<b>13.94</b>	<b>56.22</b>
Agriculture Land	Crop Land	Kharif Crop	2.68	10.79
		Rabi Crop	7.82	31.55
		Kharif + Rabi Crop	9.79	39.46
	Fallow Land		1.79	7.23
		<b>Sub-total</b>	<b>22.08</b>	<b>89.02</b>
Wastelands	Open Scrub		20.23	81.56
		<b>Sub-total</b>	<b>20.23</b>	<b>81.56</b>
Water bodies	Mine Sump		7.42	29.92
		<b>Sub-total</b>	<b>7.42</b>	<b>29.92</b>
	Excavated Area (Excluding Mine Sump)		16.56	66.76
	Afforestation Within Mining Pit Area		1.07	4.30
	Afforestation		16.25	65.52
Others	Stone Quarry		0.10	0.40
	Waste Dump		0.90	3.65
	Screen Reject Dump		0.39	1.56
	Soil Embankment		0.55	2.24
	Back Filled Area		0.448	1.81
	Plantation on Back Filled Area		0.061	0.25
		<b>Sub-total</b>	<b>36.33</b>	<b>146.47</b>
	<b>Total</b>	<b>100.00</b>	<b>403.19</b>	

Note – Pit area is sum of Excavated area, Mine Sump, Afforestation Within Mining Pit Area, Back Filled Area and Plantation on Back Filled Area i.e. 102.04Ha.

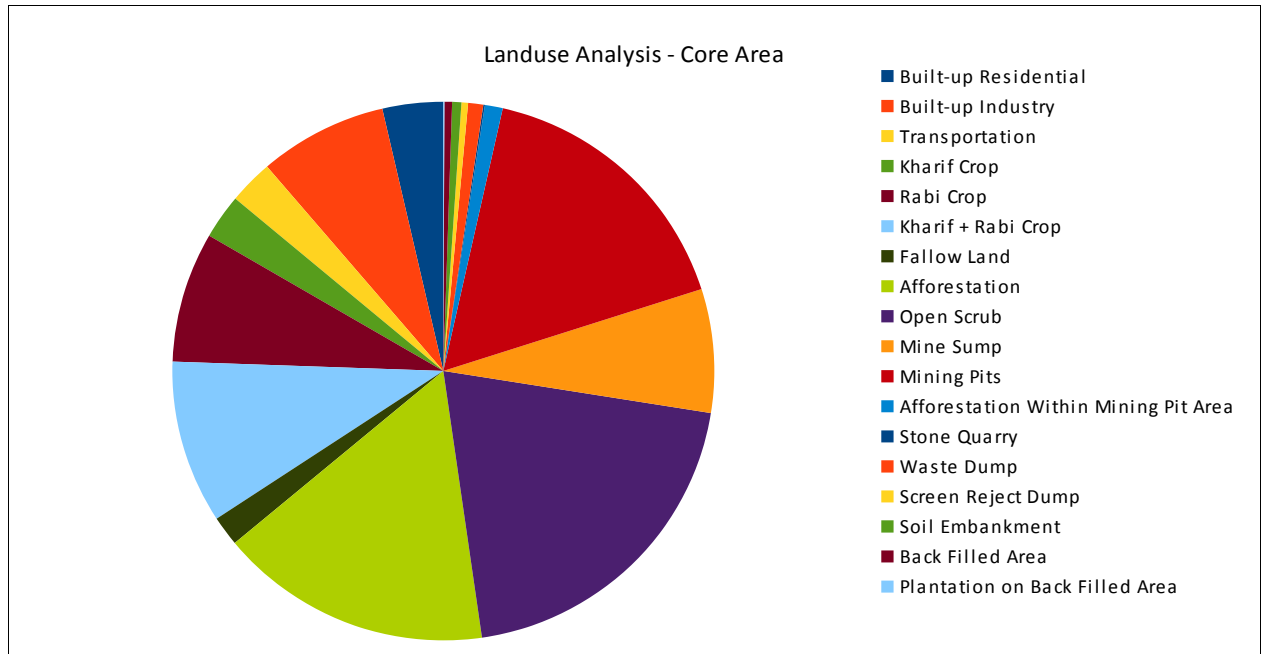
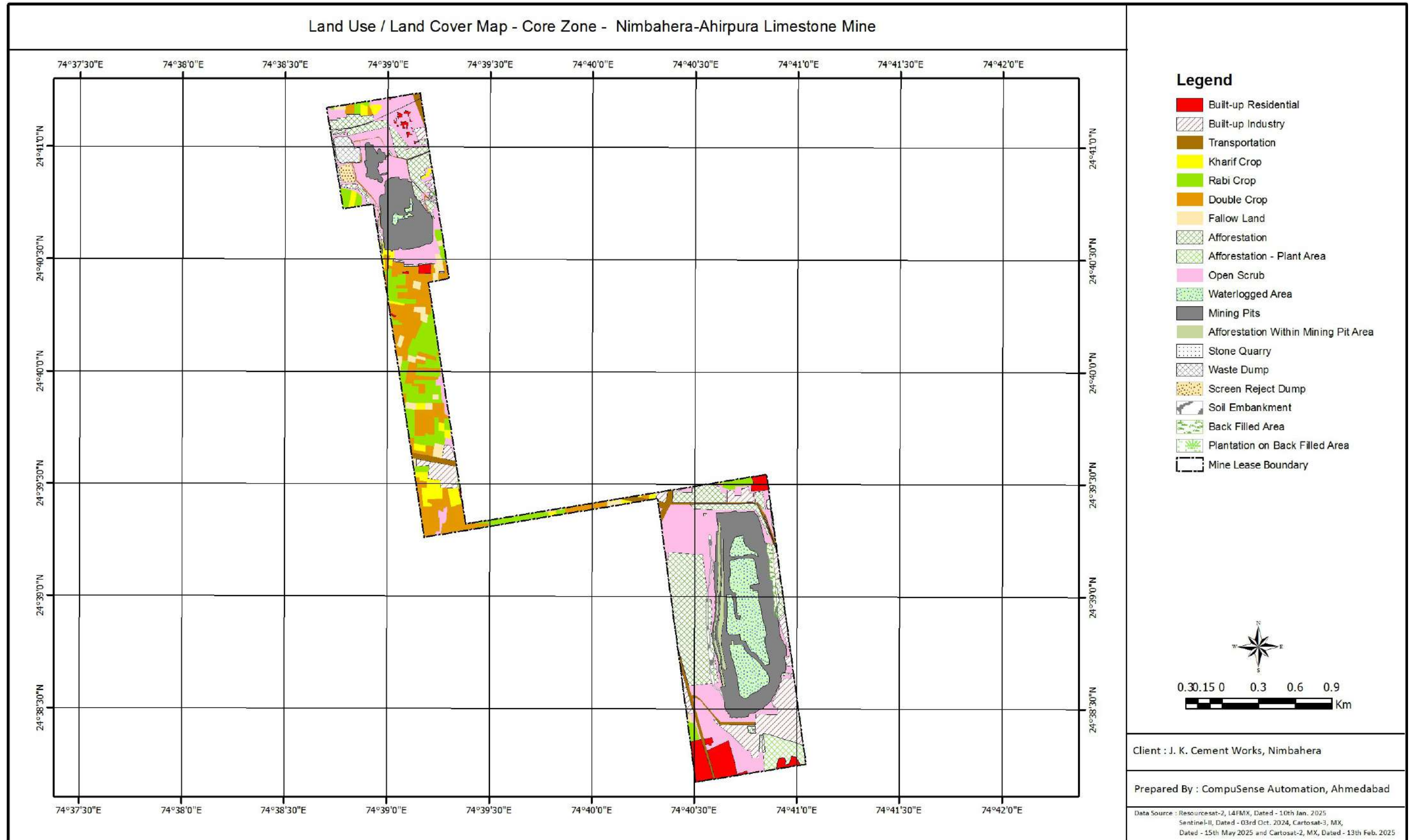


Figure : 3 Land Use / Land Cover Map Core Zone



## 9.2 500m Buffer Zone

<b>Table : 5 Land Use/Land Cover Statistics – 500m Buffer Zone</b>				
<b>CLASSIFICATION</b>				
<b>LEVEL – I</b>	<b>LEVEL – II</b>	<b>LEVEL-III</b>	<b>% Area</b>	<b>Area (Ha)</b>
Built-up	Residential		10.94	151.76
	Industrial		9.15	126.86
	Transportation		3.51	48.68
		<b>Sub-total</b>	<b>23.60</b>	<b>327.30</b>
Agriculture Land	Crop Land	Kharif Crop	4.08	56.55
		Rabi Crop	21.04	291.84
		Kharif + Rabi Crop	18.70	259.39
	Fallow Land		3.31	45.85
		<b>Sub-total</b>	<b>47.13</b>	<b>653.62</b>
Wastelands	Open Scrub		14.34	198.91
		<b>Sub-total</b>	<b>14.34</b>	<b>198.91</b>
Water bodies	Lake/Pond/Reservoir		0.07	1.02
	Mine Sump		2.34	32.39
		<b>Sub-total</b>	<b>2.41</b>	<b>33.41</b>
	Excavated Area (Excluding Mine Sump)		5.58	77.32
	Afforestation Within Mining Pit Area		0.31	4.30
Others	Afforestation		5.82	80.77
	Stone Quarry		0.12	1.73
	Waste Dump		0.26	3.65
	Screen Reject Dump		0.11	1.56
	Soil Embankment		0.16	2.24
	Back Filled Area		0.130	1.81
	Plantation on Back Filled Area		0.018	0.25
		<b>Sub-total</b>	<b>12.52</b>	<b>173.61</b>
	<b>Total</b>	<b>100.00</b>	<b>1,386.86</b>	

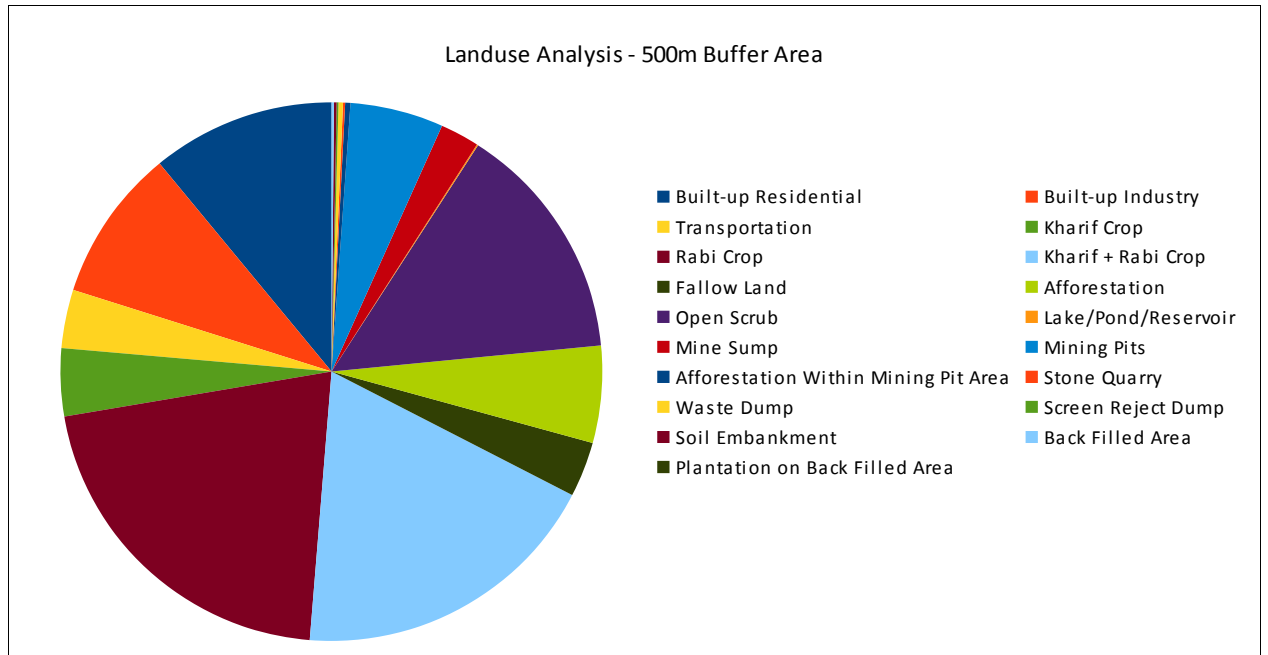
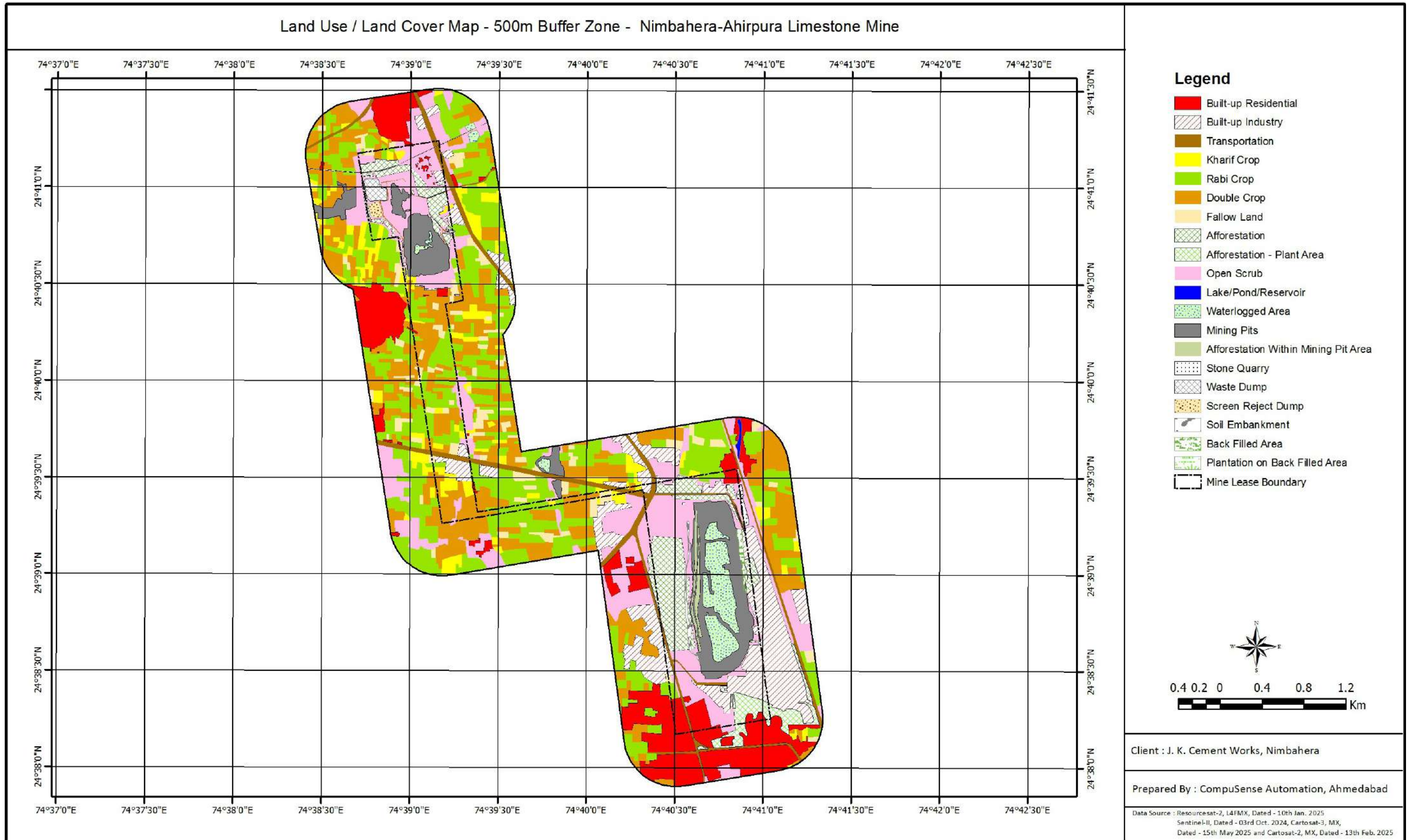


Figure : 4 Landuse /Landcover Map 500m Buffer Zone



### 9.3 5Km Buffer Zone

<b>Table : 6 Land Use/Land Cover Statistics – 5Km Buffer Zone</b>				
<b>CLASSIFICATION</b>				
<b>LEVEL – I</b>	<b>LEVEL – II</b>	<b>LEVEL-III</b>	<b>% Area</b>	<b>Area (Ha)</b>
Built-up	Residential		8.38	1,370.35
	Industrial		4.56	746.28
	Transportation		1.17	190.89
		<b>Sub-total</b>	<b>14.11</b>	<b>2,307.52</b>
Agriculture Land	Crop Land	Kharif Crop	7.45	1,218.17
		Rabi Crop	25.32	4,139.39
		Kharif + Rabi Crop	20.48	3,348.31
	Fallow Land		9.13	1,491.96
	Horticulture Plantation		0.00	0.64
		<b>Sub-total</b>	<b>62.38</b>	<b>10,198.48</b>
Wastelands	Dense Scrub		0.17	27.61
	Open Scrub		13.87	2,267.98
		<b>Sub-total</b>	<b>14.04</b>	<b>2,295.59</b>
Water bodies	River		0.99	161.04
	Lake/Pond/Reservoir		2.06	336.96
	Mine Sump		0.58	95.08
		<b>Sub-total</b>	<b>3.63</b>	<b>593.08</b>
Others	Excavated Area (Excluding Mine Sump)		3.62	592.17
	Afforestation Within Mining Pit Area		0.03	4.30
	Afforestation		1.46	238.96
	Stone Quarry		0.35	57.59
	Waste Dump		0.17	27.27
	Plantation on Waste Dump		0.006	0.97
	Screen Reject Dump		0.02	2.50
	Sub Grade Dump		0.11	17.29
	Soil Embankment		0.02	2.71
	Back Filled Area		0.011	1.81
	Plantation on Back Filled Area		0.002	0.25
	Mineral Stock Area		0.05	8.56
		<b>Sub-total</b>	<b>5.84</b>	<b>954.36</b>
	<b>Total</b>	<b>100.00</b>	<b>16,349.03</b>	

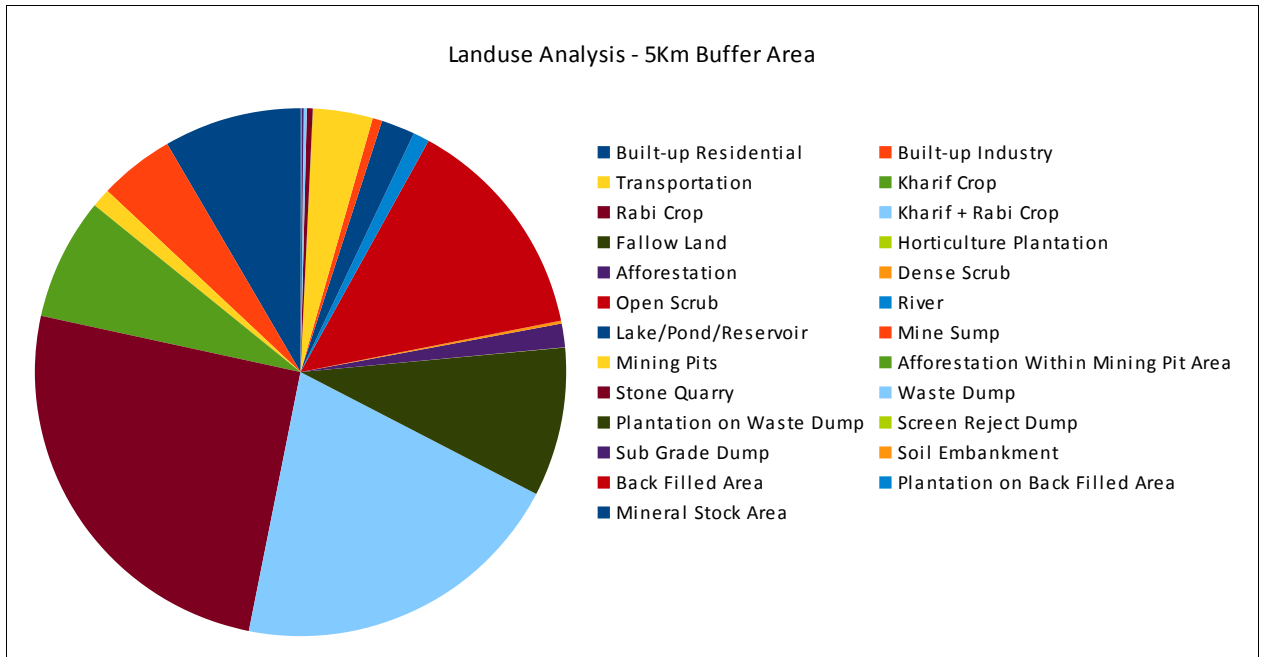
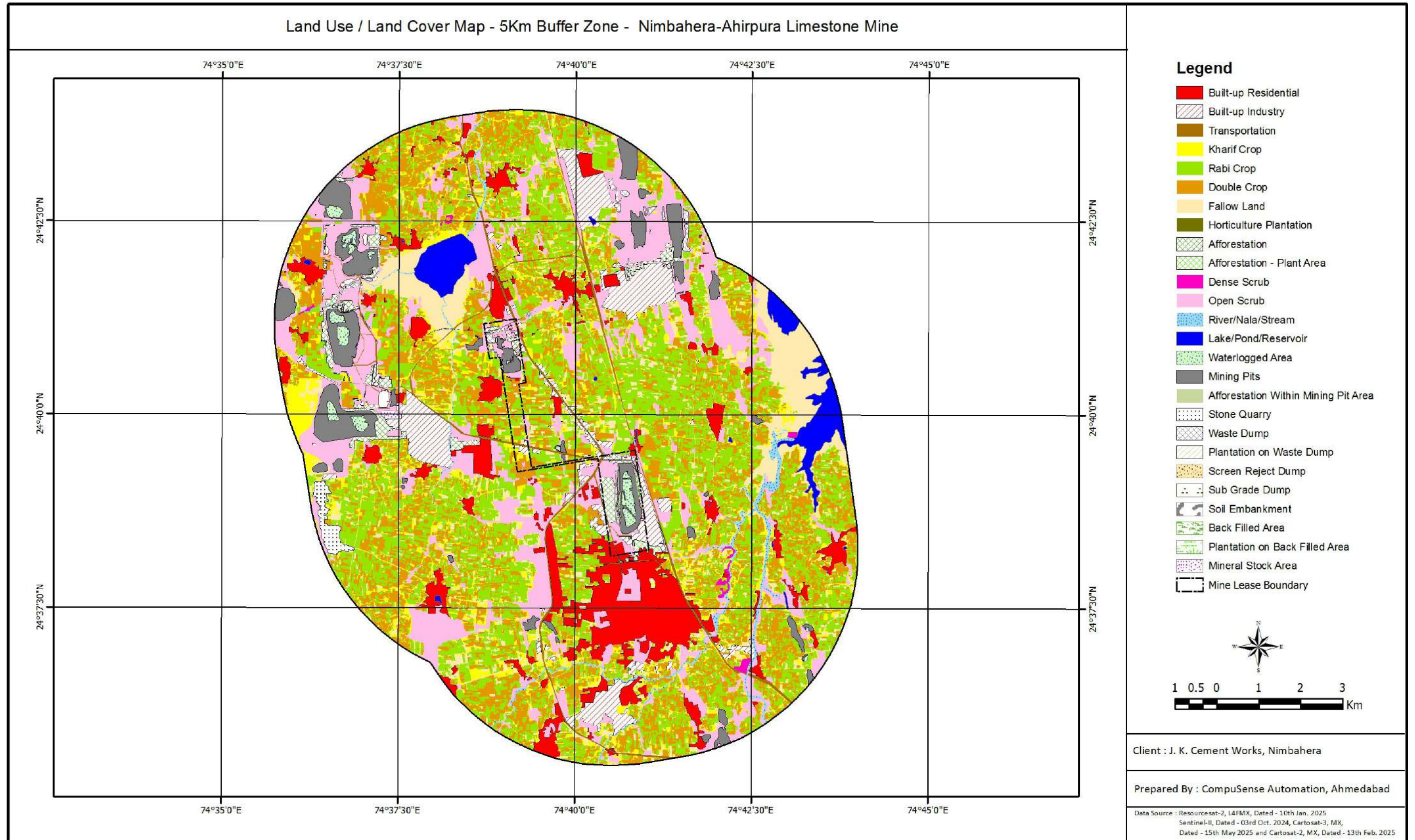


Figure : 5 Landuse / Landcover Map – 5km Buffer Zone



#### 9.4 10Km Buffer Zone

<b>Table : 7 Land Use/Land Cover Statistics – 10Km Buffer Zone</b>				
<b>CLASSIFICATION</b>				
<b>LEVEL – I</b>	<b>LEVEL – II</b>	<b>LEVEL-III</b>	<b>% Area</b>	<b>Area (Ha)</b>
Built-up	Residential		5.49	2,602.87
	Industrial		2.05	971.25
	Transportation		0.68	322.32
		<b>Sub-total</b>	<b>8.22</b>	<b>3,896.44</b>
Agriculture Land	Crop Land	Kharif Crop	7.96	3,773.63
		Rabi Crop	28.45	13,495.71
		Kharif + Rabi Crop	23.84	11,308.90
	Fallow Land		8.71	4,132.28
	Horticulture Plantation		0.01	6.76
		<b>Sub-total</b>	<b>68.98</b>	<b>32,717.28</b>
Forest	Dense Forest		1.33	632.38
	Open Forest		0.99	469.61
		<b>Sub-total</b>	<b>2.32</b>	<b>1,101.99</b>
Wastelands	Dense Scrub		0.23	110.02
	Open Scrub		12.58	5,965.12
	Hill		0.45	215.61
		<b>Sub-total</b>	<b>13.26</b>	<b>6,290.75</b>
Water bodies	River		0.95	451.82
	Lake/Pond/Reservoir		2.70	1,281.85
	Mine Sump		0.23	111.16
		<b>Sub-total</b>	<b>3.89</b>	<b>1,844.83</b>
Others	Excavated Area (Excluding Mine Sump)		2.11	1,002.49
	Afforestation Within Mining Pit Area		0.01	4.30
	Afforestation		0.82	389.48
	Stone Quarry		0.19	90.36
	Waste Dump		0.12	58.44
	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	2.71
	Back Filled Area		0.004	1.81
	Plantation on Back Filled Area		0.001	0.25
	Mineral Stock Area		0.02	8.56
		<b>Sub-total</b>	<b>3.33</b>	<b>1,579.15</b>
	<b>Total</b>	<b>100.00</b>	<b>47,430.44</b>	

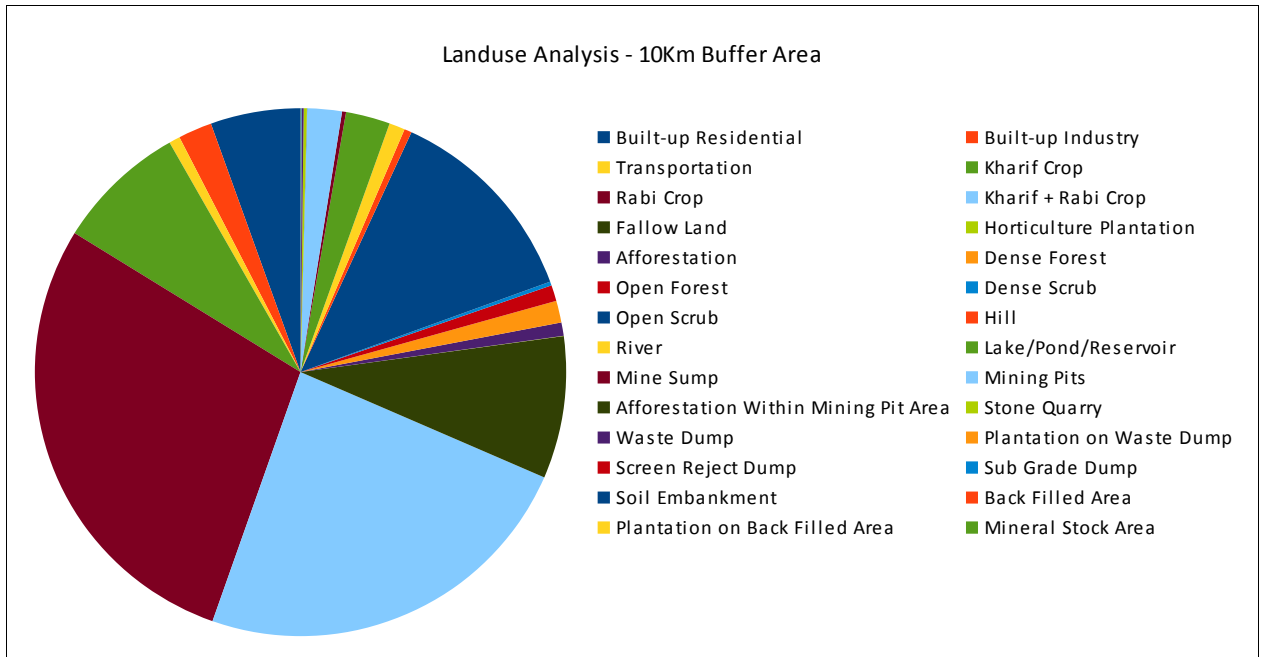
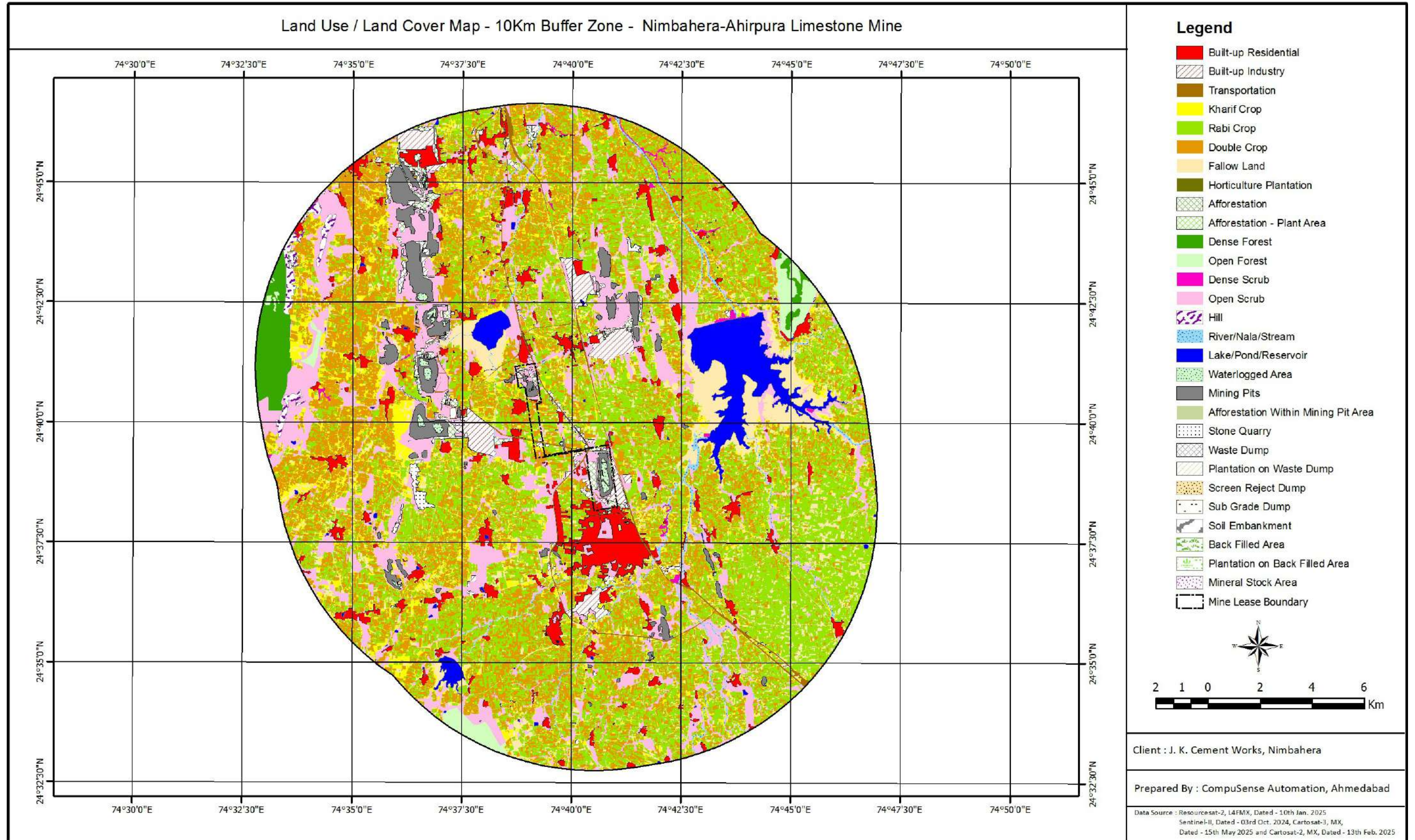


Figure : 6 Landuse/Landcover Map – 10km Buffer Zone



**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.

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
<b>Total</b>	<b>126159</b>	<b>349407</b>	<b>2,28,22,724</b>

### 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 मायूरीक विद्युतलय में जागरण कार्यक्रम आयोजित किया गया। यह कार्यक्रम जे. के. सीमेंट के यूनिट हेड मनीष तोपनीवान और एच.आर हेड प्रकाश मिश्रा के मार्गदर्शन में आयोजित किए गए। कार्यक्रम का उद्देश्य कचरों को रोचक और सार्विक तरीके से जोड़ते हुए उन्हें ओजोन परत के महत्व के



कार्य में जागरण करना था। इस दौरान जागरणकर्ता स्व. 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। उत्तर में छात्रों को कौंधे उपहार प्रदान किए गए, जो पर्यावरण संरक्षण और हरित भविष्य के प्रति हमारी सामूहिक जिम्मेदारी का प्रतीक है। यह कार्यक्रम स केवल जागरणकर्ता फैलाने में सफल रहा बल्कि कचरों 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

