

NBH/PC-14/C12/

Through Email

Date 29.05.2024

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 Maliakhera Limestone Mine (ML 04/2003) by J. K. Cement Works, Nimbahera, Dist. Chittorgarh, (Rajasthan (J. K. Cement Ltd.).

Ref.: EC letter no. - J-11015/42/2019/-IA. II (M) dated. 19th August 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 2023 to March 2024.**

As per MoEF & CC notification no. S.O. 5845 (E) 26.11.2018 the soft copy of same has been sent through email to iro.jaipur-mefcc@gov.in, moef@nic.in, ccb.cpcb@nic.in, member-secretary@rpcb.nic.in, cpcb.bhopal@gov.in, monitoring-ec@nic.in.

We hope that the compliance is in order.

Thanking you.

Yours Faithfully

For J. K. Cement Works, Nimbahera



R. B. M Tripathi
President (Operations)

Encl: as above

Copy to:

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

Corporate Office

◆ Prism Tower, 6th Floor, Ninaniya Estate,
Gwal Pahari, Gurugram - 122102, Haryana

☎ 0124-6919000

✉ admin.padamtower@jkcement.com

JK SUPER
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Manufacturing Units at :

Nimbahera, Manerol, Gotan (Rajasthan) | Muddanur (Karnataka)



Form for Uploading Six Monthly Compliance Report

Proposal Details

Proposal No.	IA/RJ/MIN/210712/2019	Project Name	Proposal for Environmental Clearance for Expansion of Maliakhera Limestone Mine (ML No.: 04/2003, Area-315.409 Ha.) from 3.2 Million TPA (Limestone) to 6.3 Million TPA of Total Excavation (Limestone: - 5.6 Million TPA, Inter-burden (Clay)/ Screen rejects/Waste:- 0.245 Million TPA, Sub-grade Mineral (Mineral rejects):- 0.425 Million TPA and Top Soil: - 0.030 Million TPA) with No change in existing crusher (1500 TPH) & OLBC situated at Village - Maliakhera, Tehsil - Nimbahera and District - Chittorgarh, Rajasthan by M/s. J.K. Cement Limited, Kanpur.
Category	A	MoEF File No.	J-11015/42/2019-IA. II (M) dated 19/08/2021
Name of the Entity / Corporate Office*	M/s. J.K. Cement Works, Nimbahera, Kailash Nagar, District Chittorgarh-31261, Rajasthan (unit of J K Cement Limited, Kanpur)		
Entity's PAN*	AABCJ0355R		
Entity Name as per PAN	J K CEMENT LIMITED.		

Compliance Letter/Report

Reporting Year*	2023-2024	Reporting Period*	October-2023 to March-2024
Remarks (if any)	Submitting herewith the Six-Monthly EC Compliance Report for the period: October-2023 to March-2024 of Maliakhera Limestone Mine (ML No.: 04/2003, Area - 315.409 Ha.) from 3.2 Million TPA (Limestone) to 6.3 Million TPA of Total Excavation with No change in existing crusher (1500 TPH) & OLBC situated at Village - Maliakhera, Tehsil - Nimbahera and District - Chittorgarh, Rajasthan by M/s. J.K. Cement Limited, Kanpur.		

Details of Production and Project Area

Date of Commencement of Project /Activity: *	15.04.1986	Project Area as Per EC Granted (In Case of Mine Lease): *	315.409 ha.
Actual Project Area (In Case of Mine Lease): *	265.66 ha.		

		PRODUCTION CAPACITY: Detail of Mines Excavation Quantity for the FY: 2023-24			
S. No	Particulars	Unit	Permitted Quantity as Per EC	Production during last Financial Year: 2022-23	Actual Production Quantity for the April-2023 to March-2024
1	Cement Grade Limestone	Million TPA	5.600	4.596961	5.23290862

2	Sub-Grade Limestone	Million TPA	0.425	0.390342	0.208858
3	IB/Screen Reject/Waste	Million TPA	0.245	0.065167	0.053354
4	Topsoil	Million TPA	0.030	0.026460	0.028640
Total Excavation Quantity		Million TPA	6.300	5.07893	2.88499623


Maliakhera Limestone Mine (M.L. No.: 04/2003, ML Area: 315.409 ha.)

EC Compliance Report: October-2023 to March-2024

Environmental Clearance for Expansion of Maliakhera Limestone Mine (ML No.: 04/2003, Area-315.409 Ha.) from 3.2 Million TPA (Limestone) to 6.3 Million TPA of Total Excavation (Limestone: - 5.6 Million TPA, Inter-burden (Clay)/ Screen rejects/Waste:- 0.245 Million TPA, Sub-grade Mineral (Mineral rejects):- 0.425 Million TPA and Top Soil: - 0.030 Million TPA) with No change in existing crusher (1500 TPH) & OLBC situated at Village – Maliakhera, Tehsil–Nimbahera and District – Chittorgarh, Rajasthan by M/s. J.K. Cement Limited, Kanpur.

Environment Clearance vide No.: J-11015/42/2019-IA.II (M), dated 19/08/2021

A. SPECIFIC CONDITION				
S. No.	Condition Type	Condition Details	Self Declaration	Remarks / Reason
1	Statutory compliance	The safety zone from nearby village currently maintained at 300 m till the life of mine must be maintained and in case if there is a plan to access less than this distance, specific statutory permission will be required for accessing the minerals, besides, fresh studies to assess impacts of blasting on the adjoining village due to noise, vibration and air pollution be done and submitted.	Complied	Safety zone of 300 m has been maintained toward Maliakhera & Pipliya-Gadiya Villages, same will be maintained till conceptual stage. If any changes prior permission will be obtained.
2	Statutory compliance	The project proponent should explore the possibility of plantation in the adjoining area outside the lease boundary between the village and the mine lease to create a barrier of at least 50 m width belt.	Complied	Nearest village from mine lease are Maliakhera and Pipliya-Gadiya which plantation work is going on in width of more than 50m within mine lease.

3	Mining Plan	It is proposed to create a water reservoir at 215.902 Ha at the end of closure of mine. PP must submit a detailed plan that how will this water reservoir be protected, utilized for villagers in agriculture after necessary treatment.	Complied	Agreed & noted.								
4	Mining Plan	The project proponent should explore the possibility of use of permanent water sprinklers for control of dust on the haul roads within the mine lease area.	Complied	<ul style="list-style-type: none"> • Unit has deployed two nos. of mobile water tankers of 18 KL & 10 KL capacity for regular water sprinkling on the haul roads to prevent dust generation during transportation of limestone through dumpers. • Water tankers have also been equipped with high pressure jet systems to wet the blasted muck for suppression the fugitive dust emission during loading activity. • Unit has implemented permanent water sprinklers on ramp of crusher. 								
5	Mining Plan	PP should ensure plantation in the mined out pits in the benches which are not sub-merged in water with 95% survival rate.	Complied	Presently, mine pits are in active condition, plantation will be done in the benches of mined out pits.								
6	Mining Plan	OLBC must be completed within 5 months as committed during the presentation.	Complied	OLBC has been commissioned on 12/01/2022, which has intimated to Ministry.								
7	Mining Plan	PP must not exceed the total excavation that it has considered for preparation of EMP at any time during the operation.	Complied	<p>Excavation quantity is maintaining well within the permitted limit. Details of excavation Million TPA for the April-23-March-2024 is as below:</p> <table border="1" data-bbox="1159 1341 1927 1446"> <thead> <tr> <th>Limestone</th> <th>IB/Screen reject/Waste</th> <th>Sub Grade (Mineral Reject)</th> <th>Top Soil</th> </tr> </thead> <tbody> <tr> <td>5.23290862</td> <td>0.053354</td> <td>0.208858</td> <td>0.028640</td> </tr> </tbody> </table>	Limestone	IB/Screen reject/Waste	Sub Grade (Mineral Reject)	Top Soil	5.23290862	0.053354	0.208858	0.028640
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8	Green Belt	The PP must submit the status report of plantation in the periphery, non-mineral zone, safety zone, avenue plantation, and either side of village road to the Ministry in every 6 months.	Complied	Details of plantation developed are below: - <table border="1"> <thead> <tr> <th>Location of plantation</th> <th>Total Area</th> <th>Total Plantation Up to March 2024</th> <th>Total Plantation in nos. FY-2023-2024</th> <th>Remark</th> </tr> </thead> <tbody> <tr> <td>Periphery area (Safety Zone)</td> <td>6.128 ha</td> <td>3.23ha covered with 8074 nos</td> <td>0.06 ha. Covered with 150 saplings.</td> <td>Remaining Periphery plantation area 2.898 ha to be done in phase manner.</td> </tr> <tr> <td>Non mineral area/ Village Road/ Avenue Plantation</td> <td></td> <td>Cumulative within lease – 35.495 ha. with 78865 nos. of saplings. Cumulative outside lease – 5.72 ha. with 13779 nos. of saplings.</td> <td>During 2023-24 up to March-24 within lease – 2.34 ha. with 8721 nos. of saplings.</td> <td>Plantation is done in F.Y. 2023-24.</td> </tr> <tr> <td>Total Area</td> <td></td> <td>44.445 ha (100718 sapling)</td> <td>2.40 ha (8871 saplings)</td> <td></td> </tr> </tbody> </table>	Location of plantation	Total Area	Total Plantation Up to March 2024	Total Plantation in nos. FY-2023-2024	Remark	Periphery area (Safety Zone)	6.128 ha	3.23ha covered with 8074 nos	0.06 ha. Covered with 150 saplings.	Remaining Periphery plantation area 2.898 ha to be done in phase manner.	Non mineral area/ Village Road/ Avenue Plantation		Cumulative within lease – 35.495 ha. with 78865 nos. of saplings. Cumulative outside lease – 5.72 ha. with 13779 nos. of saplings.	During 2023-24 up to March-24 within lease – 2.34 ha. with 8721 nos. of saplings.	Plantation is done in F.Y. 2023-24.	Total Area		44.445 ha (100718 sapling)	2.40 ha (8871 saplings)	
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Total Area		44.445 ha (100718 sapling)	2.40 ha (8871 saplings)																					
9	Statutory compliance	The compliance to public hearing as indicated in the table with an investment of 514 Lakhs be submitted annually to the Ministry	Complied	Details of PH issue addressed are in below table:																				

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S. N.	Activity Head	CSR Project or activities	Time bound Action Plan with Budgetary allocation	2021-22	Capital Cost (Amount Rs. in Lakh)					Total
					Work Completion Status	2022-23	Work Completion Status	2023-24	Work Completion Status	
	Community Infrastructure Development	Gaushala in Village Maliakheri.	There is an issue of land availability from panchayat however, proposal for Construction of Gaushala in village Maliakhedi has been taken up, which will be done in FY 2021-22 with a budget of Rs. 10 Lakh.	10	There is an issue of land availability from panchayat	-	There is an issue of land availability from panchayat	-	There is an issue of land availability from panchayat	10
		Dairy building in Village- Karunda	Proposal for Construction of dairy building in village Karunda has been taken up, which will be done in FY 2021-22 after getting proposal from Panchayat.	20	There is an issue of land availability from panchayat	-	There is an issue of land availability from panchayat	-	Work under progress	20
		CC road in Village- Maliakheri	Repair of CC road in Village Maliakheri of 2.4 Kms will be done.	-	-	-	-	30	-	30

	Construction of Community Center and drainage in Village Bansa & Renovation of Bathroom.	Community Center and Drainage in Village Basa will be done in FY 2021-22 & 2022-23 respectively	20	Completed (Rs. 20 lacs)	10	Completed (Rs. 10 lacs)	-	-	30
	Construction of Community Center in village Karunda	Construction of community center will be done in FY 2023-2024 after land allotment by panchayat.	-	-	20	Government land not available	20	Government land not available	40
	CC road from main road to temple in Village Pipaliya Gadiya	Construction of CC road from main road to temple in Village Karunda i.e.: 800-900 m length will be constructed by year 2021-22.	20	Completed (Rs. 15 lacs)	-	-	-	-	20
	Construction of New School Building in Maliakhera Village (3Rooms & Baramda . Toilet)	Construction of school building which will be done in FY 2021-22 (30 Lakh for school building 18X20 square feet and 6 feet baramda) and 10 Lakh for toilet in FY 2022-23.	30	Completed (Rs. 28 lacs)	10	Completed (Rs. 10 lacs)	-	-	40
	Beautification of Pond and a garden with open gym in the village Karunda.	Beautification of Pond and a garden with open gym will be done in the village Karunda by year 2022-23 and Year 2023-24 respectively.	-	-	15	Panchayat land issue	10	Panchayat land issue	25
	CC road along with drain construction work in Village-Saand.	Construction work of CC road (800 -900 Mtr) along with drainage in village sand will be done by the Company in FY 2021-22 with the expenditure 18 Lakh.	18	Completed (Rs. 19 lacs)	-	-	-	-	18
	CC Road in Maliakheri.	Budget of Rs. 26 Lakhs was allotted for the construction of CC Road (Length: 2.4 Km) in Maliakhera Village. Work will be done in year 2021-22.	14	Completed	12	Completed	-	-	26
	CC road and drainage in Village Dhanora	Construction of CC road (800-900 mtr) and drainage in Village Dhanora will be done in year 2021-22	20	Completed (Rs. 19 lacs)	-	-	-	-	20
	Gravel Gitty link road between Village Bansa and Piplia	Construction of gravel gitty link road (2.0 km) will be done in year 2022-23 .	-	-	20	Completed (Rs. 20 lacs)	-	-	20
	Community building work-village saand.	Construction of Community building work (80 X 20 Square feet) will be done in year 2022-23.	-	-	30	Constructed by Government.	-	-	30

		Burial sites development work in Pairy, Sanda, Shergarh and Pipilia.	Total budget of Rs. 42.0 Lakh has been taken for development work of Burial sites in four village (Payri 10 Lakh, Saand 7 Lakh, Shergarh 5 lakh and in Pipliya 20 Lakh) and work will be done in year 2022-23 and 2023-24 respectively.	-	-	17	Work is under progress	25	Work is under progress	42
		School building and campus at Village Pipliya and Shergarh.	Construction of school building (3 rooms of 18 X 20 square feet) in Village Pipaliya and shergarh will be done in year 2022-23 and 2023-24 respectively.	-	-	20	To be done after land provided by Government dept.	20	To be done after land provided by Government dept.	40
		Boy and girl toilets Village Saand	Construction of toilets (10 X 20 square feet) in Village Saand will be done in year 2021-22.	5	Will be completed	-	-	-	-	5
		Community Hall in Phalwa Village	Work is going on and will be completed in the year 2022-23.	30	Completed (Rs. 18 lacs)	15	Completed	-	-	45
		Road from JK main road to school at Village Peerkheda	Construction of road (0.7.km) from JK main road to school and work will be done in the year 2022-23.	-	-	4	-	-	To be done	4
2	Drinking Water	Tubewell in school in Village Peerkheda	Work will be done in the year 2021-22.	2	To be done	-	-	-	-	2
		Pipeline for drinking water in entire Pairy, Karunda and Pipaliya Gadia village.	900 pipes required for all three village and approx. 1.5 KM distance will be done in FY 2021-22.	20	Completed (Rs. 20 lacs)	-	-	-	-	20
3	Local Needs	Need based	Total project cost is Rs. 87.70 Crore and considering 2% of project cost, total CER cost comes to Rs. 175 lacs. However, we are proposing CER Cost of Rs. 514 lacs. Accordingly there is an additional provision of Rs. 27 lacs to meet the instent requirement from the community	-	-	-	-	27	Completed	27
Total				209	139	173	58.08	132		514
10	Miscellaneous	Submit the update on implementation of Wildlife Conservation Plan both specific to this mine expenditure as well as combined expenditure annually.	Complied	Combined WLCP has been prepared for 5 Nos. of captive Limestone Mines and 2 Nos. of Integrated Cement Plant of J K Cement Ltd are situated within 10 Km radius in Tehsil Nimbahera, Chittorgarh District. Wildlife Conservation Plan (WCP) has been prepared for 6 Schedule-I Species found in the buffer area during the survey i.e.: - a) Pavocristatus (Indian Peafowl), b) Pantherapadusfusca (Indian Leopard),						

				<p>c) Prionailurus rubiginosus (Rusty-Spotted Cat), d) Canis lupus pallipes (Indian Wolf), e) Varanus bengalensis (Indian Monitor Lizard) f) Gyps indicus/Gyps bengalensis (Indian Vulture)</p> <p>Wild life 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 and accordingly 20% amount of Rs. 57.07 Lakh deposited to DFO - Chittorgarh against the total amount of WCP of Rs. 285.30/- Cr in July-2021.</p>
11	Miscellaneous	At the time of revision of mining plan, EMP if modified, for a peak production be submitted along with the revised mining plan to the Ministry.	Yet to be complied	Agreed, no revision of mining plan and EMP yet being done.
12	Greenbelt	The study carried out by drone and shown during the presentation must be submitted to the Ministry for the purpose of record.	Complied	Plantation status shown by drone during EAC meeting has been submitted to the MoEF&CC on 30/11/2021.
B.	STANDARD CONDITIONS:			
I.	Statutory Compliance			
1	Statutory compliance	This Environmental Clearance (EC) is subject to orders/judgment 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.	Complied	Completed
2	Statutory compliance	The Project proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated 2 nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors before commencing the mining operations.	Complied	Unit is complying with all the statutory requirements.
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	Complied	Certificate issued by Mining Department regarding the "No Dues" of compensation levied. NOC letter submitted along with Compliance report on dated 25.05.2022.

		& Geology in strict compliance of Judgment of Hon'ble Supreme Court dated 2 nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors.		
4	Statutory compliance	This Environmental Clearance shall become operational only after receiving formal NBWL Clearance from MoEF&CC subsequent to the recommendations of the Standing Committee of National Board for Wildlife, if applicable to the Project.	Complied	Not applicable
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.	Complied	Not applicable
6	Statutory compliance	Project proponent (PP) shall obtain consent to operate after the 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.	Complied	Unit has obtained the CTE & CTO from RSPCB: <ul style="list-style-type: none"> • CTE granted by RSPCB vide letter No.: F (Mines)/Chittorgarh (Nimbahera)/1869 (1)/2017-2018/3705-3709, Order No.: 2021-2022/Mines/10328, dt. 29.10.2021. • CTO granted by RSPCB vide letter No.: F (Mines)/Chittorgarh (Nimbahera)/1869(1) /2017-2018/3905-3909, Order No.: 2021-2022/Mines/10333 dated 12/11/2021, valid up to 31/10/2026.
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.	Complied	Agreed and complied.
8	Statutory compliance	The project proponent shall obtain consents from all the concerned landowners, 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.	Complied	Agreed, landowners have no concern.

9	Statutory compliance	The project proponent shall follow the mitigation measures provided in MOEFCC's office memorandum No. Z-1103/57/2014-IA. II(M), dated 29 th October, 2014, titled "Impact of mining activities on Habitations - issues related to the mining projects wherein habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area"	Complied	Unit has taken the following measures to reduces the impact of mining activities on habitations: - 1. Garland drain constructed, 2. Siltation pond facilitated, 3. Regular water spray on haul road is being done, 4. Rainwater collected in mine pit and as per requirement of villagers, water is being supplied to nearby villagers during the lean period, 5. Mask light is being kept in off mode during night period, 6. Control blasting has been implemented, 7. Company owns road used for limestone transportation, and 8. Carried out dense plantation.
10	Statutory compliance	The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface water from CGWA for withdrawal of ground water for the project.	Complied	Unit has obtained Combined NOC for ground water withdrawal for Plant & Mines from CGWA vide letter No.: CGWA/NOC/MIN/REN /2/2021/6354, dated 28.10.2020, valid till 27/10/2022. Renewal application has been submitted.
11	Statutory compliance	A copy of EC letter will be marked to concerned Panchayat / local NGO etc. if any, from whom suggestion / representation has been received while processing the proposal.	Complied	EC copy had been submitted to concern Panchayat, Zila Parishad, DIC Office, District Collector, SDM Office vide letter No.: NBH/ PC-A/EC-M/KRD/13, dated 23.08.2021. Receipt copy of the same has been submitted along with the half yearly compliance report on 25/05/2022.
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.	Complied	Agreed & noted.
13	Statutory compliance	The Project Authorities should widely advertise the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board/Committee and web site of the Ministry of Environment, Forest and Climate Change (www.parivesh.nic.in). A copy of the	Complied	EC granted information published in two local newspapers i.e.: Dainik Bhasker and Rajasthan Patrika on 24/08/2021 and proof of the same has been submitted along with last EC half yearly compliance report.

		advertisement may be forwarded to the concerned MoEF&CC Regional Office for compliance and record.		
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.	Complied	If any change in ownership of mining will be intimated to the ministry.
II.	Air Quality Monitoring And Preservation			
1	Air Quality Monitoring And Preservation	The Project Proponent shall install a minimum of 3 (three) online Ambient Air 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 operations 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.	Complied	Three (03) nos. of CAAQMS have been installed all along the mine lease boundary: - 1. Near Magazine towards Village Falwa & Peer Khera. 2. Mine Office towards Village Karunda, Pipaliya and Maliakhera. 3. Towards Village Charlia (Common for Karunda mine and Maliakhera mine). Digital display board has been provided at Mine Office. CAAQMS data has been uploaded on CPCB and RSPCB portals.
2	Air Quality Monitoring and Preservation	Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metaled road	Complied	Following safeguard measures taken for prevention of dust generation: -

		<p>construction etc.) shall be carried out in areas prone to air pollution wherein high levels of PM10 and PM2.5 are evident such as haul road, loading and unloading point and transfer points. The Fugitive dust emissions from all sources shall be regularly controlled by installation of required 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 standards prescribed by the MoEFCC /Central Pollution Control Board.</p>		<ul style="list-style-type: none"> • Regular water sprinkling is being done on haul roads and water sprinkling system has been provided at the unloading point to control the fugitive emission. • Air pollution control equipment's like bag filters, dry fogging system has been installed at crusher to avoid generation of dust while crushing the limestone. • Ambient air quality monitoring is being carried out on a regular basis by NABL accredited laboratory. • Detail Ambient air quality and fugitive emission monitoring reports for the period: October-2023 to March-24 are enclosed as <u>Annexure-1</u> and <u>Annexure-2</u>, respectively.
III	Water Quality Monitoring And Preservation			
1	Water Quality Monitoring and Preservation	<p>In case, immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case, mining operation 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 on detailed hydro-geological study of the area.</p>	Complied	<p>Unit has obtained the NOC for Mines Seepage permission from CGWA vide NOC No.: CGWA/NOC/MIN/ ORIG/2022/14762, dated 10/03/2022, valid till 09/03/2024.</p>
2	Water Quality Monitoring and Preservation	<p>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</p>	Complied	<ul style="list-style-type: none"> • No natural water course and / or water resources will be obstructed due to any mining operation. • Ground water level and quality report submitted on six-monthly basis to the Regional Office of the MoEF&CC, CGWA/ CGWB and SPC Board.

		for their use. A provision for regular monitoring of water table in open dug well 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.		
3	Water Quality Monitoring and Preservation	Project Proponent shall regularly monitor and maintain records w.r.t. groundwater level and quality in and around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the mining operation in consultation with Central Ground Water Authority/State Ground Water Department. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department/State Pollution Control Board.	Complied	<ul style="list-style-type: none"> • Regular monitoring of ground water level and quality is being carried out in and around the mining lease area as per the Environment Management Plan and approved Mining plan by establishing a network of existing wells. • The unit has installed 3 nos. of manual piezometer for periodic measurement & one DWLR (Digital water level Recorder) with telemetry system for online monitoring of ground water level. • Detail ground water level monitoring report for the period: Oct-23 to March-24 is enclosed as <u>Annexure-3</u>.
4	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 monitoring 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 regular monitoring w.r.t. pH and included the same in monitoring plan. The parameters to be monitored shall include their water quality vis-a-vis suitability for usage as per CPCB criteria	Complied	<ul style="list-style-type: none"> • The unit is monitoring the ground water quality on a quarterly basis i.e.: Pre-monsoon (April-May), Monsoon (August), Post-monsoon (November) and Winter (January) by deploying NABL accredited Laboratory. • Detail ground water quality analysis report for the period Post- monsoon and Winter season are enclosed as <u>Annexure-4</u>.

		<p>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.</p>		
5	Water Quality Monitoring and Preservation	<p>Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in mines run-off; acid mine drainage and metal contamination in runoff shall be monitored along with Total Suspended Solids (TDS), Dissolved Oxygen (DO), pH and Total Suspended Solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable location near the main gate of the Company. The circular No. J-20012/1/2006-IA. II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.</p>	Complied	<ul style="list-style-type: none"> • There is no wastewater generation from the Limestone mining operation. • However, water used for washing of HEMM contains silt and traces of oil & grease which is passed through up-flow filter to separate out the oil & grease and clear water is reused for dust suppression. • The quality of water is being analyzed by NABL accredited Lab. • Mine Key Parameter data has been uploaded at www.jkcement.com/environmental-compliance as per notification as well as displayed at mine office.
6	Water Quality Monitoring And Preservation	<p>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</p>	Complied	<p>To augment the water resources, rainwater harvesting is done and stored in lower most benches of mine pit.</p>

		Central Ground Water Board/ State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional Office MoEF&CC annually.		
7	Water Quality Monitoring and Preservation	Industrial wastewater (workshop and wastewater from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.	Complied	<ul style="list-style-type: none"> • There is no industrial wastewater generated from the Mine operation. • However, wastewater generated from workshop, quality is being tested by NABL lab and analysis report for the period October-2023 March-2024 is enclosed as <u>Annexure-5</u>.
8	Water Quality Monitoring and Preservation	The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&CC and State Pollution Control Board/Committee.	Complied	Annual Water Audit conducted by the NPC and measures have been taken to reduce the water consumption as per the recommendations. Annual water audit report for the FY 2021-22 was submitted along with EC compliance report on 25/05/2022.
IV	Noise And Vibration Monitoring And Prevention			
1	Noise And Vibration Monitoring and Prevention	The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.	Complied	<ul style="list-style-type: none"> • Blasting operation is being carried out in daytime only. Use of Sequential blasting machine (SBM), Delay detonator, non-electric detonator for blasting and to mitigate vibration. Water injection system on DTH drill has been provided which suppresses dust at its source of generation. • Nearest habitation villages Maliakhera and Pipliya-Gadia are at 350m distance. Maximum peak partial velocity was observed 2.666 mm/sec at 300 m distance for the period October-2023 to March-2024 • Detail peak particle velocity/vibration monitoring report is enclosed as <u>Annexure-6</u>.
2	Noise And Vibration Monitoring and Prevention	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent 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	Complied	<ul style="list-style-type: none"> • Unit is maintaining the illumination and noise level well within permissible limits during day and night hours. • Detail ambient noise level monitoring report for the period October-2023 to March-2024 are enclosed as <u>Annexure-7</u>.

		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.										
3	Noise And Vibration Monitoring and 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.	Complied	<ul style="list-style-type: none"> Regular maintenance (including cabin) of HEMM is being done to keep noise level well within the specified limits. Workers engaged in the operation of HEMM etc. are provided ear plugs. Onsite toolbox talk is being conducted on daily basis and imparted the periodical training for all employee & workmen. 								
V Mining Plan												
1	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 waste, over burden, inter burden and top soil. No change in basic mining proposal like mining technology. total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B. & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not be carried out without prior approval of the ministry of Environment, 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.	Complied	<ul style="list-style-type: none"> Method of mining is fully mechanized opencast mine using wet drilling and control blasting. All mining activities are being carried out as per the approved mining plan. Detail of total excavation Million TPA during FY 2023-24 <table border="1" data-bbox="1159 995 1986 1138"> <thead> <tr> <th>Limestone</th> <th>IB/Screen reject/Waste</th> <th>Sub Grade (Mineral Reject)</th> <th>Top Soil</th> </tr> </thead> <tbody> <tr> <td>5.23290862</td> <td>0.053354</td> <td>0.208858</td> <td>0.028640</td> </tr> </tbody> </table>	Limestone	IB/Screen reject/Waste	Sub Grade (Mineral Reject)	Top Soil	5.23290862	0.053354	0.208858	0.028640
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2	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.	Yet to be Complied	Unit will be submitted the final mine closure plan within due course of time.
3	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 the 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.	Complied	There is no back filling proposed in the approved mining plan.
VI	Land Reclamation			
1	Land Reclamation	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	Complied	Topsoil generation quantity from mining operation in the FY: 2023-24 is 28,640 ton, if it is generated so It is being used for plantation purpose.

		dumps. The top soil shall be used for land reclamation and plantation.										
2	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.	Complied	<p>No inter-burden waste is generated.</p> <p>The quantity of sub grade mineral generated Million TPA in FY 2023-24 was 0.208858 MT and is stacked within ML area at earmarked site. The total area occupied by stacking of sub grade material is 7.328 ha. till the time.</p> <p>Dimension of Sub grade mineral stacked in meters:</p> <table border="1" data-bbox="1184 459 1959 532"> <thead> <tr> <th>No. of Dump</th> <th>Length</th> <th>Width</th> <th>Height</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>422</td> <td>260</td> <td>13</td> </tr> </tbody> </table>	No. of Dump	Length	Width	Height	1	422	260	13
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3	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.	Complied	Agreed, reclamation of waste dump will be done as per the approved mining plan cum progressive mine closure plan.								
4	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.	Complied	<ul style="list-style-type: none"> Garland drains with siltation pond have been provided all around the dump. Sub grade limestone is being stacked in the non-mineralized area for future use, if any technological up gradation takes place. 								
5	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.	Complied	Agreed. Presently, dump height is less than 10 m for sub-grade mineral.								
6	Land Reclamation	Catch drains, settling tanks and siltation ponds of appropriate size shall be constructed around	Complied	To collect run off water from subgrade dump, garland drain, and siltation pit has been constructed.								

		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>Details are given below:</p> <table border="1"> <thead> <tr> <th>Catch drain / Garland drain</th> <th>Dimensions</th> </tr> </thead> <tbody> <tr> <td>West side of mine pit</td> <td>Length -- 1446 m, Width -- 1.5 m Depth -- 1.0 m</td> </tr> <tr> <td>Around Subgrade dump</td> <td>Length -- 677 m Width -- 1.0 m Depth -- 1.0 m</td> </tr> </tbody> </table> <p>Constructed three siltation pit with dimension as given below: -</p> <table border="1"> <thead> <tr> <th>S. N.</th> <th>Length (M)</th> <th>Width (M)</th> <th>Depth (M)</th> <th>Capacity (M3)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>15</td> <td>14</td> <td>2.45</td> <td>514.5</td> </tr> <tr> <td>2.</td> <td>20</td> <td>17</td> <td>2.2</td> <td>748</td> </tr> <tr> <td>3.</td> <td>17.40</td> <td>15.5</td> <td>1.30</td> <td>350.61</td> </tr> <tr> <td colspan="4">Total</td> <td>1613.11</td> </tr> </tbody> </table>	Catch drain / Garland drain	Dimensions	West side of mine pit	Length -- 1446 m, Width -- 1.5 m Depth -- 1.0 m	Around Subgrade dump	Length -- 677 m Width -- 1.0 m Depth -- 1.0 m	S. N.	Length (M)	Width (M)	Depth (M)	Capacity (M3)	1	15	14	2.45	514.5	2.	20	17	2.2	748	3.	17.40	15.5	1.30	350.61	Total				1613.11
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7	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.	Complied	<p>Total rainfall in single day (considering 50 mm maximum rainfall): -</p> <ol style="list-style-type: none"> Total rainwater would be available= Subgrade dump (area) X rainfall (m) X Runoff coefficient (20%) - $67100 \text{ m}^2 \times 0.05 \text{ m} \times 0.20 = 671 \text{ m}^3$ and considering 50% safety margin then total capacity of siltation pond should be 1342 m^3. Soil stack (area) X rainfall (m) X Runoff coefficient (20%) - $8590 \text{ m}^2 \times 0.05 \text{ m} \times 0.20 = 85.9 \text{ m}^3$ and considering 50% safety margin then total capacity of siltation pond should be 171.8 m^3. Total rainwater collection capacity of siltation pit requires = $1342 \text{ m}^3 + 171.8 \text{ m}^3 = 1513.8 \text{ m}^3$. The storm water is being collected to garland drain from the periphery of the pit area and waste dump area routed to siltation pond. The collected water is being used for plantation and water sprinkling on haul road. Dimensions of the rainwater siltation pits developed in mines area for sedimentation purpose as given below: - <table border="1"> <thead> <tr> <th>S. N.</th> <th>Length (M)</th> <th>Width (M)</th> <th>Depth (M)</th> <th>Capacity (M3)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>15</td> <td>14</td> <td>2.45</td> <td>514.5</td> </tr> <tr> <td>2.</td> <td>20</td> <td>17</td> <td>2.2</td> <td>748</td> </tr> <tr> <td>3.</td> <td>17.40</td> <td>15.5</td> <td>1.30</td> <td>350.61</td> </tr> <tr> <td colspan="4">Total</td> <td>1613.11</td> </tr> </tbody> </table>	S. N.	Length (M)	Width (M)	Depth (M)	Capacity (M3)	1	15	14	2.45	514.5	2.	20	17	2.2	748	3.	17.40	15.5	1.30	350.61	Total				1613.11						
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8	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	Complied	Topsoil generated during mining operation in FY: 2023-24 till March is 28640 ton , if any it's stored at earmarked sites within the mine lease only and same is being used for plantation purpose.																															

		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.		
VII	Transportation			
1	Transportation	No transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. In such cases, PP shall construct a 'bypass' road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt. Department. Transportation of minerals through road movement in case of existing village/rural roads shall be allowed in consultation with nodal state govt. department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centers.	Complied	<ul style="list-style-type: none"> • Blast limestone from mine pit head to existing crusher is being transported through heavy vehicle, where haul road with proper water spray facility has been provided. There is no village road used for the same. • From Crusher to own cement plant, crushed limestone transported through OLBC belt conveyor. • PUC has been obtained for all company vehicles from authorized pollution testing centers and allowed PUC certified vehicles only to control the vehicular emissions, regularly monitored.
2	Transportation	The main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression.	Complied	<ul style="list-style-type: none"> • Unit has deployed two nos. of mobile water tankers of 18 KL & 10 KL capacity, respectively for regular water sprinkling on the haul roads to

		<p>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>prevent dust generation during transportation of limestone through dumpers.</p> <ul style="list-style-type: none"> Water tankers have also been equipped with high pressure jet system to wet the blasted muck for suppression the fugitive dust emission during loading activity. Unit has implemented the permanent water sprinklers on ramp of crusher. 																				
VIII Green Belt																								
1	Green Belt	<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>	Complied	<p>Details of plantation are: -</p> <table border="1"> <thead> <tr> <th>Location of plantation</th> <th>Total Area</th> <th>Total Plantation Up to March 2024</th> <th>Total Plantation in nos. FY-2023-2024</th> <th>Remark</th> </tr> </thead> <tbody> <tr> <td>Periphery area (Safety Zone)</td> <td>6.128 ha</td> <td>3.23ha covered with 8074 nos</td> <td>0.06 ha. Covered with 150 saplings.</td> <td>Remaining Periphery plantation area 2.898 ha to be done in phase manner.</td> </tr> <tr> <td>Non mineral area/ Village Road/ Avenue Plantation</td> <td></td> <td>Cumulative within lease – 35.495 ha. with 78865 nos. of saplings. Cumulative outside lease – 5.72 ha. with 13779 nos. of saplings.</td> <td>During 2023-24 up to March-24 within lease – 2.34 ha. with 8721 nos. of saplings.</td> <td>Plantation is done in F.Y. 2023-24.</td> </tr> <tr> <td>Total Area</td> <td></td> <td>44.445 ha (100718 sapling)</td> <td>2.40 ha (8871 saplings)</td> <td></td> </tr> </tbody> </table>	Location of plantation	Total Area	Total Plantation Up to March 2024	Total Plantation in nos. FY-2023-2024	Remark	Periphery area (Safety Zone)	6.128 ha	3.23ha covered with 8074 nos	0.06 ha. Covered with 150 saplings.	Remaining Periphery plantation area 2.898 ha to be done in phase manner.	Non mineral area/ Village Road/ Avenue Plantation		Cumulative within lease – 35.495 ha. with 78865 nos. of saplings. Cumulative outside lease – 5.72 ha. with 13779 nos. of saplings.	During 2023-24 up to March-24 within lease – 2.34 ha. with 8721 nos. of saplings.	Plantation is done in F.Y. 2023-24.	Total Area		44.445 ha (100718 sapling)	2.40 ha (8871 saplings)	
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2	Green Belt	<p>The project proponent shall carryout plantation / afforestation in backfilled and reclaimed area</p>	Complied	<p>There is no proposal of backfilling as per approved mining plan.</p>																				

		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.		
3	Green Belt	The project proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease area. The development of such grazing land shall be done in consultation with the state government, in this regard Project proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The Sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded / protected against felling and plantation of such trees should be promoted.	Complied	<ul style="list-style-type: none"> • The mining lease was executed on 13.12.1984. At the time of renewal of Mine lease, the Department of Mines and Geology corrected the error of Mining lease area by reducing from 320 Ha to 315.409 Ha. through digital demarcation having 77 Ha. Grazing land. The orders of Hon'ble Supreme Court 2006 are not applicable as the lease was allocated prior to 2006. • Permission for working on grazing land has been granted by District Authorities vide District Collectors letter No. Rajasva/ Khanan/NOC/12-12(41)03/1799 dated 12.10.2006, Rajasva/Khanan/NOC/12-12(40)03/1800 dated 12.10.2006 and vide letter No.: Prakaran No./Re.Vi./4/88 dated 10.05.1989.
4	Green Belt	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.	Complied	<p>Combined WLCP has been prepared for 5 Nos. of captive Limestone Mines and 2 Nos. of Integrated Cement Plant of J K Cement Ltd are situated within 10 Km radius in Tehsil Nimbahera, Chittorgarh District.</p> <p>Wildlife Conservation Plan (WCP) has been prepared for 6 Schedule-I Species found in the buffer area during the survey i.e.: -</p> <ol style="list-style-type: none"> a) Pavocristatus (Indian Peafowl), b) Pantherapadusfusca (Indian Leopard), c) Prionailurusrubiginosus (Rusty-Spotted Cat), d) Canis lupus pallipes (Indian Wolf), e) Varanusbengalensis (Indian Monitor Lizard)

				f) Gyps indicus/Gyps bengalensis (Indian Vulture) Wild life 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 and accordingly 20% amount of Rs. 57.07 Lakh deposited to DFO - Chittorgarh against the total amount of WCP of Rs. 285.30/- Cr in July-2021.										
5	Green Belt	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.	Complied	Wildlife conservation plan prepared in the consultation of DFO and implementation will also be done according to approved wildlife conservation plan. Annual status will be submitted after final approval of WCP.										
IX	Public Hearing And Human Health Issues													
1	Public Hearing and Human Health Issues	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 carry out 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.	Complied	<ul style="list-style-type: none"> Periodical medical examination of workmen is being carried out. Details of medical examination carried out for the period: October-23 to March-24 is given below and report is enclosed as Annexure-8. <table border="1"> <thead> <tr> <th>Particular</th> <th>Medical Exam. Carried out (in Nos.)</th> </tr> </thead> <tbody> <tr> <td>No. of persons examined</td> <td>03</td> </tr> <tr> <td>Initial Medical Examination</td> <td>03</td> </tr> <tr> <td>Periodical Medical Examination</td> <td>0</td> </tr> <tr> <td>Disease observed</td> <td>NIL</td> </tr> </tbody> </table>	Particular	Medical Exam. Carried out (in Nos.)	No. of persons examined	03	Initial Medical Examination	03	Periodical Medical Examination	0	Disease observed	NIL
Particular	Medical Exam. Carried out (in Nos.)													
No. of persons examined	03													
Initial Medical Examination	03													
Periodical Medical Examination	0													
Disease observed	NIL													
2	Public Hearing and Human Health Issues	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	Complied	<ul style="list-style-type: none"> Company has "Zero Harm Goal Policy" and periodically identified the hazards and preventive action are being taken. The best practices have been implemented to maintain vibration, fly rocks, dust emission, noise level and all parameters are well within the limit. Mobile medical check-up camps are being organized at all nearby villages for treatment and medicine free of cost. 										

		<p>of the I-IRA. The I-IRA for neighborhood has to focus on Public Health Problems like Malaria, Tuberculosis, HIV, Anaemia, Diarrhoea in children under five, respiratory infections due to biomass 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>		
3	Public Hearing and Human Health Issues	<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</p>	Complied	Pre-employment medical check-up are being carried out considering the parameter as per DGMS.

		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).		
4	Public Hearing and Human Health Issues	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.	Complied	Unit is maintaining record of performance indicators for workers. There is no any abnormality has reported till date, therefore no any relief and compensation required to paid to the workers.
5	Public Hearing and Human Health Issues	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.	Complied	PPE's have been provided and used by the persons engaged in drilling, dozing and loading. VT is being provided as under required VT Rules.
6	Public Hearing and Human Health Issues	Project Proponent shall make provision for the housing for workers/labors or shall construct labor camps within/outside (company owned land) with necessary basic	Complied	<ul style="list-style-type: none"> • All workers engaged belong to local area and they are living in their own houses, therefore temporary structure/ hutment is not required. • Employees are residing in colony situated at J K Cement Works, Nimbahera (Cement Plant), where all basic facilities are available.

		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 wastewater should be treated with STP in order to avoid contamination of underground water.		<ul style="list-style-type: none"> There is no temporary structure/hutment has been constructed.
7	Public Hearing and Human Health Issues	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.	Complied	Details of PH issue addressed are given in above in point no. 9.
X	Corporate Environment Responsibility (CER)			
1	Corporate Environment Responsibility	The activities and budget earmarked for Corporate Environmental Responsibility (CER) as per Ministry's O. 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.	Complied	Activities proposed for CER are being implemented in a time bound manner and annual report of implementation of the same has been submitted to Regional Office MoEF&CC.
2	Corporate Environment Responsibility	Project Proponent shall keep the funds earmarked for environmental protection measures in a separate account and refrain	Complied	<ul style="list-style-type: none"> Complying with

		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.		
XI	Miscellaneous			
1	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.	Complied	Last digital map for land use cover report has been submitted on 02.03.2020 and for next period it will be submitted before 01.03.2025.
2	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.	Complied	This is the existing captive limestone mine and Project cost after expansion is 87.70 Crores.
3	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.	Complied	Latest six-monthly compliance reports on the status of the implementation of the stipulated environmental conditions has been submitted to the MoEF&CC, CPCB and RSPCB through email on 23.05.2023 vide our letter No.: NBH/PC-14/C12 dated 22.05.2023.
4	Miscellaneous	A separate 'Environmental Management Cell' with suitable qualified manpower should be set-up under the control of a Senior Executive. The Senior Executive shall directly report to Head of the Organization. Adequate number of qualified Environmental Scientists and Mining Engineers shall be appointed and submit a report to RO, MoEF&CC.	Complied	A separate environmental management cell with qualified personnel is already established and has sufficient monitoring equipment's in environmental laboratory.
5	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	Complied	Agreed, unit will extend full cooperation to the MoEF&CC officer(s) by furnishing the requisite data / information / monitoring reports.

		officer(s) by furnishing the requisite data / information / monitoring reports.		
24	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.	Complied	Noted & agreed.
25	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.	Complied	Noted & agreed.
26	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.	Complied	Noted & agreed.
27	Miscellaneous	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Complied	Noted & agreed.
28	Miscellaneous	This issues with the approval of competent Authority.	Complied	Noted

Yours Sincerely,
For J. K. Cement Works, Nimbahera
(Maliakhera Limestone Mines)

J.K. Cement Works, Nimbahera (RAJ)
MALIAKHERA LIMESTONE MINE
MONTHLY AVERAGE AMBIENT AIR QUALITY REPORT
October'2023 to March'2024

Annexure-01

AMBIENT AIR QUALITY RESULTS : (ALL VALUES IN $\mu\text{g}/\text{M}^3$)

Month	Near Mine Office					Near Ravana Office				
	PM10	PM2.5	SO ₂	Nox	CO	PM10	PM2.5	SO ₂	Nox	CO
Oct-23	64.2	36.1	6.9	14.9	487	57.8	26.1	5.0	17.9	493
Nov-23	66.1	37.7	10.2	15.5	481	71.5	32.2	11.0	18.3	498
Dec-23	64.5	21.1	8.4	18.1	418	59.5	25.5	8.7	21.4	584
Jan-24	68.1	25.4	5.2	20.0	390	62.1	20.2	4.3	20.1	366
Feb-24	65.2	24.2	6.8	16.8	431	64.0	25.2	5.1	22.3	345
Mar-24	77.3	36.1	7.2	15.2	408	66.3	23.1	4.1	26.6	433
AVERAGE	67.6	30.1	7.4	16.7	435.9	63.5	25.4	6.4	21.1	453.2



TEST REPORT

1. **Name of Customer** : Maliakhhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. **Purchase Order Number** : 4600093209 Dated:- 13.06.2023
3. **Date & Time of Monitoring** : 03.11.2023/12:05PM
4. **Sample Identification** : Air Sample
5. **Condition of Sample** : Sealed/Ok
6. **Sample Received On** : 09.11.2023
7. **Period of Analysis** : 09.11.2023 to 21.11.2023
8. **Name of Location** : Pipaliya Gadia village
9. **Method of Sampling** : IS: 5182(Part 23,2,6) & Instrument Manual

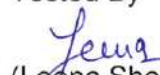
S. No	Monitoring Details	Unit	Results
1.	Duration of Survey	Minutes	1429.6
2.	Average Flow rate for PM ₁₀	M ³ / Min	1.175
3.	Ambient Temperature	°C	29
4.	Relative Humidity	%	35

Results Ambient Air Quality

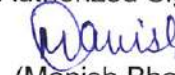
S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 th Nov. 2009
Chemical Testing - Atmospheric Pollution - Ambient Air					
1.	PM ₁₀	IS:5182 (Part-23)	µg/m ³	55.80	100
2.	PM _{2.5}	WIL/SOP No. 10/25 Issue date 01.05.2019	µg/m ³	26.13	60
3.	SO ₂	IS:5182 (Part-2)	µg/m ³	BDL(<6)	80
4.	NO ₂	IS:5182 (Part-6)	µg/m ³	9.44	80

BDL- Below Detection Limit

Tested By


(Leena Sharma)
Chemist

Authorized Signatory


(Manish Bhagora)
Chemist

Note

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





Report No. 20231109044/B

Report Issue Date: - 22.11.2023

TEST REPORT


- | | | |
|------------------------------|---|---|
| 1. Name of Customer | : | Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA), |
| 2. Purchase Order Number | : | 4600093209 Dated:- 13.06.2023 |
| 3. Date & Time of Monitoring | : | 03.11.2023/12:05PM |
| 4. Sample Identification | : | Air Sample |
| 5. Condition of Sample | : | Sealed/Ok |
| 6. Sample Received On | : | 09.11.2023 |
| 7. Period of Analysis | : | 09.11.2023 to 21.11.2023 |
| 8. Name of Location | : | Pipaliya Gadia village |
| 9. Method of Sampling | : | Instrument Manual |

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	29
2.	Relative Humidity	%	35


Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 th Nov. 2009
Chemical Testing - Atmospheric Pollution - Ambient Air					
1.	CO	BY CO Meter	mg/m ³	0.27	04 (1 hour)

Tested By


(Leena Sharma)
Chemist

Authorized Signatory


(Manish Bhagora)
Chemist



Note

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Page 1 of 1
__End of Report__

Registered & Corporate Office :

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

CIN- U29299RJ1971PLC001379



OHSAS
Certificate No.
01130126322



TEST REPORT

1. **Name of Customer** : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. **Purchase Order Number** : 4600093209 Dated:- 13.06.2023
3. **Date & Time of Monitoring** : 02.11.2023/12:25PM
4. **Sample Identification** : Air Sample
5. **Condition of Sample** : Sealed/Ok
6. **Sample Received On** : 09.11.2023
7. **Period of Analysis** : 09.11.2023 to 21.11.2023
8. **Name of Location** : Maliakhera village
9. **Method of Sampling** : IS: 5182(Part 23,2,6) & Instrument Manual

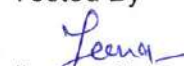
S. No	Monitoring Details	Unit	Results
1.	Duration of Survey	Minutes	1431.9
2.	Average Flow rate for PM ₁₀	M ³ / Min	1.15
3.	Ambient Temperature	°C	29.2
4.	Relative Humidity	%	35

Results Ambient Air Quality

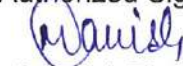
S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 th Nov. 2009
Chemical Testing - Atmospheric Pollution - Ambient Air					
1.	PM ₁₀	IS:5182 (Part-23)	µg/m ³	58.82	100
2.	PM _{2.5}	WIL/SOP No. 10/25 Issue date 01.05.2019	µg/m ³	31.55	60
3.	SO ₂	IS:5182 (Part-2)	µg/m ³	BDL(<6)	80
4.	NO ₂	IS:5182 (Part-6)	µg/m ³	8.95	80

BDL- Below Detection Limit

Tested By


(Leena Sharma)
Chemist

Authorized Signatory


(Manish Bhagora)
Chemist

Note

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Page 1 of 1
End of Report





Report No. 20231109045/B

Report Issue Date: - 22.11.2023

TEST REPORT

1. **Name of Customer** : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. **Purchase Order Number** : 4600093209 Dated:- 13.06.2023
3. **Date & Time of Monitoring** : 02.11.2023/12:25PM
4. **Sample Identification** : Air Sample
5. **Condition of Sample** : Sealed/Ok
6. **Sample Received On** : 09.11.2023
7. **Period of Analysis** : 09.11.2023 to 21.11.2023
8. **Name of Location** : Maliakhera village
9. **Method of Sampling** : IS: 5182(Part 11, 12) & Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	29.2
2.	Relative Humidity	%	35


Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 th Nov. 2009
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Chemical Testing - Atmospheric Pollution - Ambient Air

1.	CO	BY CO Meter	mg/m ³	0.29	04 (1 hour)
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Tested By


(Leena Sharma)
Chemist

Authorized Signatory


(Manish Bhagora)
Chemist

Note

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Page 1 of 1
End of Report



Registered & Corporate Office :

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

CIN- U29299RJ1971PLC001379



OHSAS
Certificate No.
01130126322

Our Commitment.. Your Trust



TEST REPORT

1. **Name of Customer** : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. **Purchase Order Number** : 4600093209 Dated:- 13.06.2023
3. **Date & Time of Monitoring** : 01.11.2023/12:10PM
4. **Sample Identification** : Air Sample
5. **Condition of Sample** : Sealed/OK
6. **Sample Received On** : 09.11.2023
7. **Period of Analysis** : 09.11.2023 to 21.11.2023
8. **Name of Location** : Near Mine Office (Maliakhera Mine)
9. **Method of Sampling** : IS: 5182(Part 23,2,6) & Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Duration of Survey	Minutes	1428.6
2.	Average Flow rate for PM ₁₀	M ³ / Min	1.175
3.	Ambient Temperature	°C	30.1
4.	Relative Humidity	%	37

Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 th Nov. 2009
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Chemical Testing - Atmospheric Pollution - Ambient Air

1.	PM ₁₀	IS:5182 (Part-23)	µg/m ³	63.16	100
2.	PM _{2.5}	WIL/SOP No. 10/25 Issue date 01.05.2019	µg/m ³	29.10	60
3.	SO ₂	IS:5182 (Part-2)	µg/m ³	BDL (<6)	80
4.	NO ₂	IS:5182 (Part-6)	µg/m ³	11.70	80

BDL- Below Detection Limit

Tested By

Leena
(Leena Sharma)
Chemist

Authorized Signatory

Manish
(Manish Bhagora)
Chemist

Note

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Page 1 of 1
End of Report





Report No. 20231109040/B

Report Issue Date: - 22.11.2023

TEST REPORT


1. **Name of Customer** : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. **Purchase Order Number** : 4600093209 Dated:- 13.06.2023
3. **Date & Time of Monitoring** : 01.11.2023/12:10PM
4. **Sample Identification** : Air Sample
5. **Condition of Sample** : Sealed/Ok
6. **Sample Received On** : 09.11.2023
7. **Period of Analysis** : 09.11.2023 to 21.11.2023
8. **Name of Location** : Near Mine Office (Maliakhera Mine)
9. **Method of Sampling** : Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	30.1
2.	Relative Humidity	%	37

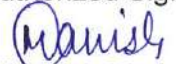
Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 th Nov. 2009
Chemical Testing - Atmospheric Pollution - Ambient Air					
1.	CO	BY CO Meter	mg/m ³	0.32	04 (1 hour)

Tested By


(Leena Sharma)
Chemist

Authorized Signatory


(Manish Bhagora)
Chemist

Note

1. Complaint Register is available in lab / Email ID lab.office@wolkem.com
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3. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
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5. Any discrepancy in test results should be reported within 15 days.



Page 1 of 1
End of Report





TEST REPORT

- 1. Name of Customer** : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
- 2. Purchase Order Number** : 4600093209 Dated:- 13.06.2023
- 3. Date & Time of Monitoring** : 01.11.2023/12:45PM
- 4. Sample Identification** : Air Sample
- 5. Condition of Sample** : Sealed/Ok
- 6. Sample Received On** : 09.11.2023
- 7. Period of Analysis** : 09.11.2023 to 21.11.2023
- 8. Name of Location** : Near Ravana Office (Maliakhera Mine)
- 9. Method of Sampling** : IS: 5182(Part 23,2,6) & Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Duration of Survey	Minutes	1430.5
2.	Average Flow rate for PM ₁₀	M ³ / Min	1.165
3.	Ambient Temperature	°C	30.3
4.	Relative Humidity	%	37

Results Ambient Air Quality

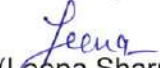
S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 th Nov. 2009
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Chemical Testing - Atmospheric Pollution - Ambient Air


1.	PM ₁₀	IS:5182 (Part-23)	µg/m ³	64.30	100
2.	PM _{2.5}	WIL/SOP No. 10/25 Issue date 01.05.2019	µg/m ³	29.90	60
3.	SO ₂	IS:5182 (Part-2)	µg/m ³	BDL(<6)	80
4.	NO ₂	IS:5182 (Part-6)	µg/m ³	13.04	80

BDL- Below Detection Limit

Tested By


(Leena Sharma)
Chemist

Authorized Signatory


(Manish Bhagora)
Chemist

Note

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Page 1 of 1
End of Report





Report No. 20231109041/B

Report Issue Date: - 22.11.2023

TEST REPORT

1. Name of Customer : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. Purchase Order Number : 4600093209 Dated:- 13.06.2023
3. Date & Time of Monitoring : 01.11.2023/12:45PM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 09.11.2023
7. Period of Analysis : 09.11.2023 to 21.11.2023
8. Name of Location : Near Ravana Office (Maliakhera Mine)
9. Method of Sampling : Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	30.3
2.	Relative Humidity	%	37

Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 th Nov. 2009
Chemical Testing - Atmospheric Pollution - Ambient Air					
1.	CO	BY CO Meter	mg/m ³	0.27	04 (1 hour)

Tested By

Leena
(Leena Sharma)
Chemist

Authorized Signatory

Manish
(Manish Bhagora)
Chemist

Note

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Page 1 of 1
End of Report

Registered & Corporate Office :

"Wolkem House", E-101, Mewar Industrial Area, Madri, Udaipur - 313003, Rajasthan-India

Phone : +91 294 2494600 - 02 E-mail : info@wolkem.com

CIN- U29299RJ1971PLC001379

Certificate No.
01130126322

Our Commitment.. Your Trust



TEST REPORT

1. **Name of Customer** : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. **Purchase Order Number** : 4600093209 Dated:- 13.06.2023
3. **Date & Time of Monitoring** : 06.02.2024/09:20AM
4. **Sample Identification** : Air Sample
5. **Condition of Sample** : Sealed/OK
6. **Sample Received On** : 12.02.2024
7. **Period of Analysis** : 12.02.2024 to 24.02.2024
8. **Name of Location** : Near Mine Office (Maliakhera Mine)
9. **Method of Sampling** : IS: 5182(Part 23,2,6) & Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Duration of Survey	Minutes	1433.3
2.	Average Flow rate for PM ₁₀	M ³ / Min	1.145
3.	Ambient Temperature	°C	19.9
4.	Relative Humidity	%	44

Results Ambient Air Quality

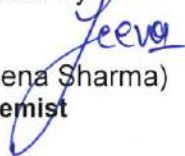
S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 th Nov. 2009
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Chemical Testing - Atmospheric Pollution - Ambient Air

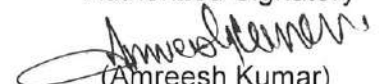
1.	PM ₁₀	IS:5182 (Part-23)	µg/m ³	64.11	100
2.	PM _{2.5}	WIL/SOP No. 10/25 Issue date 01.05.2019	µg/m ³	32.27	60
3.	SO ₂	IS:5182 (Part-2)	µg/m ³	BDL(<6)	80
4.	NO ₂	IS:5182 (Part-6)	µg/m ³	10.35	80

BDL- Below Detection Limit

Tested By


(Leena Sharma)
Chemist

Authorized Signatory


(Amreesh Kumar)
Head & Dy. GM

Note

- Complaint Register is available in lab / Email ID amrish.malik@wolkem.com
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Page 1 of 1
End of Report





Report No. 20240212016/B

Report Issue Date: - 26.02.2024

TEST REPORT

1. **Name of Customer** : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. **Purchase Order Number** : 4600093209 Dated:- 13.06.2023
3. **Date & Time of Monitoring** : 06.02.2024/09:20AM
4. **Sample Identification** : Air Sample
5. **Condition of Sample** : Sealed/Ok
6. **Sample Received On** : 12.02.2024
7. **Period of Analysis** : 12.02.2024 to 24.02.2024
8. **Name of Location** : Near Mine Office (Maliakhera Mine)
9. **Method of Sampling** : Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	19.9
2.	Relative Humidity	%	44


Results Ambient Air Quality

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

Tested By


(Leena Sharma)
Chemist

Authorized Signatory


(Amreesh Kumar)
Head & Dy. GM

Note

1. Complaint Register is available in lab / Email ID amrish.malik@wolkem.com
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Page 1 of 1
End of Report





Report No. 20240212017/A

Report Issue Date: - 26.02.2024

TEST REPORT

1. **Name of Customer** : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. **Purchase Order Number** : 4600093209 Dated:- 13.06.2023
3. **Date & Time of Monitoring** : 06.02.2024/09:40AM
4. **Sample Identification** : Air Sample
5. **Condition of Sample** : Sealed/Ok
6. **Sample Received On** : 12.02.2024
7. **Period of Analysis** : 12.02.2024 to 24.02.2024
8. **Name of Location** : Near Ravana Office (Maliakhera Mine)
9. **Method of Sampling** : IS: 5182(Part 23,2,6) & Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Duration of Survey	Minutes	1433.6
2.	Average Flow rate for PM ₁₀	M ³ / Min	1.155
3.	Ambient Temperature	°C	20.3
4.	Relative Humidity	%	47

Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 th Nov. 2009
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Chemical Testing - Atmospheric Pollution - Ambient Air


1.	PM ₁₀	IS:5182 (Part-23)	µg/m ³	63.48	100
2.	PM _{2.5}	WIL/SOP No. 10/25 Issue date 01.05.2019	µg/m ³	31.84	60
3.	SO ₂	IS:5182 (Part-2)	µg/m ³	BDL(<6)	80
4.	NO ₂	IS:5182 (Part-6)	µg/m ³	12.43	80

BDL- Below Detection Limit

Tested By


(Leena Sharma)
Chemist

Authorized Signatory


(Amreesh Kumar)
Head & Dy. GM

Note

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End of Report





Report No. 20240212017/B

Report Issue Date: - 26.02.2024

TEST REPORT

- 1. Name of Customer** : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
- 2. Purchase Order Number** : 4600093209 Dated:- 13.06.2023
- 3. Date & Time of Monitoring** : 06.02.2024/09:40AM
- 4. Sample Identification** : Air Sample
- 5. Condition of Sample** : Sealed/Ok
- 6. Sample Received On** : 12.02.2024
- 7. Period of Analysis** : 12.02.2024 to 24.02.2024
- 8. Name of Location** : Near Ravana Office (Maliakhera Mine)
- 9. Method of Sampling** : Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	20.3
2.	Relative Humidity	%	47

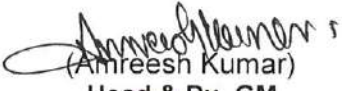
Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 th Nov. 2009
Chemical Testing - Atmospheric Pollution - Ambient Air					
1.	CO	BY CO Meter	mg/m ³	0.35	04 (1 hour)

Tested By


(Leena Sharma)
Chemist

Authorized Signatory


(Amreesh Kumar)
Head & Dy. GM



Note

1. Complaint Register is available in lab / Email ID amrish.malik@wolkem.com
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Page 1 of 1
__End of Report__



Report No. 20240212020/A

Report Issue Date: - 26.02.2024

TEST REPORT

- 1. Name of Customer** : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
- 2. Purchase Order Number** : 4600093209 Dated:- 13.06.2023
- 3. Date & Time of Monitoring** : 06.02.2024/10:55AM
- 4. Sample Identification** : Air Sample
- 5. Condition of Sample** : Sealed/Ok
- 6. Sample Received On** : 12.02.2024
- 7. Period of Analysis** : 12.02.2024 to 24.02.2024
- 8. Name of Location** : Pipaliya Gadia village
- 9. Method of Sampling** : IS: 5182(Part 23,2,6) & Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Duration of Survey	Minutes	1435.5
2.	Average Flow rate for PM ₁₀	M ³ / Min	1.125
3.	Ambient Temperature	°C	20.4
4.	Relative Humidity	%	50

Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 th Nov. 2009
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Chemical Testing - Atmospheric Pollution - Ambient Air


1.	PM ₁₀	IS:5182 (Part-23)	µg/m ³	52.47	100
2.	PM _{2.5}	WIL/SOP No. 10/25 Issue date 01.05.2019	µg/m ³	27.30	60
3.	SO ₂	IS:5182 (Part-2)	µg/m ³	BDL(<6)	80
4.	NO ₂	IS:5182 (Part-6)	µg/m ³	8.97	80

BDL- Below Detection Limit

Tested By


(Leena Sharma)
Chemist

Authorized Signatory


(Amreesh Kumar)
Head & Dy. GM



Note

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Report No. 20240212020/B

Report Issue Date: - 26.02.2024

TEST REPORT

1. **Name of Customer** : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. **Purchase Order Number** : 4600093209 Dated:- 13.06.2023
3. **Date & Time of Monitoring** : 06.02.2024/10:55AM
4. **Sample Identification** : Air Sample
5. **Condition of Sample** : Sealed/Ok
6. **Sample Received On** : 12.02.2024
7. **Period of Analysis** : 12.02.2024 to 24.02.2024
8. **Name of Location** : Pipaliya Gadia village
9. **Method of Sampling** : Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	20.4
2.	Relative Humidity	%	50

Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 th Nov. 2009
Chemical Testing - Atmospheric Pollution - Ambient Air					
1.	CO	BY CO Meter	mg/m ³	0.31	04 (1 hour)

Tested By


(Leena Sharma)
Chemist

Authorized Signatory


(Amresh Kumar)
Head & Dy. GM

Note

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Page 1 of 1
End of Report



TEST REPORT

1. **Name of Customer** : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. **Purchase Order Number** : 4600093209 Dated:- 13.06.2023
3. **Date & Time of Monitoring** : 06.02.2024/11:20AM
4. **Sample Identification** : Air Sample
5. **Condition of Sample** : Sealed/Ok
6. **Sample Received On** : 12.02.2024
7. **Period of Analysis** : 12.02.2024 to 24.02.2024
8. **Name of Location** : Maliakhera village
9. **Method of Sampling** : IS: 5182(Part 23,2,6) & Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Duration of Survey	Minutes	1438
2.	Average Flow rate for PM ₁₀	M ³ / Min	1.155
3.	Ambient Temperature	°C	20.4
4.	Relative Humidity	%	49

Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 th Nov. 2009
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Chemical Testing - Atmospheric Pollution - Ambient Air

1.	PM ₁₀	IS:5182 (Part-23)	µg/m ³	54.43	100
2.	PM _{2.5}	WIL/SOP No. 10/25 Issue date 01.05.2019	µg/m ³	27.26	60
3.	SO ₂	IS:5182 (Part-2)	µg/m ³	BDL(<6)	80
4.	NO ₂	IS:5182 (Part-6)	µg/m ³	8.04	80

BDL- Below Detection Limit

Tested By


(Leena Sharma)
Chemist

Authorized Signatory


(Amreesh Kumar)
Head & Dy. GM

Note

1. **Complaint Register is available in lab / Email ID** amrish.malik@wolkem.com
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Page 1 of 1
End of Report



**TEST REPORT**

1. **Name of Customer** : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. **Purchase Order Number** : 4600093209 Dated:- 13.06.2023
3. **Date & Time of Monitoring** : 06.02.2024/11:20AM
4. **Sample Identification** : Air Sample
5. **Condition of Sample** : Sealed/Ok
6. **Sample Received On** : 12.02.2024
7. **Period of Analysis** : 12.02.2024 to 24.02.2024
8. **Name of Location** : Maliakhera village
9. **Method of Sampling** : IS: 5182(Part 11, 12) & Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	20.4
2.	Relative Humidity	%	49

Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 th Nov. 2009
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Chemical Testing - Atmospheric Pollution - Ambient Air

1.	CO	BY CO Meter	mg/m ³	0.32	04 (1 hour)
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Tested By


(Leena Sharma)
Chemist

Authorized Signatory


(Amreesh Kumar)
Head & Dy. GM

Note

1. Complaint Register is available in lab / Email ID amrisha.malik@wolkem.com
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Page 1 of 1
__End of Report__



J.K. Cement WORKS, NIMBAHERA (RAJ)
MALIAKHERA LIMESTONE MINE
MONTHLY AVERAGE OF FUGITIVE DUST MONITORING REPORT
October'2023 to March'2024

Annexure-02

(ALL VALUES IN $\mu\text{g}/\text{M}^3$)

Month	3 to10 Meter Distance From Drilling Operation				Near loading point			
	SPM	SO ₂	NO _x	CO	SPM	SO ₂	NO _x	CO
Oct-23	403	15.5	486.9	486.9	348.0	6.0	24.2	406.7
Nov-23	380	27.4	567.1	567.1	383.0	4.7	23.5	532.7
Dec-23	371	17.5	481.2	481.2	346.0	7.3	19.6	504.1
Jan-24	411	6.1	20.8	502.0	369.0	5.4	25.1	387.0
Feb-24	384	7.1	15.8	466.0	377.0	3.8	20.2	345.0
Mar-24	394	9.6	19.6	490.0	342.0	6.3	18.4	339.0
AVERAGE	390.50	13.86	265.22	498.85	360.83	5.57	21.83	419.08



Report No. 20231109042/A

Report Issue Date: - 22.11.2023

TEST REPORT

1. **Name of Customer** : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. **Purchase Order Number** : 4600093209 Dated:- 13.06.2023
3. **Date & Time of Monitoring** : 01.11.2023/01:15PM
4. **Sample Identification** : Air Sample
5. **Condition of Sample** : Sealed/OK
6. **Sample Received On** : 09.11.2023
7. **Period of Analysis** : 09.11.2023 to 21.11.2023
8. **Name of Location** : 3-10 meter distance from drilling point of
Maliakhera Mine
9. **Method of Sampling** : IS: 5182(Part 2,6,4) & Instrument Manual

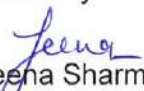
S. No	Monitoring Details	Unit	Results
1.	Duration of Survey	Minutes	1425.9
2.	Average Flow rate for PM ₁₀	M ³ / Min	1.175
3.	Ambient Temperature	°C	30.4
4.	Relative Humidity	%	38

Results Ambient Air Quality


S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 th Nov. 2009
Chemical Testing - Atmospheric Pollution - Ambient Air					
1.	SO ₂	IS:5182 (Part-2)	µg/m ³	BDL(<6)	80
2.	NO ₂	IS:5182 (Part-6)	µg/m ³	13.39	80
3.	SPM	IS:5182 (Part-4)	µg/m ³	405.18	600

BDL- Below Detection Limit

Tested By


(Leena Sharma)
Chemist

Authorized Signatory


(Manish Bhagora)
Chemist

Note

1. Complaint Register is available in lab / Email ID lab.office@wolkem.com
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3. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
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Page 1 of 1
End of Report





Report No. 20231109042/B

Report Issue Date: - 22.11.2023

TEST REPORT


1. **Name of Customer** : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. **Purchase Order Number** : 4600093209 Dated:- 13.06.2023
3. **Date & Time of Monitoring** : 01.11.2023/01:15PM
4. **Sample Identification** : Air Sample
5. **Condition of Sample** : Sealed/Ok
6. **Sample Received On** : 09.11.2023
7. **Period of Analysis** : 09.11.2023 to 21.11.2023
8. **Name of Location** : 3-10 meter distance from drilling point of
Maliakhera Mine
9. **Method of Sampling** : Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	30.4
2.	Relative Humidity	%	38


Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 th Nov. 2009
Chemical Testing - Atmospheric Pollution - Ambient Air					
1.	CO	BY CO Meter	mg/m ³	0.45	04 (1 hour)

Tested By


(Leena Sharma)
Chemist

Authorized Signatory


(Manish Bhagora)
Chemist

Note

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Page 1 of 1
End of Report





TEST REPORT

1. **Name of Customer** : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. **Purchase Order Number** : 4600093209 Dated:- 13.06.2023
3. **Date & Time of Monitoring** : 02.11.2023/11:30AM
4. **Sample Identification** : Air Sample
5. **Condition of Sample** : Sealed/Ok
6. **Sample Received On** : 09.11.2023
7. **Period of Analysis** : 09.11.2023 to 21.11.2023
8. **Name of Location** : Near Loading point of Maliakhera Mine
9. **Method of Sampling** : IS: 5182(Part 2, 6, 4) & Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Duration of Survey	Minutes	1433.3
2.	Average Flow rate for PM ₁₀	M ³ / Min	1.17
3.	Ambient Temperature	°C	28.8
4.	Relative Humidity	%	34

Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 th Nov. 2009
Chemical Testing - Atmospheric Pollution - Ambient Air					
1.	SO ₂	IS:5182 (Part-2)	µg/m ³	BDL(<6)	80
2.	NO ₂	IS:5182 (Part-6)	µg/m ³	14.29	80
3.	SPM	IS:5182 (Part-4)	µg/m ³	457.23	600

BDL- Below Detection Limit

Tested By

Leena
(Leena Sharma)
Chemist

Authorized Signatory

Manish
(Manish Bhagora)
Chemist

Note

1. **Complaint Register is available in lab / Email ID** lab.office@wolkem.com
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Page 1 of 1
__End of Report__





Report No. 20231109043/B

Report Issue Date: - 22.11.2023

TEST REPORT

1. Name of Customer : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. Purchase Order Number : 4600093209 Dated:- 13.06.2023
3. Date & Time of Monitoring : 02.11.2023/11:30AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 09.11.2023
7. Period of Analysis : 09.11.2023 to 21.11.2023
8. Name of Location : Near Loading point of Maliakhera Mine
9. Method of Sampling : Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	28.8
2.	Relative Humidity	%	34

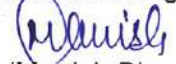
Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 th Nov. 2009
Chemical Testing - Atmospheric Pollution - Ambient Air					
1.	CO	BY CO Meter	mg/m ³	0.46	04 (1 hour)

Tested By


(Leena Sharma)
Chemist

Authorized Signatory


(Manish Bhagora)
Chemist

- Note**
1. Complaint Register is available in lab / Email ID lab.office@wolkem.com
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Page 1 of 1
End of Report





TEST REPORT

1. **Name of Customer** : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. **Purchase Order Number** : 4600093209 Dated:- 13.06.2023
3. **Date & Time of Monitoring** : 06.02.2024/10:10AM
4. **Sample Identification** : Air Sample
5. **Condition of Sample** : Sealed/Ok
6. **Sample Received On** : 12.02.2024
7. **Period of Analysis** : 12.02.2024 to 24.02.2024
8. **Name of Location** : 3-10 meter distance from drilling point of
Maliakhera Mine
9. **Method of Sampling** : IS: 5182(Part 2,6,4) & Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Duration of Survey	Minutes	1442.8
2.	Average Flow rate for PM ₁₀	M ³ / Min	1.18
3.	Ambient Temperature	°C	20.5
4.	Relative Humidity	%	48

Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 th Nov. 2009
Chemical Testing - Atmospheric Pollution - Ambient Air					
1.	SO ₂	IS:5182 (Part-2)	µg/m ³	BDL(<6)	80
2.	NO ₂	IS:5182 (Part-6)	µg/m ³	12.03	80
3.	SPM	IS:5182 (Part-4)	µg/m ³	381.7	600

BDL- Below Detection Limit

Tested By


(Leena Sharma)
Chemist

Authorized Signatory


(Amreesh Kumar)
Head & Dy. GM

Note

1. Complaint Register is available in lab / Email ID amrish.malik@wolkem.com
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Page 1 of 1

End of Report



**TEST REPORT**

1. **Name of Customer** : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. **Purchase Order Number** : 4600093209 Dated:- 13.06.2023
3. **Date & Time of Monitoring** : 06.02.2024/10:10AM
4. **Sample Identification** : Air Sample
5. **Condition of Sample** : Sealed/Ok
6. **Sample Received On** : 12.02.2024
7. **Period of Analysis** : 12.02.2024 to 24.02.2024
8. **Name of Location** : 3-10 meter distance from drilling point of
Maliakhera Mine
9. **Method of Sampling** : Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	20.5
2.	Relative Humidity	%	48


Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 th Nov. 2009
Chemical Testing - Atmospheric Pollution - Ambient Air					
1.	CO	BY CO Meter	mg/m ³	0.45	04 (1 hour)

Tested By


(Leena Sharma)
Chemist

Authorized Signatory


(Amreesh Kumar)
Head & Dy. GM

Note

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Page 1 of 1
__End of Report__



Report No. 20240212019/A

Report Issue Date: - 26.02.2024

TEST REPORT

1. **Name of Customer** : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. **Purchase Order Number** : 4600093209 Dated:- 13.06.2023
3. **Date & Time of Monitoring** : 06.02.2024/10:30AM
4. **Sample Identification** : Air Sample
5. **Condition of Sample** : Sealed/Ok
6. **Sample Received On** : 12.02.2024
7. **Period of Analysis** : 12.02.2024 to 24.02.2024
8. **Name of Location** : Near Loading point of Maliakhera Mine
9. **Method of Sampling** : IS: 5182(Part 2, 6, 4) & Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Duration of Survey	Minutes	1447.7
2.	Average Flow rate for PM ₁₀	M ³ / Min	1.11
3.	Ambient Temperature	°C	20.3
4.	Relative Humidity	%	48

Results Ambient Air Quality


S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 th Nov. 2009
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Chemical Testing - Atmospheric Pollution - Ambient Air

1.	SO ₂	IS:5182 (Part-2)	µg/m ³	BDL(<6)	80
2.	NO ₂	IS:5182 (Part-6)	µg/m ³	13.11	80
3.	SPM	IS:5182 (Part-4)	µg/m ³	433.7	600

BDL- Below Detection Limit

Tested By


(Leena Sharma)
Chemist

Authorized Signatory


(Amresh Kumar)
Head & Dy. GM

Note

- Complaint Register is available in lab / Email ID amrisha.malik@wolkem.com
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Page 1 of 1
End of Report



**TEST REPORT**

1. **Name of Customer** : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. **Purchase Order Number** : 4600093209 Dated:- 13.06.2023
3. **Date & Time of Monitoring** : 06.02.2024/10:30AM
4. **Sample Identification** : Air Sample
5. **Condition of Sample** : Sealed/Ok
6. **Sample Received On** : 12.02.2024
7. **Period of Analysis** : 12.02.2024 to 24.02.2024
8. **Name of Location** : Near Loading point of Maliakhera Mine
9. **Method of Sampling** : Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	20.3
2.	Relative Humidity	%	48

Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 th Nov. 2009
Chemical Testing - Atmospheric Pollution - Ambient Air					
1.	CO	BY CO Meter	mg/m ³	0.46	04 (1 hour)

Tested By


(Leena Sharma)
Chemist

Authorized Signatory


(Amresh Kumar)
Head & Dy. GM

Note

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Page 1 of 1
__End of Report__



JK Cement Works

Generated On 2024-05-31 16:59:57
Period 2023-10-01 00:00:00 - 2024-03-31 23:59:00
Sub Locations Telemetry BW_8 (Maliakhera Mine)

Generated By Sunil Singh
Facility Name JK Cement Works Facility
Parameters Water Level

S.No.	Time	Telemetry BW_8 (Maliakhera Mine) Water Level (m)(avg)
1	2023-10-01 00:00:00:000	17.27
2	2023-11-01 00:00:00:000	30.29
3	2023-12-01 00:00:00:000	27.96
4	2024-01-01 00:00:00:000	37.06
5	2024-02-01 00:00:00:000	45.93
6	2024-03-01 00:00:00:000	48.23



Report No. 20231104008

Report Issue Date: - 20.11.2023

TEST REPORT

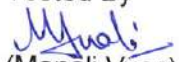
- 1. Name of Customer** : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
- 2. Purchase order Number** : 4600093209 Dated:- 13.06.2023
- 3. Sample Identification** : Ground water
- 4. Condition of Sample** : Sealed/Ok
- 5. Date & Time of Sampling** : 03.11.2023/10:30AM
- 6. Sample received on** : 04.11.2023
- 7. Period of Analysis** : 06.11.2023 to 17.11.2023
- 8. Name of Sample & Location** : Potable & Domestic water (Handpump Mine office Ground water)
- 9. Method of Sampling** : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	31.2
2.	Relative Humidity	%	37

S. No.	Parameters	Test Method	Unit	Results	Limits :- IS-10500:2012	
					Acceptable	Permissible
Chemical Testing – Water- Ground Water						
1.	pH (at 27°C)	IS:3025(Part-11)	-	8.17	6.5 to 8.5	No Relaxation
2.	Conductivity (at 25°C)	IS:3025(Part-14)	µs/cm	557.6	-	-
3.	Color	IS:3025(Part-4)	Hazen	<5	5	15
4.	Odour	IS:3025(Part-5)	-	Agreeable	Agreeable	Agreeable
5.	Turbidity	IS:3025(Part-10)	NTU	0.40	1	5
6.	Total Dissolve Solid	IS:3025(Part-16)	mg/L	356	500	2000
7.	Total Suspended Solid	IS:3025(Part-17)	mg/L	BDL(<5)	-	-
8.	Total Hardness as CaCO ₃	IS:3025(Part-21)	mg/L	142	200	600
9.	Calcium as Ca ²⁺	IS:3025(Part-40)	mg/L	29.2	75	200
10.	Magnesium as Mg ²⁺	IS:3025(Part-46)	mg/L	16.32	30	100
11.	Total Alkalinity	IS:3025(Part-23)	mg/L	72	200	600
12.	Chlorides as Cl ⁻	IS:3025(Part-32)	mg/L	112	250	1000
13.	Oil & Grease	IS:3025(Part-39)	mg/L	BDL(<0.4)	-	-
14.	Fluoride as F ⁻	APHA 23rd Ed., 4500 FD	mg/L	0.37	1.0	1.5
Chemical Testing – Residues – Ground water						
15.	Iron as Fe	APHA 23rd Ed.3111B	mg/L	0.20	0.3	No Relaxation

BDL-Below Detection Limit

Tested By


(Manali Vyas)
Asst.Chemist

Authorized Signatory


(Puran Singh)
Sr.Chemist

**Note**

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Page 1 of 1
End of Report

Registered & Corporate Office :

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

CIN- U29299RJ1971PLC001379



TC-5941
Our Commitment.. Your Trust



Report No.20231104028


Report Issue Date: - 20.11.2023

TEST REPORT

1. Name of Customer : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. Purchase Order No. : 4600093209 Dated:- 13.06.2023
3. Sample Identification : Potable water
4. Condition of sample : Sealed/Ok
5. Source/ Location : Potable & Domestic water
(Handpump Mine office Ground water)
6. Sampling done by : Environmental & Chemical Laboratory, Wolkem India Limited
7. Sample Received on : 04.11.2023
8. Period of Testing : 06.11.2023 to 08.11.2023
9. Environmental conditions : Temp 31.2°C/ RH 37%
10. Sampling method : IS: 1622-1981

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

Authorized Signatory


Amreesh Kumar
(Head & Dy. GM)



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4. The samples will be destroyed after 07 days from the date of issue of test certificate unless otherwise specified.
5. Any discrepancy in test results should be reported within 03 days.
6. Bacteriological Quality of Drinking Water as per IS:10500

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





Report No. 20231104009

Report Issue Date: - 20.11.2023

TEST REPORT

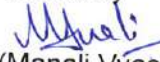
- 1. Name of Customer** : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
- 2. Purchase order Number** : 4600093209 Dated:- 13.06.2023
- 3. Sample Identification** : Ground water
- 4. Condition of Sample** : Sealed/Ok
- 5. Date & Time of Sampling** : 03.11.2023/10:45AM
- 6. Sample received on** : 04.11.2023
- 7. Period of Analysis** : 06.11.2023 to 17.11.2023
- 8. Name of Sample & Location** : Potable & Domestic water
(Hand pump Near School of Pipliya village Ground water)
- 9. Method of Sampling** : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	31.5
2.	Relative Humidity	%	35


S. No.	Parameters	Test Method	Unit	Results	Limits :- IS-10500:2012	
					Acceptable	Permissible
Chemical Testing – Water- Ground Water						
1.	pH (at 27°C)	IS:3025(Part-11)	-	7.44	6.5 to 8.5	No Relaxation
2.	Conductivity (at 25°C)	IS:3025(Part-14)	µs/cm	1178.6	-	-
3.	Color	IS:3025(Part-4)	Hazen	<5	5	15
4.	Odour	IS:3025(Part-5)	-	Agreeable	Agreeable	Agreeable
5.	Turbidity	IS:3025(Part-10)	NTU	0.50	1	5
6.	Total Dissolve Solid	IS:3025(Part-16)	mg/L	772	500	2000
7.	Total Suspended Solid	IS:3025(Part-17)	mg/L	BDL(<5)	-	-
8.	Total Hardness as CaCO ₃	IS:3025(Part-21)	mg/L	398	200	600
9.	Calcium as Ca ²⁺	IS:3025(Part-40)	mg/L	135.2	75	200
10.	Magnesium as Mg ²⁺	IS:3025(Part-46)	mg/L	14.4	30	100
11.	Total Alkalinity	IS:3025(Part-23)	mg/L	94	200	600
12.	Chlorides as Cl ⁻	IS:3025(Part-32)	mg/L	136	250	1000
13.	Oil & Grease	IS:3025(Part-39)	mg/L	BDL(<0.4)	-	-
14.	Fluoride as F ⁻	APHA 23rd Ed., 4500 FD	mg/L	0.77	1.0	1.5
Chemical Testing – Residues – Ground water						
15.	Iron as Fe	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	0.3	No Relaxation

BDL-Below Detection Limit

Tested By


(Manali Vyas)
Asst.Chemist

Authorized Signatory


(Puran Singh)
Sr.Chemist

Note

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Page 1 of 1
End of Report



Registered & Corporate Office :

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

CIN- U29299RJ1971PLC001379



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Report No.20231104029


Report Issue Date: - 20.11.2023

TEST REPORT

1. Name of Customer : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. Purchase Order No. : 4600093209 Dated:- 13.06.2023
3. Sample Identification : Potable water
4. Condition of sample : Sealed/Ok
5. Source/ Location : Potable & Domestic water
(Hand pump Near School of Pipliya village Ground water)
6. Sampling done by : Environmental & Chemical Laboratory, Wolkem India Limited
7. Sample Received on : 04.11.2023
8. Period of Testing : 06.11.2023 to 08.11.2023
9. Environmental conditions : Temp 31.5°C/ RH 35%
10. Sampling method : IS: 1622-1981

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

Authorized Signatory


Amresh Kumar
(Head & Dy. GM)



Note:

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4. The samples will be destroyed after 07 days from the date of issue of test certificate unless otherwise specified.
5. Any discrepancy in test results should be reported within 03 days.
6. **Bacteriological Quality of Drinking Water as per IS:10500**

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





Report No. 20231104010

Report Issue Date: - 20.11.2023

TEST REPORT

- 1. Name of Customer** : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
- 2. Purchase order Number** : 4600093209 Dated:- 13.06.2023
- 3. Sample Identification** : Potable water
- 4. Condition of Sample** : Sealed/Ok
- 5. Date & Time of Sampling** : 03.11.2023/10:55AM
- 6. Sample received on** : 04.11.2023
- 7. Period of Analysis** : 06.11.2023 to 17.11.2023
- 8. Name of Sample & Location** : Potable & Domestic water
(Maliakhera Mine Pit-water Surface water)
- 9. Method of Sampling** : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	31.7
2.	Relative Humidity	%	37

S. No.	Parameters	Test Method	Unit	Results	Limits :- IS-10500:2012	
					Acceptable	Permissible
Chemical Testing – Water- Potable Water						
1.	pH (at 27°C)	IS:3025(Part-11)	-	7.67	6.5 to 8.5	No Relaxation
2.	Conductivity (at 25°C)	IS:3025(Part-14)	µs/cm	625.3	-	-
3.	Color	IS:3025(Part-4)	Hazen	<5	5	15
4.	Odour	IS:3025(Part-5)	-	Agreeable	Agreeable	Agreeable
5.	Turbidity	IS:3025(Part-10)	NTU	0.50	1	5
6.	Total Dissolve Solid	IS:3025(Part-16)	mg/L	408	500	2000
7.	Total Suspended Solid	IS:3025(Part-17)	mg/L	12	-	-
8.	Total Hardness as CaCO ₃	IS:3025(Part-21)	mg/L	238	200	600
9.	Calcium as Ca ²⁺	IS:3025(Part-40)	mg/L	84	75	200
10.	Magnesium as Mg ²⁺	IS:3025(Part-46)	mg/L	6.72	30	100
11.	Total Alkalinity	IS:3025(Part-23)	mg/L	58	200	600
12.	Chlorides as Cl ⁻	IS:3025(Part-32)	mg/L	88	250	1000
13.	Oil & Grease	IS:3025(Part-39)	mg/L	BDL(<0.4)	-	-
14.	Fluoride as F-	APHA 23rd Ed., 4500 FD	mg/L	0.55	1.0	1.5
Chemical Testing – Residues – Potable water						
15.	Iron as Fe	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	0.3	No Relaxation

BDL-Below Detection Limit

Tested By
Manali Vyas
(Manali Vyas)
Asst.Chemist

Authorized Signatory

(Puran Singh)
Sr.Chemist



Note

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End of Report

Registered & Corporate Office :

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CIN- U29299RJ1971PLC001379



TC-5941
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Report No.20231104030


Report Issue Date: - 20.11.2023

TEST REPORT

1. Name of Customer : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. Purchase Order No. : 4600093209 Dated:- 13.06.2023
3. Sample Identification : Potable water
4. Condition of sample : Sealed/Ok
5. Source/ Location : Potable & Domestic water
(Maliakhera Mine Pit-water Surface water)
6. Sampling done by : Environmental & Chemical Laboratory, Wolkem India Limited
7. Sample Received on : 04.11.2023
8. Period of Testing : 06.11.2023 to 08.11.2023
9. Environmental conditions : Temp 31.7°C/ RH 37%
10. Sampling method : IS: 1622-1981

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

Authorized Signatory


Amreesh Kumar
(Head & Dy. GM)



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Page 1 of 1
End of Report





Report No. 20240112008

Report Issue Date: - 24.01.2024

TEST REPORT

- 1. Name of Customer** : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
- 2. Purchase order Number** : 4600093209 Dated:- 13.06.2023
- 3. Sample Identification** : Ground water
- 4. Condition of Sample** : Sealed/Ok
- 5. Date & Time of Sampling** : 11.01.2024/12:25PM
- 6. Sample received on** : 12.01.2024
- 7. Period of Analysis** : 12.01.2024 to 23.01.2024
- 8. Name of Sample & Location** : Potable & Domestic water (Handpump Mine office Ground water)
- 9. Method of Sampling** : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	19.7
2.	Relative Humidity	%	54

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

Chemical Testing – Water- Ground Water

1.	pH (at 25°C)	IS:3025(Part-11)	-	8.12	6.5 to 8.5	No Relaxation
2.	Conductivity (at 25°C)	IS:3025(Part-14)	µs/cm	571	-	-
3.	Color	IS:3025(Part-4)	Hazen	<5	5	15
4.	Odour	IS:3025(Part-5)	-	Agreeable	Agreeable	Agreeable
5.	Turbidity	IS:3025(Part-10)	NTU	0.50	1	5
6.	Total Dissolve Solid	IS:3025(Part-16)	mg/L	362	500	2000
7.	Total Suspended Solid	IS:3025(Part-17)	mg/L	BDL(<5)	-	-
8.	Total Hardness as CaCO ₃	IS:3025(Part-21)	mg/L	140	200	600
9.	Calcium as Ca ²⁺	IS:3025(Part-40)	mg/L	30.4	75	200
10.	Magnesium as Mg ²⁺	IS:3025(Part-46)	mg/L	15.4	30	100
11.	Total Alkalinity	IS:3025(Part-23)	mg/L	70	200	600
12.	Chlorides as Cl ⁻	IS:3025(Part-32)	mg/L	114	250	1000
13.	Oil & Grease	IS:3025(Part-39)	mg/L	BDL(<0.4)	-	-
14.	Fluoride as F ⁻	APHA 23rd Ed., 4500 FD	mg/L	0.40	1.0	1.5

Chemical Testing – Residues – Ground water


15.	Iron as Fe	APHA 23rd Ed.3111B	mg/L	0.17	0.3	No Relaxation
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BDL-Below Detection Limit

Tested By


(Leena Sharma)
Chemist

Authorized Signatory


(Puran Singh)
Sr.Chemist



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TC-5941

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Report No.20240112049


Report Issue Date: - 24.01.2024

TEST REPORT

1. Name of Customer : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. Purchase Order No. : 4600093209 Dated:- 13.06.2023
3. Sample Identification : Potable water
4. Condition of sample : Sealed/Ok
5. Source/ Location : Potable & Domestic water
(Handpump Mine office Ground water)
6. Sampling done by : Environmental & Chemical Laboratory, Wolkem India Limited
7. Sample Received on : 12.01.2024
8. Period of Testing : 12.01.2024 to 15.01.2024
9. Environmental conditions : Temp 19.7°C/ RH 54%
10. Sampling method : IS: 1622-1981

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

Authorized Signatory


Amreesh Kumar
(Head & Dy. GM)



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- The samples will be destroyed after 07 days from the date of issue of test certificate unless otherwise specified.
- Any discrepancy in test results should be reported within 03 days.
- Bacteriological Quality of Drinking Water as per IS:10500**

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

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End of Report



Report No. 20240112009

Report Issue Date: - 24.01.2024

TEST REPORT

- 1. Name of Customer** : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
- 2. Purchase order Number** : 4600093209 Dated:- 13.06.2023
- 3. Sample Identification** : Ground water
- 4. Condition of Sample** : Sealed/Ok
- 5. Date & Time of Sampling** : 11.01.2024/12:10PM
- 6. Sample received on** : 12.01.2024
- 7. Period of Analysis** : 12.01.2024 to 23.01.2024
- 8. Name of Sample & Location** : Potable & Domestic water
(Hand pump Near School of Pipliya village Ground water)
- 9. Method of Sampling** : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	19.1
2.	Relative Humidity	%	56

S. No.	Parameters	Test Method	Unit	Results	Limits :- IS-10500:2012	
					Acceptable	Permissible
Chemical Testing – Water- Ground Water						
1.	pH (at 25°C)	IS:3025(Part-11)	-	7.50	6.5 to 8.5	No Relaxation
2.	Conductivity (at 25°C)	IS:3025(Part-14)	µs/cm	1210	-	-
3.	Color	IS:3025(Part-4)	Hazen	<5	5	15
4.	Odour	IS:3025(Part-5)	-	Agreeable	Agreeable	Agreeable
5.	Turbidity	IS:3025(Part-10)	NTU	0.60	1	5
6.	Total Dissolve Solid	IS:3025(Part-16)	mg/L	790	500	2000
7.	Total Suspended Solid	IS:3025(Part-17)	mg/L	BDL(<5)	-	-
8.	Total Hardness as CaCO ₃	IS:3025(Part-21)	mg/L	404	200	600
9.	Calcium as Ca ²⁺	IS:3025(Part-40)	mg/L	137.6	75	200
10.	Magnesium as Mg ²⁺	IS:3025(Part-46)	mg/L	14.4	30	100
11.	Total Alkalinity	IS:3025(Part-23)	mg/L	90	200	600
12.	Chlorides as Cl ⁻	IS:3025(Part-32)	mg/L	138	250	1000
13.	Oil & Grease	IS:3025(Part-39)	mg/L	BDL(<0.4)	-	-
14.	Fluoride as F ⁻	APHA 23rd Ed., 4500 FD	mg/L	0.75	1.0	1.5
Chemical Testing – Residues – Ground water						
15.	Iron as Fe	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	0.3	No Relaxation

BDL-Below Detection Limit

Tested By

Leena
(Leena Sharma)
Chemist

Authorized Signatory

Puran Singh
(Puran Singh)
Sr.Chemist

Note

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TC-5941

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Report No.20240112050


Report Issue Date: - 24.01.2024

TEST REPORT

1. Name of Customer : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. Purchase Order No. : 4600093209 Dated:- 13.06.2023
3. Sample Identification : Potable water
4. Condition of sample : Sealed/Ok
5. Source/ Location : Potable & Domestic water
(Hand pump Near School of Pipliya village Ground water)
6. Sampling done by : Environmental & Chemical Laboratory, Wolkem India Limited
7. Sample Received on : 12.01.2024
8. Period of Testing : 12.01.2024 to 15.01.2024
9. Environmental conditions : Temp 19.1°C/ RH 56%
10. Sampling method : IS: 1622-1981

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

Authorized Signatory


Amresh Kumar
(Head & Dy. GM)



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4. The samples will be destroyed after 07 days from the date of issue of test certificate unless otherwise specified.
5. Any discrepancy in test results should be reported within 03 days.
6. Bacteriological Quality of Drinking Water as per IS:10500

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

Page 1 of 1
End of Report





Report No. 20240112010

Report Issue Date: - 24.01.2024

TEST REPORT

- 1. Name of Customer** : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
- 2. Purchase order Number** : 4600093209 Dated:- 13.06.2023
- 3. Sample Identification** : Potable water
- 4. Condition of Sample** : Sealed/Ok
- 5. Date & Time of Sampling** : 11.01.2024/12:20PM
- 6. Sample received on** : 12.01.2024
- 7. Period of Analysis** : 12.01.2024 to 23.01.2024
- 8. Name of Sample & Location** : Potable & Domestic water
(Maliakhera Mine Pit-water Surface water)
- 9. Method of Sampling** : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	19.2
2.	Relative Humidity	%	55


S. No.	Parameters	Test Method	Unit	Results	Limits :- IS-10500:2012	
					Acceptable	Permissible
Chemical Testing – Water- Potable Water						
1.	pH (at 25°C)	IS:3025(Part-11)	-	7.62	6.5 to 8.5	No Relaxation
2.	Conductivity (at 25°C)	IS:3025(Part-14)	µs/cm	641.4	-	-
3.	Color	IS:3025(Part-4)	Hazen	<5	5	15
4.	Odour	IS:3025(Part-5)	-	Agreeable	Agreeable	Agreeable
5.	Turbidity	IS:3025(Part-10)	NTU	0.50	1	5
6.	Total Dissolve Solid	IS:3025(Part-16)	mg/L	412	500	2000
7.	Total Suspended Solid	IS:3025(Part-17)	mg/L	10	-	-
8.	Total Hardness as CaCO ₃	IS:3025(Part-21)	mg/L	240	200	600
9.	Calcium as Ca ²⁺	IS:3025(Part-40)	mg/L	79.2	75	200
10.	Magnesium as Mg ²⁺	IS:3025(Part-46)	mg/L	10.1	30	100
11.	Total Alkalinity	IS:3025(Part-23)	mg/L	60	200	600
12.	Chlorides as Cl ⁻	IS:3025(Part-32)	mg/L	89	250	1000
13.	Oil & Grease	IS:3025(Part-39)	mg/L	BDL(<0.4)	-	-
14.	Fluoride as F ⁻	APHA 23rd Ed., 4500 FD	mg/L	0.60	1.0	1.5
Chemical Testing – Residues – Potable water						
15.	Iron as Fe	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	0.3	No Relaxation

BDL-Below Detection Limit

Tested By


(Leena Sharma)
Chemist

Authorized Signatory


(Puran Singh)
Sr.Chemist



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TC-5941

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Report No.20240112051

Report Issue Date: - 24.01.2024

TEST REPORT

1. Name of Customer : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. Purchase Order No. : 4600093209 Dated:- 13.06.2023
3. Sample Identification : Potable water
4. Condition of sample : Sealed/Ok
5. Source/ Location : Potable & Domestic water
(Maliakhera Mine Pit-water Surface water)
6. Sampling done by : Environmental & Chemical Laboratory, Wolkem India Limited
7. Sample Received on : 12.01.2024
8. Period of Testing : 12.01.2024 to 15.01.2024
9. Environmental conditions : Temp 19.2°C/ RH 55%
10. Sampling method : IS: 1622-1981

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

Authorized Signatory


Amresh Kumar
(Head & Dy. GM)



Note:

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End of Report





Report No. 20231102043

Report Issue Date: - 17.11.2023

TEST REPORT

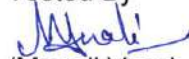
1. Name of Customer : M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. Purchase order Number : 4600093209 Dated:- 13.06.2023
3. Sample Identification : Waste water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 01.11.2023/11:40AM
6. Sample received on : 02.11.2023
7. Period of Analysis : 02.11.2023 to 16.11.2023
8. Name of Sample & Location : Maliakhera Mines work shop
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	31.2
2.	Relative Humidity	%	40


S. No.	Parameters	Test Method	Unit	Results	Limits as per Environment Protection rules,1986
Chemical Testing– Pollution and Environment - Waste Water					
1.	pH (at 27°C)	IS:3025(Part-11)	-	7.52	5.5 – 9.0
2.	Total Suspended Solid	IS:3025(Part-17)	mg/L	36	-
3.	Oil & Grease	IS:3025(Part-39)	mg/L	4.0	10
4.	B.O.D. 3 days @27°C	IS:3025(Part-44)	mg/L	16.8	30
5.	Chemical Oxygen Demand	IS:3025 (Part-58)	mg/L	114.2	250
6.	Chlorides as Cl-	IS:3025(Part-32)	mg/L	256	-
7.	Sulphate as SO ₄	APHA 23 rd Ed.4500 SO ₄ E	mg/L	94.6	Not specified
8.	Phosphate as PO ₄	IS:3025(Part-31)	mg/L	BDL(<0.1)	5.0
Chemical Testing – Residues – Waste water					
9.	Copper as Cu	APHA 23 rd Ed.3111B	mg/L	BDL(<0.1)	3.0
10.	Zinc	APHA 23 rd Ed.3111B	mg/L	0.11	5.0
11.	Iron as Fe	APHA 23 rd Ed.3111B	mg/L	0.12	3.0
12.	Total Chromium	APHA 23 rd Ed.3111B	mg/L	BDL(<0.02)	2.0

BDL-Below Detection Limit

Tested By


 (Manali Vyas)
 Asst.Chemist

Authorized Signatory


 (Puran Singh)
 Sr.Chemist
Note

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Page 1 of 1

End of Report



Registered & Corporate Office :

"Wolkem House", E-101, Mewar Industrial Area, Madri, Udaipur - 313003, Rajasthan-India

Phone : +91 294 2494600 - 02 E-mail : info@wolkem.com

CIN- U29299RJ1971PLC001379



TC-5941

Our Commitment.. Your Trust



Report No. 20240112026

Report Issue Date: - 24.01.2024

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. Purchase order Number : 4600093209 Dated:- 13.06.2023
3. Sample Identification : Waste water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 11.01.2024/12:15PM
6. Sample received on : 12.01.2024
7. Period of Analysis : 12.01.2024 to 23.01.2024
8. Name of Sample & Location : Treated waste water source (Maliakhera Mine Workshop)
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	19.8
2.	Relative Humidity	%	58


S. No.	Parameters	Test Method	Unit	Results	Limits as per Environment Protection rules,1986
Chemical Testing– Pollution and Environment - Waste Water					
1.	pH (at 25°C)	IS:3025(Part-11)	-	7.57	5.5-9.0
2.	Total Suspended Solid	IS:3025(Part-17)	mg/L	32	100
3.	Oil & Grease	IS:3025(Part-39)	mg/L	4.0	10
4.	B.O.D. 3 days @27°C	IS:3025(Part-44)	mg/L	16.2	30
5.	Chemical Oxygen Demand	IS:3025 (Part-58)	mg/L	123.5	250
6.	Residual Chlorine	IS:3025(Part-26)	mg/L	BDL(<0.01)	1.0
7.	Chlorides as Cl-	IS:3025(Part-32)	mg/L	266	-
8.	Sulphate as SO ₄	APHA 23 rd Ed.4500 SO ₄ E	mg/L	98.2	Not Specified
9.	Phosphate as PO ₄	IS:3025(Part-31)	mg/L	BDL(<0.1)	5.0
Chemical Testing – Residues – Waste water					
10.	Copper as Cu	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	3.0
11.	Zinc	APHA 23rd Ed.3111B	mg/L	0.15	5.0
12.	Iron as Fe	APHA 23rd Ed.3111B	mg/L	0.12	3.0
13.	Total Chromium	APHA 23rd Ed.3111B	mg/L	BDL(<0.02)	2.0

BDL-Below Detection Limit

Tested By


(Leena Sharma)
Chemist

Authorized Signatory


(Purn Singh)
Sr.Chemist

Note

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End of Report



Date/Time Vert at 13:58:07 February 16, 2024
Trigger Source Geo: 0.300 mm/s
Range Geo: 254.0 mm/s
Record Time 3.76 sec (Auto=3Sec) at 1024 sps
Operator/Setup: P K Dawer/Maliakhera Mine.MMB

Serial Number UM17400 V 10-89 Micromate ISEE
Battery Level 3.8 Volts
Unit Calibration June 5, 2023 by UES New Delhi
File Name UM17400_20240216135807.IDFW

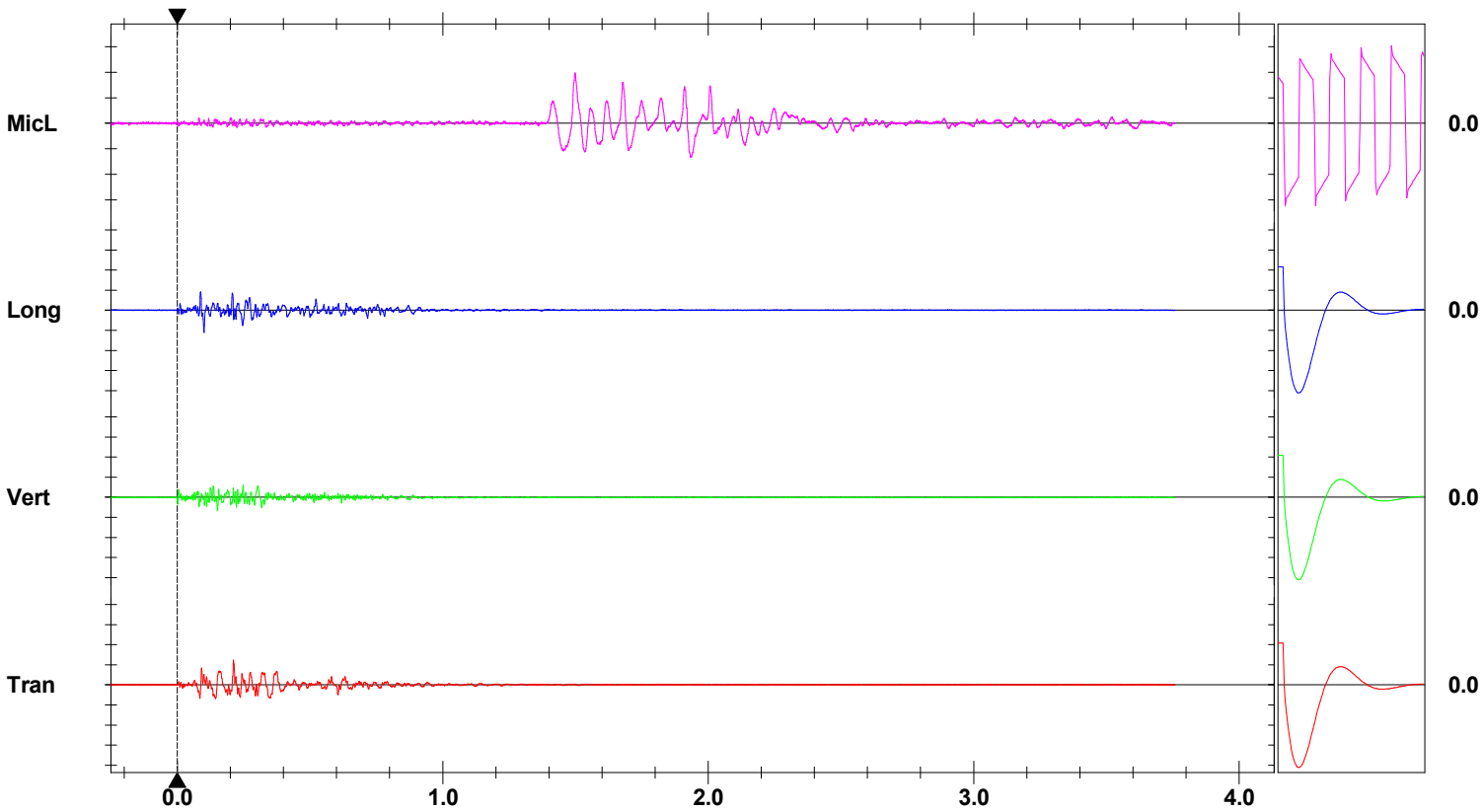
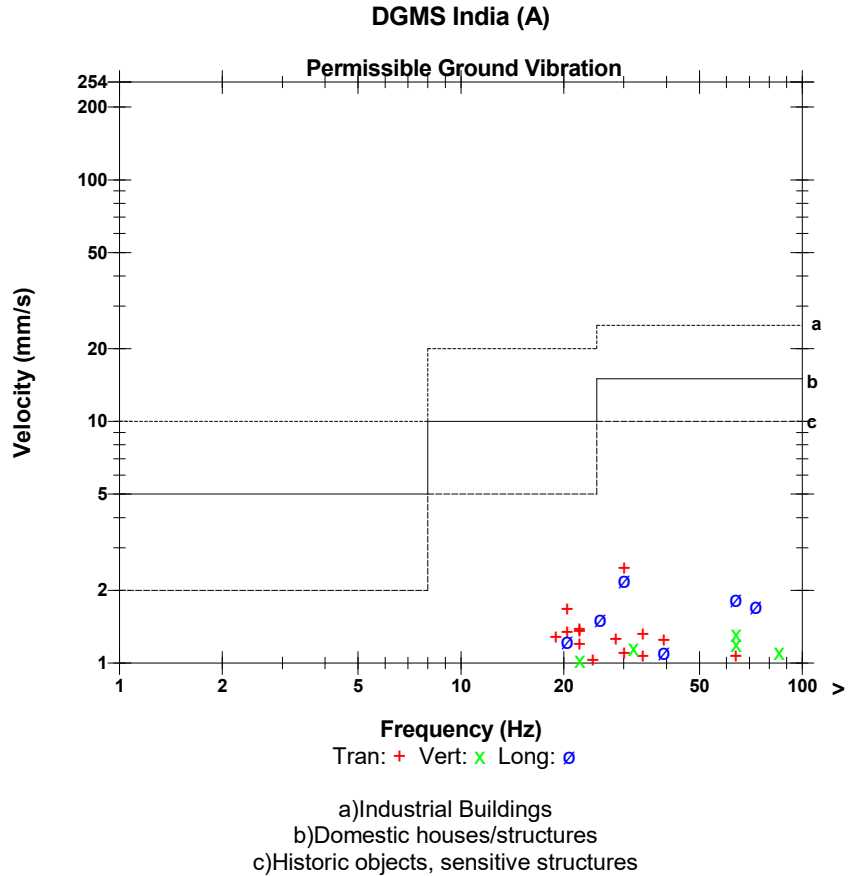
Notes
 Location: Maliakhera Mine On the ground surface
 Client: J K CEMENT WORKS
 User Name: J K CEMENT WORKS
 General:

Post Event Notes
 Bench : IV NW (N TO S) , BID : 4--86
 No. of Holes: 34 ; Charge Per delay : 25.88 Kgs.
 Vibration Monitored at 300 Mtr. MKM Village Road

Microphone Linear Weighting
PSPL 99.87 dB(L) at 1.499 sec
ZC Freq 14 Hz
Channel Test Passed (Freq = 19.7 Hz Amp = 1180 mv)

	Tran	Vert	Long	
PPV	2.483	1.324	2.215	mm/s
ZC Freq	30	64	30	Hz
Time (Rel. to Trig)	0.212	0.151	0.101	sec
Peak Acceleration	0.074	0.081	0.131	g
Peak Displacement	0.011	0.005	0.009	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.3	7.3	7.3	Hz
Overswing Ratio	4.6	4.7	4.6	

Peak Vector Sum 2.666 mm/s at 0.212 sec



J.K. Cement WORKS, NIMBAHERA (RAJ)
MALIAKHERA LIMESTONE MINE
MONTHLY AMBIENT NOISE MONITORING REPORT
October'2023 to March'2024

Annexure-07

NOISE LEVEL MEASUREMENT RESULTS ± (ALL VALUES IN dB(A))

Month	Near Mines Gate		Near Ravana Office	
	DAY	NIGHT	DAY	NIGHT
Oct-23	64.6	48.6	62.7	50.1
Nov-23	60.7	49.8	61.4	54.6
Dec-23	62.1	48.2	64.2	49.6
Jan-24	66.2	49.1	65.1	52.1
Feb-24	61.3	49.7	62.3	52.1
Mar-24	66.8	48.1	62.1	49.7



Report Issue Date: 22.11.2023

TEST REPORT

1. Name of Customer : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. Purchase order Number : 4600093209 Dated:- 13.06.2023
3. Date of Monitoring : 03.11.2023
4. Sample Identification : Noise Sample
5. Condition of Sample : NA
6. Sample Received On : 09.11.2023
7. Period of Analysis : NA
8. Test Methods Reference : IS: 9989– 1981 (Reaffirmed 2014)

Noise Level Monitoring Results

S. No	Station Point	Report No.	Sound pressure Level dB Day Time		Sound pressure Level dB Night Time	
			Maximum	Minimum	Maximum	Minimum
1.	Near Mine Office, Maliakhera Mine	20231109047	66.8	61.1	58.8	52.6
2.	Near Ravana Office, Maliakhera Mine	20231109048	63.4	56.2	50.4	46.3


CPCB Norms

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

Tested By


(Leena Sharma)
Chemist

Authorized Signatory


(Manish Bhagora)
Chemist

Note

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End of Report



Report Issue Date: 26.02.2024

TEST REPORT

1. Name of Customer : Maliakhera Limestone Mine,
ML No. 04/2003,
M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. Purchase order Number : 4600093209 Dated:- 13.06.2023
3. Date of Monitoring : 06.02.2024
4. Sample Identification : Noise Sample
5. Condition of Sample : NA
6. Sample Received On : 12.02.2024
7. Period of Analysis : NA
8. Test Methods Reference : IS: 9989– 1981 (Reaffirmed 2014)

Noise Level Monitoring Results

S. No	Station Point	Report No.	Sound pressure Level dB Day Time		Sound pressure Level dB Night Time	
			Maximum	Minimum	Maximum	Minimum
1.	Near Mine Office, Maliakhera Mine	20240212023	64.6	60.2	56.3	50.4
2.	Near Ravana Office, Maliakhera Mine	20240212024	62.8	54.7	51.1	44.7

CPCB Norms

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

Tested By


(Leena Sharma)
Chemist

Authorized Signatory


(Amreesh Kumar)
Head & Dy. GM

Note

- Complaint Register is available in lab / Email ID amrish.malik@wolkem.com
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Page 1 of 1
End of Report





FORM - O

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

Report of Medical Examination under rule 29 B

(To be issued in triplicate **)

Certificate No.....

Certified that shri **OM PRAKASH NAI S/O KANHIYA LAL** employed as **DRIVER** at **EFFULGENCE MALI KHERA LIME STONE MINES** , Form A No. has been examined for an **initial** / periodical medical examination . He appears to be **38** years of age.

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

Shri OM PRAKASH NAI S/O KANHIYA LAL.

(a) * is medically fit for any employment in mines, ✓

(b) * is suffering fromand is medically unfit for – ✗

(i) any employment in mine ; or

(ii) any employment below ground ; or

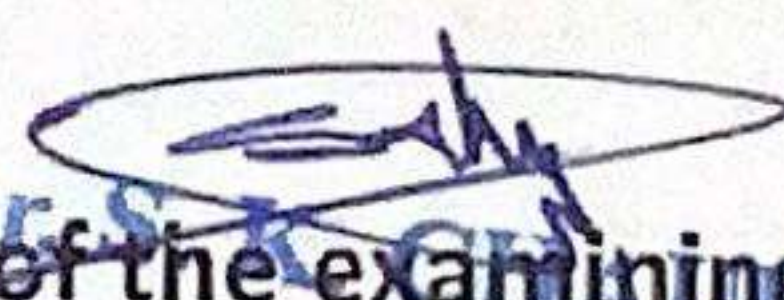
(iii) any employment or work

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

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



Signature of the examining


DEPUTY COMMISSIONARY
C.M.O.
J. K. Cement Works
Authority
NIMBAHERA (Raj.)

Reg. No. 21732

**Name and designation in
Block letters.**

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

FORM - O

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

Report of Medical Examination under rule 29 B

(To be issued in triplicate **)

Certificate No.....

Certified that shri PANNA LAL DANGI S/O HEERA LAL employed as DRIVER at EFFULGENCE MALI KHERA LIME STONE MINES , Form A No. has been examined for an **initial** / periodical medical examination . He appears to be 35 years of age.

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

Shri PANNA LAL DANGI S/O HEERA LAL.

(a) * is medically fit for any employment in mines,

(b) * is suffering fromand is medically unfit for –

(i) any employment in mine ; or

(ii) any employment below ground ; or

(iii) any employment or work

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

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



Volga
19/03/2024
Signature of the examining

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

Authority
DR. VOLGA KAITHWAR

Name and designation in
Block letters.

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FORM - O

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

Report of Medical Examination under rule 29 B

(To be issued in triplicate **)

Certificate No.....

Certified that shri **RATAN LAL DANGI S/O UDAI RAM** employed as **DRIVER** at **EFFULGENCE MALI KHERA LIME STONE MINES** , Form A No. has been examined for an **initial** / periodical medical examination . He appears to be **44** years of age.

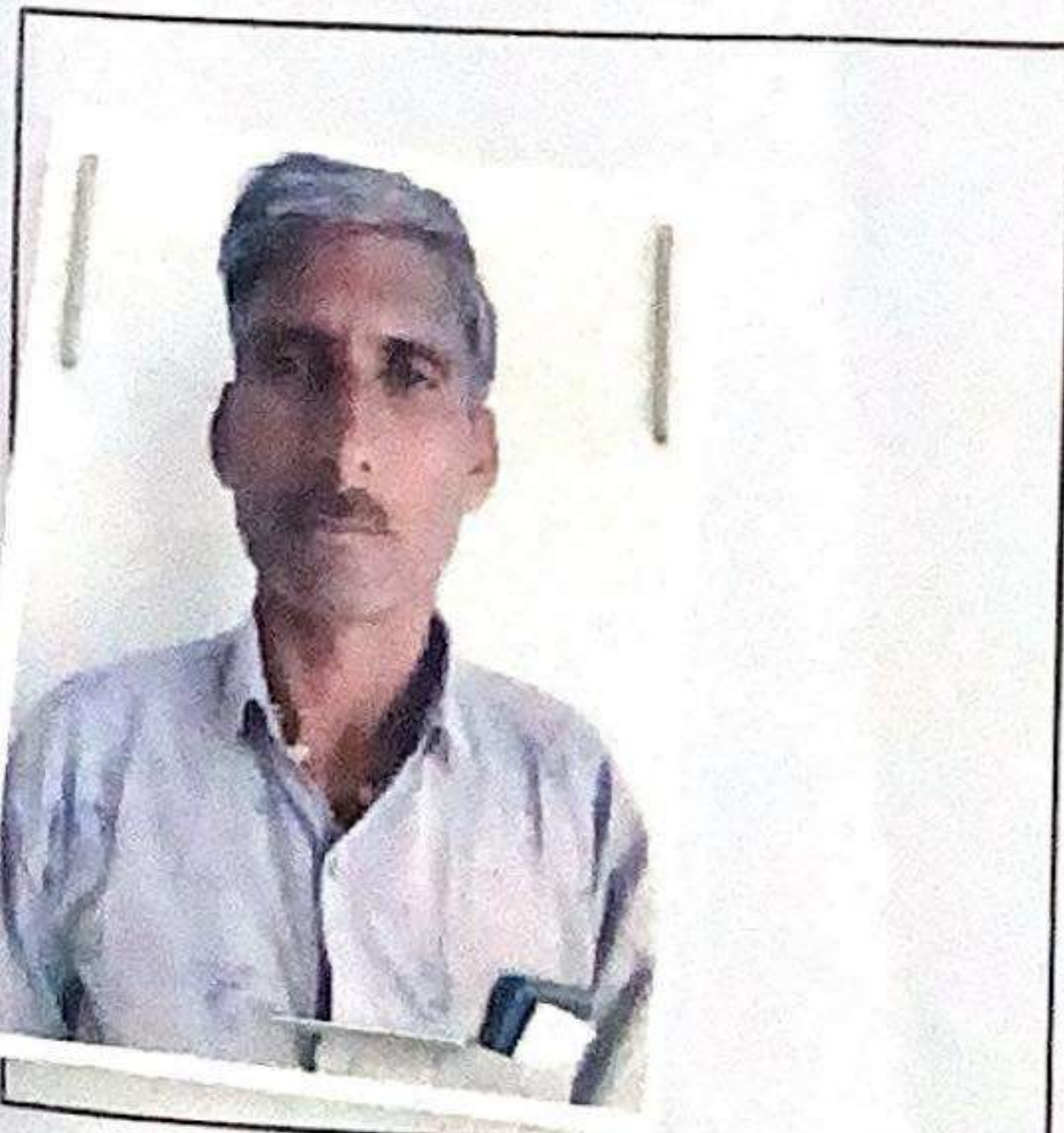
The findings of the examining authority are given in the attached sheet. It is considered that –

Shri RATAN LAL DANGI S/O UDAI RAM.

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

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

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



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

Volga Kaithwar
Signature of the examining Authority
DR. VOLGA KAITHWAR

Name and designation in Block letters.

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