

Through Email

Date: 28-05-25

NBH/PC-14/C11/

To,
The Scientist E, IA - (Industrial Projects - 1 sector)
Ministry of Environment, Forest & Climate Change,
Indira Paryavaran Bhawan, JOR Bagh Road, Aliganj,
New Delhi-110003

Sub: Compliance report of Environmental Clearance for Expansion of Integrated Cement Plant (Clinker 5.0 MTPA to 5.2 MTPA) Cement 3.6 MTPA to 6.5 MTPA) WHRS {13.2 (Water Cooled) to 15 MW (Air Cooled)} along with additional WHRS {15 MW (Air Cooled)} and Reduction in capacity of Captive Power Plant (47 to 22 MW) at Nimbahera, District: Chittorgarh (Rajasthan) by M/s. JK Cement Limited for the period of October 2024 to March 2025.

Ref: EC letter no. - IA-J-11011/243/2016-IA-II(I) dated 23.07.2018 and amended on vide letter no IA-J-11011/243/2016-IA-II(I) dated 14.02.2022

Dear Sir,

Kindly refer to the above subject matter and refer above EC letter no., please find attached herewith compliance of EC for the period of **October 2024 to March 2025**.

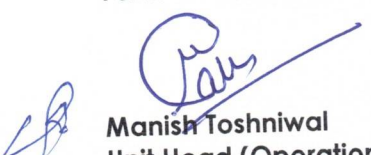
As per MoEF & CC notification no. S.O. 5845 (E) 26.11.2018 the soft copy of same has been sent through email to iro.jaipur-mefcc@gov.in, moef@nic.in, ccb.cpcb@nic.in, member-secretary@rpcb.nic.in, cpcb.bhopal@gov.in, monitoring-ec@nic.in, iro.jaipur-mefcc@gov.in, seiaams2021@gmail.com.

We hope that you will find the compliance report in order.

Thanking you.

Yours Faithfully

For J. K. Cement Works, Nimbahera



Manish Toshniwal
Unit Head (Operations)

Encl: as above

Copy to:

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

Corporate Office

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



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Half Yearly Compliance Report**2025****01 Jun(01 Oct - 31 Mar)****Acknowledgement**

Proposal Name	Expansion in Clinker Production Capacity (5.0 to 5.2 MTPA) and WHRS { 13.2 (Water Cooled) to 15 MW (Air Cooled)} along with additional WHRS { 15 MW (Air Cooled)} and Reduction in capacity of Captive Power Plant (47 to 22 MW) at Nimbahera, District: Chittorgarh (Rajasthan) by M/s. J. K. Cement Limited.		
Name of Entity / Corporate Office	J K Cement Ltd		
Village(s)	N/A		
District	CHITTORGARH		
Proposal No.	IA/RJ/IND/236959/2021	Category	Industrial Projects - 1
Plot / Survey / Khasra No.	N/A	Sub-District	N/A
State	RAJASTHAN	Entity's PAN	*****0355R
MoEF File No.	IA-J-11011/243/2016-IA-II(I)	Entity name as per PAN	J K CEMENT LIMITED

Compliance Reporting Details

Reporting Year	2025
Remarks (if any)	Submitting herewith the Six-Monthly EC Compliance Report for the period: October -2024 to March - 2025 of Expansion in Clinker Production Capacity (5.0 to 5.2 MTPA) and WHRS 13.2 (Water Cooled) to 15 MW (Air Cooled) along with additional WHRS 15 MW (Air Cooled) and Reduction in capacity of Captive Power Plant (47 to 22 MW) at Nimbahera, District: Chittorgarh (Rajasthan) by M/s. J. K. Cement Limited.
Reporting Period	01 Jun(01 Oct - 31 Mar)

Details of Production and Project Area

Name of Entity / Corporate Office	J K Cement Ltd	
	Project Area as per EC Granted	Actual Project Area in Possession
Private	98.05	98.05

Revenue Land	0	0
Forest	0	0
Others	0	0
Total	98.05	98.05

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Cement Production	Million Tons per Annum (MTPA)	30/09/2027	6.50	3.438944	4.9
2	CPP (Electricity Generation)	MW	31/03/2029	22	22579.6 MWh	22
3	Clinker Production	Million Tons per Annum (MTPA)	30/09/2027	5.20	2.340763	3.20
4	WHRB (Electricity Generation)	MW	31/12/2027	30	84146.8 MWh	15

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	Statutory compliance	Performance monitoring of pollution control equipment shall be taken up yearly and compliance status in this regard shall be reported to the concerned Regional Office of the MoEF&CC.

PPs Submission: Complied

Performance monitoring of pollution control equipment is being done and stack emissions are observed less than 30 mg/Nm³. Please refer the Annexure-1 for in house and NABL accredited third party stack emission monitoring reports.

Date:
28/05/2025

2 Statutory compliance

The recommendations of the approved Site-Specific Conservation Plan/Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.

PPs Submission: Being Complied

A Combined Wildlife Conservation Plan (WLCP) has been prepared for 5 Nos. of captive Limestone Mines and 2 Nos. of Integrated Cement Plant of J K Cement Ltd located within 10 Km radius in Tehsil Nimbahera, Chittorgarh District. The Wildlife Conservation Plan has been forwarded by the DFO - Chittorgarh to Divisional Chief Conservator of Forest vide letter No.: F(5) Survey/UVS/2021-22/4089 dated 13.07.2021 with a total implementation cost of INR 285.30 lakhs for 10 years. The approved plan is being implemented by the State Forest Department. An amount of INR 57.07 Lakh has already been deposited to the Rajasthan Forest Department as per demand note issued by the DFO - Chittorgarh in July-2021.

Date:
28/05/2025

3	MISCELLANEOUS	All the observations made in the inspection report of Regional Office dated 02/12/2021 shall be compiled within one month from date of issue of the Environment Clearance. Compliance status in this regard shall be furnished to the Ministry and the concerned Regional Office of the MoEF&CC.
PPs Submission: Complied Unit has complied with all the observations in the inspection report of Regional Office dated 02/12/2021 and submitted Compliance status report to IRO and RO MoEFCC, Jaipur on 22/12/2021.		Date: 28/05/2025
4	AIR QUALITY MONITORING AND PRESERVATION	Particulate matter emissions from all the stacks shall be less than 30 mg/Nm ³ .
PPs Submission: Complied Stack emission are being maintained less than 30 mg/Nm ³ . Detailed stack emission monitoring results (in-house and NABL accredited third party) for the period: October - 2024 to March -2025 are enclosed as Annexure-1.		Date: 28/05/2025
5	WATER QUALITY MONITORING AND PRESERVATION	Air Cooled condensers shall be used in the captive power plant in place of water-cooled system.
PPs Submission: Complied Unit has provided the air cooled condensers (ACC) in it is CPP and WHRS.		Date: 28/05/2025
6	WATER QUALITY MONITORING AND PRESERVATION	Water consumption shall be reduced from 4071 KLD to 2892 KLD due to switch over from water cooled system to air cooled condensers. Compliance status in this regard shall be submitted to the concerned Regional Office of the MoEF&CC along with the six-monthly compliance report.
PPs Submission: Complied Air cooled condenser is commission in the month of June-2023 for WHRS and presently water consumption on average recorded 69.75 KLD in WHRS in the recent compliance period (i.e. Oct 2024 to March 2025)		Date: 28/05/2025
7	AIR QUALITY MONITORING AND PRESERVATION	Dioxin and furans shall be monitored twice a year during co-processing of hazardous waste and report shall be submitted to the Regional Office of the MoEF&CC.
PPs Submission: Complied The unit has conducted dioxin and furans monitoring through NABL accredited laboratory at twice a year basis during co-processing of hazardous wastes and monitoring report of the same for the period: October - 2024 to March -2025 is enclosed as Annexure-2.		Date: 28/05/2025
8	GREENBELT	Greenbelt shall be developed in 33% of the total area all the entire periphery of the area with a density of 2500 trees per ha by 31st December, 2022 as committed. This shall include development of greenbelt with a width of 20m within the project site towards 4 villages around the plant i.e. Rampura (220 m), Ahirpura (340 m), Kautha (350 m) and Nimbahera (860 m) from the project site. Additionally, 14.57 ha land located outside the project shall be brought under greenbelt development as committed by the proponent.
PPs Submission: Complied Unit has developed the greenbelt in 33 percent of the total area. Details of greenbelt/plantation are: - Total plant area - 98.05 ha. Total plantation area covered - 32.36 ha. Total nos. of tree planted - 90481 nos. till FY 2021-22. Plantation done in FY 2023-24 is 3177 nos. of sapling to increase the		Date: 28/05/2025

plant density. Plantation done in FY 2024 -25 is 7086 Nos.		
9	WATER QUALITY MONITORING AND PRESERVATION	Rainwater harvesting shall be implemented as per the action plan submitted in the addendum EIA report.
PPs Submission: Complied Unit have not proposed any action plan for rainwater harvesting implementation in addendum EIA report. However, unit has constructed 5 nos. of injection wells, 2 nos. of check dams at seasonal nallah and 1 water pond in south direction of the plant.		Date: 28/05/2025
10	Statutory compliance	All stockyards shall be having impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains to trap the run off material.
PPs Submission: Complied Unit has developed covered storage yard with impervious flooring. Provided water spray system for dust suppression at raw material handling transfer point, as per requirement.		Date: 28/05/2025
11	MISCELLANEOUS	Slip roads shall be provided at the gates and along crossings on main roads.
PPs Submission: Complied Unit has provided separate entry and exit gates for raw material and manpower, hence slip road is not required.		Date: 28/05/2025
12	MISCELLANEOUS	All internal and connecting road to the Highway shall be black topped/concreted with suitable load in term of Million Standard Axle (MSA) as per IRC guidelines.
PPs Submission: Complied All internal and connecting roads to the Highways are blacked topped and concreted.		Date: 28/05/2025
General Conditions		
Sr.No.	Condition Type	Condition Details
1	Statutory compliance	The Environment Clearance (EC) granted to the project/activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/ Subordinate legislations, etc., as may be applicable to the project.
PPs Submission: Complied Unit has obtained the CTE from RSPCB, Jaipur vide letter No.: F(CPM)/Chittorgarh (Nimbahera)/4002(1)/2020-2021/1203-1205, Order No.: 2022-2023/CPM/8585 dated 18.07.2022. Unit has obtained the CTO from RSPCB, Jaipur vide letter No.: F(HSW)/Chittorgarh (Nimbahera)/20(1)/2022-2023/2567-2569, Order No.: 2022-2023/CPM/8620 dated 22.09.2022.		Date: 28/05/2025
2	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall install 24x7 Continuous Emission Monitoring System (CEMS) at process stacks to monitor stack emission as well as 4 Nos. Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules, 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to

		time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
PPs Submission: Complied Continuous emission monitoring system has been installed for monitoring of PM, SO ₂ and NO _x at the stack of all Kilns, Boilers. Opacity meters have been installed for continuous monitoring of PM at the stacks of Coal mill, Cement mill and Clinker cooler etc. Real time continuous monitoring system has been connected 24x7 with RSPCB and CPCB online server. Online CAAQMS system already installed at 4 locations in periphery of plant area and 24x7 connected to RPCB/CPCB web portal. CEMS remote calibration done by CPCB and CEMS and CAAQMS periodical calibration done by OEM and NABL lab.		Date: 28/05/2025
3	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.
PPs Submission: Complied Fugitive emission monitoring is being carried out by in-house facility as well as NABL recognized laboratory. Detail fugitive emission monitoring results (NABL accredited laboratory) for the period: October - 2024 to March -2025 is enclosed as Annexure-3.		Date: 28/05/2025
4	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
PPs Submission: Complied Bag house and bag filter are having mechanized bag cleaning system and DP system provided which indicate the leakages.		Date: 28/05/2025
5	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall ensure covered transportation and conveying of ore, coal, and other raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly ash.
PPs Submission: Complied Raw materials transported through trucks covered with tarpaulin and bulker are being used for fly ash transportation.		Date: 28/05/2025
6	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall provide wind shelter fence and chemical spraying on the raw material stock piles;
PPs Submission: Complied Covered sheds are provided for storage of raw materials and also developed dense plantation around the plant hence, wind shelter fence is not required.		Date: 28/05/2025
7	AIR QUALITY MONITORING AND PRESERVATION	Ventilation system shall be designed for adequate air changes as per the prevailing norms for all tunnels, motor houses, and cement bagging plants.
PPs Submission: Complied Ventilation system has been provided at all the required locations.		Date: 28/05/2025
8	WATER QUALITY MONITORING AND PRESERVATION	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25th August, 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement) and 10th May, 2016 (in case of Co-processing Cement) as amended from time to time; S.O. 3305(E) dated 7th

		December, 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
PPs Submission: Complied The unit is Zero liquid discharge facility and as per the CPCB guideline, the continuous effluent monitoring system is not required for cement plant. OCEMS have been installed and connected 24x7 with RSPCB and CPCB online portal. CEMS Remote calibration done by CPCB and periodical calibration by OEM and NABL lab.		Date: 28/05/2025
9	WATER QUALITY MONITORING AND PRESERVATION	The project proponent shall regularly monitor ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
PPs Submission: Complied Ground water quality is being test by NABL recognized lab, the Post-Monsoon ground water quality analysis report is enclosed as Annexure - 4.		Date: 28/05/2025
10	WATER QUALITY MONITORING AND PRESERVATION	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
PPs Submission: Complied 500 KLD Capacity STP has been installed and Domestic waste water is being collected in STP and after treatment of domestic waste water, treated water is being utilized for plantation and other purpose. Additionally, unit has installed two reed bed technology based STP with the capacity of 55 KLD and 35 KLD each. STP treated water quality analysis report for the period: October - 2024 to March -2025 is enclosed as Annexure-5.		Date: 28/05/2025
11	WATER QUALITY MONITORING AND PRESERVATION	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
PPs Submission: Complied Raw material stored in covered shed and finished product in silo. The garland drains and collection pits has been provided for each stockpile to arrest the run-off in the event of heavy rainfall.		Date: 28/05/2025
12	WATER QUALITY MONITORING AND PRESERVATION	Water meters shall be provided at the inlet to all unit processes in the cement plant.
PPs Submission: Complied Water meters has been provided at all the strategic locations in the existing plant.		Date: 28/05/2025
13	WATER QUALITY MONITORING AND PRESERVATION	The project proponent shall make efforts to minimize water consumption in the cement plant complex by segregation of used water, practicing cascade use and by recycling treated water.
PPs Submission: Complied Cement manufacturing process is based on dry process technology. Air cooled condensers in captive power plant is installed. Treated waste water from CPP is being reused in coal yard for dust suppression. WHR treated waste water is being recycle in cement plant for machineries cooling purpose only. Domestic sewage generated is being treated at STP and treated water is reused for plantation/greenbelt development. Zero liquid discharge are being maintained.		Date: 28/05/2025

14	Noise Monitoring & Prevention	Noise quality shall be monitored as per the prescribed Noise Pollution (Regulation And Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
PPs Submission: Complied Unit is being monitored the ambient noise level on regular basis. Noise level monitoring report for the period: October - 2024 to March -2025 is enclosed as Annexure- 6.		Date: 28/05/2025
15	ENERGY PRESERVATION MEASURES	Waste heat recovery system shall be provided for kiln and cooler.
PPs Submission: Complied Presently, Waste Heat Recovery system has been installed with capacity of 15 MW		Date: 28/05/2025
16	ENERGY PRESERVATION MEASURES	The project proponent makes efforts to achieve power consumption less than 65 units/ton for Portland Pozzolona Cement (PPC) and 85 units/ ton for Ordinary Portland Cement (OPC) production and thermal energy consumption of 670 Kcal/Kg of clinker.
PPs Submission: Complied All suitable measures like VVFD, highly efficient motors have been adopted to reduce power consumption, increase AFR percentage etc . Average specific Power and Thermal Energy Consumption is as given below		Date: 28/05/2025
17	ENERGY PRESERVATION MEASURES	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.
PPs Submission: Complied Unit has recently installed and commissioned 7.0 MW solar power plant, apart from this solar street light in colony and rooftop solar system has provided.		Date: 28/05/2025
18	ENERGY PRESERVATION MEASURES	Provide the project proponent for LED lights in their offices and residential areas.
PPs Submission: Complied LED lights provided in offices and residential township.		Date: 28/05/2025
19	WASTE MANAGEMENT	Used refractories shall be recycled as far as possible.
PPs Submission: Complied Used refractories quantity is being sold and recycled as per requirement.		Date: 28/05/2025
20	GREENBELT	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the program for reduction of the same including carbon sequestration by trees in the plant premises.
PPs Submission: Complied The GHG emissions inventory for the plant has been prepared. The program for reduction of the GHG emission has been prepared at the organization level as below: JKCL has committed SBTi in 2021 to reduce Sp. Gross CO2 emissions from 680 to 532 kg CO2/t cementitious material (21.7percent reduction) by 2030 from base year 2020. We have joined the UNFCCs Race to Zero under the aegis of GCCA for net zero carbon at concrete by 2050 and have targeted to reduce net Scope 1 carbon emissions by 19.8 percent to achieve a target of 465 kg CO2/t cementitious material by 2030 from a baseline of 580 kg CO2/t in FY 20. We have committed energy compact to increase Green Power Mix from 19 percent (FY20) to 75 percent (FY30). As on date, a total more than two lakh No. of trees have been planted within and outside the plant premises which is helping in GHG		Date: 28/05/2025

emission reduction through carbon sequestration.		
21	Human Health Environment	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
PPs Submission: Complied Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan are implemented.		Date: 28/05/2025
22	Human Health Environment	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.
PPs Submission: Complied There is no any activity carried out in high temperature work zone however during shutdown, we start working after cooling of equipment and same practice will be followed in proposed unit. Personal protective equipment is being provided to respective worker.		Date: 28/05/2025
23	Human Health Environment	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.
PPs Submission: Complied Periodical medical examination of all employee and workmen are being carried out and report is being maintained.		Date: 28/05/2025
24	Corporate Environmental Responsibility	The project proponent shall comply with the provisions contained in this Ministry's OM vide F. No. 22-65/2017- IA.III dated 30/09/2020.
PPs Submission: Complied Unit has been carried out combined CSR activities for Cement Plant and its associated mines, on the focus area of infrastructure, health, sanitation and water, women-empowerment, sports, education etc. CSR activities expenditure occurred in the FY: 2024-25 is given as below: -		Date: 28/05/2025
25	Corporate Environmental Responsibility	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/ deviation/ violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
PPs Submission: Complied Unit has implemented the Environment Policy duly approve by the Board of Directors and same has been submitted to all concern authorities along with last EC compliance report.		Date: 28/05/2025
26	Corporate Environmental Responsibility	A Separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
PPs Submission: Complied A separate environmental management cell with qualified personnel is already established and has sufficient monitoring equipment in the environmental laboratory.		Date: 28/05/2025

27	MISCELLANEOUS	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
PPs Submission: Complied Publicly published in 02 local newspapers namely Rajasthan Patrika and Dainik Bhaskar on 17/02/2022 regarding grant of Environment Clearance.		Date: 28/05/2025
28	MISCELLANEOUS	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
PPs Submission: Complied A copy of EC has been submitted to the all concern local authority and pollution control board, Zila Parishad Chittorgarh, DIC office Chittorgarh, District Collector Chittorgarh, SDM Office, Nimbahera on 16/02/2022.		Date: 28/05/2025
29	MISCELLANEOUS	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
PPs Submission: Complied Six monthly compliance report has been uploaded at company website, which can be access on: https://www.jkcement.com/environmental-compliance		Date: 28/05/2025
30	MISCELLANEOUS	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectorial parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
PPs Submission: Complied Unit is monitoring the PM10, SO2, NOX in ambient levels and PM, SO2, NOX in stack emission on regular basis. Data of the same are being displayed outside the plant main gate and uploaded on the website of the company along with EC compliance report.		Date: 28/05/2025
31	MISCELLANEOUS	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
PPs Submission: Complied Periodical EC compliance is being submitted. Last six-monthly EC compliance report for the period: April 2024 to September-2024 has been submitted through e-mail on 30/11/2024 to the respective Regional Office of MoEF and CC, Zonal Office of CPCB and HO/RO of RSPCB vide letter No.: NBH/PC-14/C11 dated 25.11.2024 and same has also been uploaded at MoEF and CC website.		Date: 28/05/2025
32	MISCELLANEOUS	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.

PPs Submission: Complied Unit has submitted the Environment Statement Report (ESR) in Form-V for the FY: 2023-24 for Cement Plant, 22 MW CPP and 13.2 MW WHRS to RSPCB Office vide our letter No.: NBH-PC-ESR, dated 24.09.2024, respectively.		Date: 28/05/2025
33	MISCELLANEOUS	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
PPs Submission: Complied The total existing capital investment of Rs. 893.20 crores for cement plant.		Date: 28/05/2025
34	MISCELLANEOUS	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
PPs Submission: Complied Complied with.		Date: 28/05/2025
35	MISCELLANEOUS	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
PPs Submission: Complied Noted, No further expansion or modifications in the plant will be done without prior approval of the MoEF and CC.		Date: 28/05/2025
36	MISCELLANEOUS	Concealing factual data or submission of false/ fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
PPs Submission: Complied Noted.		Date: 28/05/2025
37	MISCELLANEOUS	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
PPs Submission: Complied Noted		Date: 28/05/2025
38	MISCELLANEOUS	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
PPs Submission: Complied Agreed.		Date: 28/05/2025
39	MISCELLANEOUS	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data/information/monitoring reports.
PPs Submission: Complied Noted and agreed.		Date:

		28/05/2025
40	MISCELLANEOUS	Any appeal against this EC 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.
PPs Submission: Complied Noted and agreed.		Date: 28/05/2025
<p style="text-align: center;">Visit Remarks</p>		
Last Site Visit Report Date:		N/A
Additional Remarks:		In compliance to the MoEF and CC Office Memorandum F. No. IA3-22/8/2021-1A.III 150512 dated 18.07.2022 regarding Sensitization of project proponents on implementation of ban on Single Use Plastic SUP Unit has been conducted awareness program to their employee, stakeholders and to the society in nearby villages, photographs of the same is enclosed in as Annexure-07
<p>Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.</p>		

Annexure-1								
J.K. Cement WORKS, NIMBAHERA (RAJ)								
DATA SHEET FOR PARTICULATE MATTER EMISSION FROM POINT SOURCE								
HALF YEARLY REPORT FY-2024-25 (October' 2024 to March' 2025)								
DATE	NAME OF THE STACK / DUCT ATTACHED WITH UNIT	CROSS SECTIONAL AREA OF DUCT (M ²)	STACK GASES TEMP. (⁰ K)	STACK GASES VELOCITY (M / Sec.)	FLOW OF GASES IN STACK (NM ³ /Sec.)	DUST CONC. (Mg/NM ³)	MEAN DUST CONC. (Mg/NM ³)	EMISSION RATE (Ts/DAY)
October'2024								
01.10.2024	L.S. CRUSHER (B.F.)	0.26	332	8.76	2.04	12.9	15.1	0.002
09.10.2024	L.S. CRUSHER (B.F.)	0.26	335	8.49	1.96	15.7		0.003
16.10.2024	L.S. CRUSHER (B.F.)	0.26	331	8.29	1.94	15.8		0.003
23.10.2024	L.S. CRUSHER (B.F.)	0.26	333	8.47	1.97	15.8		0.003
November'2024								
01.11.2024	L.S. CRUSHER (B.F.)	0.26	335	8.65	2.00	9.4	9.5	0.002
08.11.2024	L.S. CRUSHER (B.F.)	0.26	333	8.77	2.04	9.6		0.002
15.11.2024	L.S. CRUSHER (B.F.)	0.26	330	8.35	1.96	9.1		0.002
23.11.2024	L.S. CRUSHER (B.F.)	0.26	338	8.53	1.96	9.9		0.002
December'2024								
04.12.2024	L.S. CRUSHER (B.F.)	0.26	338	8.84	2.03	7.5	7.8	0.001
11.12.2024	L.S. CRUSHER (B.F.)	0.26	331	8.97	2.10	7.6		0.001
18.12.2024	L.S. CRUSHER (B.F.)	0.26	335	8.42	1.95	8.2		0.001
25.12.2024	L.S. CRUSHER (B.F.)	0.26	333	8.70	2.02	7.9		0.001
January'2025								
02.01.2025	L.S. CRUSHER (B.F.)	0.26	332	8.68	2.03	9.2	9.4	0.002
17.01.2025	L.S. CRUSHER (B.F.)	0.26	334	8.63	2.00	9.6		0.002
21.01.2025	L.S. CRUSHER (B.F.)	0.26	335	8.42	1.95	9.4		0.002
24.01.2025	L.S. CRUSHER (B.F.)	0.26	333	8.55	1.99	9.3		0.002
February'2025								
14.02.2025	L.S. CRUSHER (B.F.)	0.26	334	8.56	1.99	9.9	10.6	0.002
07.02.2025	L.S. CRUSHER (B.F.)	0.26	336	8.43	1.94	9.9		0.002
20.02.2025	L.S. CRUSHER (B.F.)	0.26	333	8.62	2.01	10.7		0.002
25.02.2025	L.S. CRUSHER (B.F.)	0.26	335	8.49	1.96	11.8		0.002
March'2025								
03.03.2025	L.S. CRUSHER (B.F.)	0.26	332	8.68	2.03	9.2	9.4	0.002
11.03.2025	L.S. CRUSHER (B.F.)	0.26	334	8.63	2.00	9.6		0.002
20.03.2025	L.S. CRUSHER (B.F.)	0.26	335	8.42	1.95	9.4		0.002
26.03.2025	L.S. CRUSHER (B.F.)	0.26	333	8.55	1.99	9.3		0.002
October'2024								
STOPPED	KILN No.1 (Bag House)	Not in operation					-	STOPPED
November'2024								
STOPPED	KILN No.1 (Bag House)	Not in operation					-	STOPPED
December'2024								
STOPPED	KILN No.1 (Bag House)	Not in operation					-	STOPPED
January'2025								
STOPPED	KILN No.1 (Bag House)	Not in operation					-	STOPPED
February'2025								
STOPPED	KILN No.1 (Bag House)	Not in operation					-	STOPPED
March'2025								
STOPPED	KILN No.1 (Bag House)	Not in operation					-	STOPPED

DATE	NAME OF THE STACK / DUCT ATTACHED WITH UNIT	CROSS SECTIONAL AREA OF DUCT (M ²)	STACK GASES TEMP. (⁰ K)	STACK GASES VELOCITY (M / Sec.)	FLOW OF GASES IN STACK (NM ³ /Sec.)	DUST CONC. (Mg/NM ³)	MEAN DUST CONC. (Mg/NM ³)	EMISSION RATE (Ts/DAY)
October'2024								
STOPPED	KILN No. 2 (Bag house)	Not in operation					-	STOPPED
November'2024								
STOPPED	KILN No. 2 (Bag house)	Not in operation					-	STOPPED
December'2024								
STOPPED	KILN No. 2 (Bag house)	Not in operation					-	STOPPED
January'2025								
STOPPED	KILN No. 2 (Bag house)	Not in operation					-	STOPPED
February'2025								
STOPPED	KILN No. 2 (Bag house)	Not in operation					-	STOPPED
March'2025								
STOPPED	KILN No. 2 (Bag house)	STOPPED					6.6	STOPPED
13.03.2025	KILN No. 2 (Bag house)	3.80	382	15.36	190.40	11.10		0.183
20.03.2025	KILN No. 2 (Bag house)	3.80	381	15.53	193.01	7.30		0.122
25.03.2025	KILN No. 2 (Bag house)	3.80	377	15.30	192.17	8.10		0.134
October'2024								
05.10.2024	KILN No. 3 (Bag House)	15.89	403	14.20	166.85	7.20	8.0	0.104
12.10.2024	KILN No. 3 (Bag House)	15.89	401	14.38	169.81	9.20		0.135
19.10.2024	KILN No. 3 (Bag House)	15.89	394	14.52	174.51	8.20		0.124
26.10.2024	KILN No. 3 (Bag House)	15.89	399	14.88	176.59	7.50		0.114
November'2024								
04.11.2024	KILN No. 3 (Bag House)	15.89	398	13.77	163.83	13.70	12.9	0.194
12.11.2024	KILN No. 3 (Bag House)	15.89	396	13.45	160.83	12.10		0.168
18.11.2024	KILN No. 3 (Bag House)	15.89	401	14.43	170.40	11.20		0.165
25.11.2024	KILN No. 3 (Bag House)	15.89	399	14.18	168.28	14.70		0.214
December'2024								
02.12.2024	KILN No. 3 (Bag House)	15.89	393	13.52	162.90	13.80	14.3	0.194
09.12.2024	KILN No. 3 (Bag House)	15.89	398	13.94	165.85	16.10		0.231
16.12.2024	KILN No. 3 (Bag House)	15.89	399	14.40	170.90	13.40		0.198
23.12.2024	KILN No. 3 (Bag House)	15.89	393	14.02	168.93	13.70		0.200
January'2025								
01.01.2025	KILN No. 3 (Bag House)	15.89	383	13.57	167.77	14.80	13.5	0.215
04.01.2025	KILN No. 3 (Bag House)	15.89	381	14.83	184.31	18.60		0.296
27.01.2025	KILN No. 3 (Bag House)	15.89	377	13.94	175.09	10.30		0.156
28.01.2025	KILN No. 3 (Bag House)	15.89	385	13.87	170.59	10.30		0.152
February'2025								
03.02.2025	KILN No. 3 (Bag House)	15.89	385	14.04	172.68	14.00	14.5	0.209
06.02.2025	KILN No. 3 (Bag House)	15.89	383	13.40	165.67	18.80		0.269
21.02.2025	KILN No. 3 (Bag House)	15.89	379	14.85	185.54	12.50		0.200
27.02.2025	KILN No. 3 (Bag House)	15.89	384	15.05	185.59	12.60		0.202
March'2025								
03.03.2025	KILN No. 3 (Bag House)	15.89	385	13.77	169.36	12.70	13.3	0.186
06.03.2025	KILN No. 3 (Bag House)	15.89	382	13.98	173.29	13.30		0.199
18.03.2025	KILN No. 3 (Bag House)	15.89	382	14.45	179.12	13.60		0.210
25.03.2025	KILN No. 3 (Bag House)	15.89	383	14.42	178.28	13.60		0.209

DATE	NAME OF THE STACK / DUCT ATTACHED WITH UNIT	CROSS SECTIONAL AREA OF DUCT (M ²)	STACK GASES TEMP. (⁰ K)	STACK GASES VELOCITY (M / Sec.)	FLOW OF GASES IN STACK (NM ³ /Sec.)	DUST CONC. (Mg/NM ³)	MEAN DUST CONC. (Mg/NM ³)	EMISSION RATE (Ts/DAY)
October'2024								
05.10.2024	FOLAX COOLER (E.S.P)	12.56	398	9.33	110.16	23.70	12.7	0.300
12.10.2024	FOLAX COOLER (E.S.P)	12.56	395	9.78	116.21	9.10		0.280
19.10.2024	FOLAX COOLER (E.S.P)	12.56	393	10.73	126.69	9.00		0.260
26.10.2024	FOLAX COOLER (E.S.P)	12.56	395	9.46	112.05	9.00		0.087
November'2024								
04.11.2024	FOLAX COOLER (E.S.P)	12.56	395	9.70	115.26	12.80	12.4	0.300
12.11.2024	FOLAX COOLER (E.S.P)	12.56	393	9.19	108.51	7.10		0.280
18.11.2024	FOLAX COOLER (E.S.P)	12.56	398	10.36	122.71	16.20		0.260
25.11.2024	FOLAX COOLER (E.S.P)	12.56	395	9.86	116.42	13.60		0.137
December'2024								
02.12.2024	FOLAX COOLER (E.S.P)	12.56	398	14.00	166.35	8.40	8.4	0.300
09.12.2024	FOLAX COOLER (E.S.P)	12.56	393	13.23	158.21	7.90		0.280
16.12.2024	FOLAX COOLER (E.S.P)	12.56	398	15.12	178.52	9.10		0.260
23.12.2024	FOLAX COOLER (E.S.P)	12.56	395	14.33	171.36	8.30		0.123
January'2025								
01.01.2025	FOLAX COOLER (E.S.P)	12.56	381	9.68	127.87	5.80	4.7	0.300
22.01.2025	FOLAX COOLER (E.S.P)	12.56	377	9.32	115.74	4.00		0.280
25.01.2025	FOLAX COOLER (E.S.P)	12.56	379	9.96	124.51	4.80		0.260
30.01.2025	FOLAX COOLER (E.S.P)	12.56	375	9.68	119.74	4.00		0.041
February'2025								
05.02.2025	FOLAX COOLER (E.S.P)	12.56	384	9.41	118.73	4.40	9.7	0.300
13.02.2025	FOLAX COOLER (E.S.P)	12.56	382	9.62	120.36	13.70		0.280
22.02.2025	FOLAX COOLER (E.S.P)	12.56	380	9.90	125.25	10.90		0.260
25.02.2025	FOLAX COOLER (E.S.P)	12.56	385	9.73	120.43	9.80		0.102
March'2025								
07.03.2025	FOLAX COOLER (E.S.P)	12.56	384	9.72	118.12	9.50	11.8	0.300
13.03.2025	FOLAX COOLER (E.S.P)	12.56	382	9.38	112.96	13.80		0.280
19.03.2025	FOLAX COOLER (E.S.P)	12.56	377	9.48	114.53	11.30		0.260
27.03.2025	FOLAX COOLER (E.S.P)	12.56	375	9.53	115.03	12.50		0.124
October'2024								
05.10.2024	COAL MILL - 3 (B.F.)	3.52	345	9.50	31.44	4.8	7.4	0.013
12.10.2024	COAL MILL - 3 (B.F.)	3.52	343	8.89	29.70	8.3		0.021
19.10.2024	COAL MILL - 3 (B.F.)	3.52	342	10.27	34.20	6.2		0.018
26.10.2024	COAL MILL - 3 (B.F.)	3.52	344	10.62	35.25	10.2		0.031
November'2024								
04.11.2024	COAL MILL - 3 (B.F.)	3.52	343	9.40	31.30	9.0	11.4	0.024
12.11.2024	COAL MILL - 3 (B.F.)	3.52	345	9.85	33.01	10.7		0.031
18.11.2024	COAL MILL - 3 (B.F.)	3.52	341	10.13	33.84	11.7		0.034
25.11.2024	COAL MILL - 3 (B.F.)	3.52	338	10.41	34.56	14.3		0.043
December'2024								
02.12.2024	COAL MILL - 3 (B.F.)	3.52	341	9.73	32.40	13.9	11.5	0.039
09.12.2024	COAL MILL - 3 (B.F.)	3.52	343	9.33	31.27	11.2		0.030
16.12.2024	COAL MILL - 3 (B.F.)	3.52	348	9.18	30.67	11.8		0.031
23.12.2024	COAL MILL - 3 (B.F.)	3.52	338	10.53	34.95	9.2		0.028
January'2025								
18.01.2025	COAL MILL - 3 (B.F.)	3.52	342	9.88	36.47	10.4	6.5	0.033
22.01.2025	COAL MILL - 3 (B.F.)	3.52	347	10.08	35.07	3.3		0.010
24.01.2025	COAL MILL - 3 (B.F.)	3.52	337	9.67	34.42	5.8		0.017
28.01.2025	COAL MILL - 3 (B.F.)	3.52	339	9.56	33.94	6.6		0.019
February'2025								
01.02.2025	COAL MILL - 3 (B.F.)	3.52	343	9.75	33.95	9.9	11.8	0.029
17.02.2025	COAL MILL - 3 (B.F.)	3.52	346	9.66	33.03	12.4		0.035
23.02.2025	COAL MILL - 3 (B.F.)	3.52	342	9.94	34.22	12.4		0.037
27.02.2025	COAL MILL - 3 (B.F.)	3.52	344	9.49	32.61	12.4		0.035
March'2025								
04.03.2025	COAL MILL - 3 (B.F.)	3.52	345	9.78	33.92	12.4	12.4	0.036
12.03.2025	COAL MILL - 3 (B.F.)	3.52	344	9.97	33.46	12.2		0.035
19.03.2025	COAL MILL - 3 (B.F.)	3.52	346	9.66	33.29	12.6		0.036
24.03.2025	COAL MILL - 3 (B.F.)	3.52	343	9.89	33.31	12.5		0.036

DATE	NAME OF THE STACK / DUCT ATTACHED WITH UNIT	CROSS SECTIONAL AREA OF DUCT (M ²)	STACK GASES TEMP. (⁰ K)	STACK GASES VELOCITY (M / Sec.)	FLOW OF GASES IN STACK (NM ³ /Sec.)	DUST CONC. (Mg/NM ³)	MEAN DUST CONC. (Mg/NM ³)	EMISSION RATE (Ts/DAY)
October'2024								
STOPPED	COAL MILL - 4 (B.F.)	STOPPED					-	STOPPED
	COAL MILL - 4 (B.F.)							STOPPED
	COAL MILL - 4 (B.F.)							STOPPED
	COAL MILL - 4 (B.F.)							STOPPED
November'2024								
STOPPED	COAL MILL - 4 (B.F.)	STOPPED					-	STOPPED
	COAL MILL - 4 (B.F.)							STOPPED
	COAL MILL - 4 (B.F.)							STOPPED
	COAL MILL - 4 (B.F.)							STOPPED
December'2024								
STOPPED	COAL MILL - 4 (B.F.)	STOPPED					-	STOPPED
	COAL MILL - 4 (B.F.)							STOPPED
	COAL MILL - 4 (B.F.)							STOPPED
	COAL MILL - 4 (B.F.)							STOPPED
January'2025								
STOPPED	COAL MILL - 4 (B.F.)	STOPPED					-	STOPPED
	COAL MILL - 4 (B.F.)							STOPPED
	COAL MILL - 4 (B.F.)							STOPPED
	COAL MILL - 4 (B.F.)							STOPPED
February'2025								
STOPPED	COAL MILL - 4 (B.F.)	STOPPED					-	STOPPED
	COAL MILL - 4 (B.F.)							STOPPED
	COAL MILL - 4 (B.F.)							STOPPED
	COAL MILL - 4 (B.F.)							STOPPED
March'2025								
STOPPED	COAL MILL - 4 (B.F.)	STOPPED					-	STOPPED
	COAL MILL - 4 (B.F.)							STOPPED
	COAL MILL - 4 (B.F.)							STOPPED
	COAL MILL - 4 (B.F.)							STOPPED
October'2024								
03.10.2024	CEMENT MILL - 1 (BAG FILTER)	0.28	363	12.60	3.33	5.9	7.7	0.002
10.10.2024	CEMENT MILL - 1 (BAG FILTER)	0.28	360	13.31	3.53	6.20		0.002
17.10.2024	CEMENT MILL - 1 (BAG FILTER)	0.28	363	12.99	3.46	8.50		0.003
21.10.2024	CEMENT MILL - 1 (BAG FILTER)	0.28	361	13.49	3.58	10.00		0.003
November'2024								
02.11.2024	CEMENT MILL - 1 (BAG FILTER)	0.28	358.00	13.12	3.48	11.80	10.20	0.004
16.11.2024	CEMENT MILL - 1 (BAG FILTER)	0.28	365.00	12.92	3.42	9.50		0.003
20.11.2024	CEMENT MILL - 1 (BAG FILTER)	0.28	361.00	12.95	3.44	8.30		0.002
26.11.2024	CEMENT MILL - 1 (BAG FILTER)	0.28	363.00	13.37	3.56	11.20		0.003
December'2024								
03.12.2024	CEMENT MILL - 1 (BAG FILTER)	0.28	365	12.64	3.37	9.40	8.58	0.003
16.12.2024	CEMENT MILL - 1 (BAG FILTER)	0.28	361	12.85	3.41	9.60		0.003
26.12.2024	CEMENT MILL - 1 (BAG FILTER)	0.28	363	13.26	3.51	8.60		0.003
27.12.2024	CEMENT MILL - 1 (BAG FILTER)	0.28	359	12.92	3.43	6.70		0.002
January'2025								
01.01.2025	CEMENT MILL - 1 (BAG FILTER)	0.28	362	13.67	4.03	17.8	5.8	0.006
03.01.2025	CEMENT MILL - 1 (BAG FILTER)	0.28	357	13.15	3.67	5.20		0.002
STOPPED	CEMENT MILL - 1 (BAG FILTER)	STOPPED						STOPPED
STOPPED	CEMENT MILL - 1 (BAG FILTER)							STOPPED
February'2025								
STOPPED	CEMENT MILL - 1 (BAG FILTER)	STOPPED					13.43	STOPPED
07.02.2025	CEMENT MILL - 1 (BAG FILTER)	0.28	357.19	13.15	3.72	10.30		0.003
19.02.2025	CEMENT MILL - 1 (BAG FILTER)	0.28	355.24	12.19	3.43	11.10		0.003
28.02.2025	CEMENT MILL - 1 (BAG FILTER)	0.28	352.35	12.80	3.51	18.90		0.006
March'2025								
01.03.2025	CEMENT MILL - 1 (BAG FILTER)	0.28	363	14.34	3.90	8.90	7.53	0.003
10.03.2025	CEMENT MILL - 1 (BAG FILTER)	0.28	361	14.00	3.76	5.90		0.002
16.03.2025	CEMENT MILL - 1 (BAG FILTER)	0.28	357	14.17	3.85	8.20		0.003
27.03.2025	CEMENT MILL - 1 (BAG FILTER)	0.28	357	13.82	3.75	7.10		0.002

DATE	NAME OF THE STACK / DUCT ATTACHED WITH UNIT	CROSS SECTIONAL AREA OF DUCT (M ²)	STACK GASES TEMP. (⁰ K)	STACK GASES VELOCITY (M / Sec.)	FLOW OF GASES IN STACK (NM ³ /Sec.)	DUST CONC. (Mg/NM ³)	MEAN DUST CONC. (Mg/NM ³)	EMISSION RATE (Ts/DAY)
October'2024								
04.10.2024	CEMENT MILL - 2 (BAG FILTER)	0.61	351	12.68	7.36	9.70	8.88	0.006
09.10.2024	CEMENT MILL - 2 (BAG FILTER)	0.61	353	13.09	7.58	9.50		0.006
25.10.2024	CEMENT MILL - 2 (BAG FILTER)	0.61	355	13.65	7.88	7.60		0.005
30.10.2024	CEMENT MILL - 2 (BAG FILTER)	0.61	351	12.79	7.38	8.70		0.006
November'2024								
06.11.2024	CEMENT MILL - 2 (BAG FILTER)	0.61	353	12.11	7.01	10.80	8.75	0.007
11.11.2024	CEMENT MILL - 2 (BAG FILTER)	0.61	351	12.57	7.30	8.20		0.005
20.11.2024	CEMENT MILL - 2 (BAG FILTER)	0.61	353	12.72	7.34	6.90		0.004
27.11.2024	CEMENT MILL - 2 (BAG FILTER)	0.61	355	12.48	7.25	9.10		0.006
December'2024								
03.12.2024	CEMENT MILL - 2 (BAG FILTER)	0.61	357	12.46	7.21	10.5	8.9	0.007
18.12.2024	CEMENT MILL - 2 (BAG FILTER)	0.61	353	12.28	7.11	8.5		0.005
24.12.2024	CEMENT MILL - 2 (BAG FILTER)	0.61	351	11.96	6.95	7.3		0.004
25.12.2024	CEMENT MILL - 2 (BAG FILTER)	0.61	353	12.44	7.18	9.1		0.006
January'2025								
STOPPED	CEMENT MILL - 2 (BAG FILTER)	STOPPED					-	
	CEMENT MILL - 2 (BAG FILTER)							
	CEMENT MILL - 2 (BAG FILTER)							
	CEMENT MILL - 2 (BAG FILTER)							
February'2025								
STOPPED	CEMENT MILL - 2 (BAG FILTER)	STOPPED					-	
	CEMENT MILL - 2 (BAG FILTER)							
	CEMENT MILL - 2 (BAG FILTER)							
	CEMENT MILL - 2 (BAG FILTER)							
March'2025								
01.03.2025	CEMENT MILL - 2 (BAG FILTER)	0.61	361	14.02	8.38	5.3	6.5	0.004
06.03.2025	CEMENT MILL - 2 (BAG FILTER)	0.61	359	14.13	8.60	7.5		0.006
11.03.2025	CEMENT MILL - 2 (BAG FILTER)	0.61	365	14.64	8.56	6.9		0.005
27.03.2025	CEMENT MILL - 2 (BAG FILTER)	0.61	362	14.29	8.45	6.4		0.005
October'2024								
04.10.2024	CEMENT MILL - 3 (BAG FILTER)	0.50	364	13.72	6.48	7.4	7.1	0.004
09.10.2024	CEMENT MILL - 3 (BAG FILTER)	0.50	366	13.49	6.41	6.5		0.004
25.10.2024	CEMENT MILL - 3 (BAG FILTER)	0.50	363	13.28	6.27	6.9		0.004
30.10.2024	CEMENT MILL - 3 (BAG FILTER)	0.50	360	14.40	6.82	7.4		0.004
November'2024								
06.11.2024	CEMENT MILL - 3 (BAG FILTER)	0.50	363	12.67	5.98	16.2	14.8	0.008
11.11.2024	CEMENT MILL - 3 (BAG FILTER)	0.50	365	13.84	6.58	17.3		0.010
20.11.2024	CEMENT MILL - 3 (BAG FILTER)	0.50	364	12.97	6.13	12.4		0.007
27.11.2024	CEMENT MILL - 3 (BAG FILTER)	0.50	365	13.58	6.43	13.4		0.007
December'2024								
03.12.2024	CEMENT MILL - 3 (BAG FILTER)	0.50	363	12.73	6.05	10.4	8.9	0.005
10.12.2024	CEMENT MILL - 3 (BAG FILTER)	0.50	365	13.26	6.30	9.1		0.005
17.12.2024	CEMENT MILL - 3 (BAG FILTER)	0.50	365	12.99	6.17	7.0		0.004
24.12.2024	CEMENT MILL - 3 (BAG FILTER)	0.50	367	13.40	6.41	9.1		0.005
January'2025								
04.01.2025	CEMENT MILL - 3 (BAG FILTER)	0.50	359	12.94	6.43	5.2	10.3	0.003
18.01.2025	CEMENT MILL - 3 (BAG FILTER)	0.50	363	13.28	6.66	10.1		0.006
21.01.2025	CEMENT MILL - 3 (BAG FILTER)	0.50	358	13.08	6.51	9.6		0.005
27.01.2025	CEMENT MILL - 3 (BAG FILTER)	0.50	361	13.29	6.60	16.4		0.009
February'2025								
01.02.2025	CEMENT MILL - 3 (BAG FILTER)	0.50	363	13.28	6.80	16.5	14.0	0.010
03.02.2025	CEMENT MILL - 3 (BAG FILTER)	0.50	357	13.06	6.49	21.6		0.012
08.02.2025	CEMENT MILL - 3 (BAG FILTER)	0.50	359	12.88	6.47	17.7		0.010
STOPPED	CEMENT MILL - 3 (BAG FILTER)	STOPPED						
March'2025								
02.03.2025	CEMENT MILL - 3 (BAG FILTER)	0.50	367	13.62	6.72	7.3	6.7	0.004
11.03.2025	CEMENT MILL - 3 (BAG FILTER)	0.50	363	14.31	6.89	4.1		0.002
17.03.2025	CEMENT MILL - 3 (BAG FILTER)	0.50	366	13.76	6.79	4.2		0.002
25.03.2025	CEMENT MILL - 3 (BAG FILTER)	0.50	362	13.26	6.39	11.3		0.006

DATE	NAME OF THE STACK / DUCT ATTACHED WITH UNIT	CROSS SECTIONAL AREA OF DUCT (M ²)	STACK GASES TEMP. (⁰ K)	STACK GASES VELOCITY (M / Sec.)	FLOW OF GASES IN STACK (NM ³ /Sec.)	DUST CONC. (Mg/NM ³)	MEAN DUST CONC. (Mg/NM ³)	EMISSION RATE (Ts/DAY)
October'2024								
05.10.2024	CEMENT MILL - 4 (BAG FILTER)	0.63	353	13.30	7.98	7.6	8.7	0.005
09.10.2024	CEMENT MILL - 4 (BAG FILTER)	0.63	359	13.73	8.18	7.9		0.006
25.10.2024	CEMENT MILL - 4 (BAG FILTER)	0.63	365	13.58	8.04	8.5		0.006
30.10.2024	CEMENT MILL - 4 (BAG FILTER)	0.63	368	14.60	8.65	10.9		0.008
November'2024								
07.11.2024	CEMENT MILL - 4 (BAG FILTER)	0.63	363	12.95	7.67	7.4	7.0	0.005
16.11.2024	CEMENT MILL - 4 (BAG FILTER)	0.63	365	13.26	7.90	6.8		0.005
20.11.2024	CEMENT MILL - 4 (BAG FILTER)	0.63	359	13.88	8.22	6.6		0.005
26.11.2024	CEMENT MILL - 4 (BAG FILTER)	0.63	363	13.38	7.92	7.0		0.005
December'2024								
04.12.2024	CEMENT MILL - 4 (BAG FILTER)	0.63	363	12.95	7.67	10.7	9.1	0.007
11.12.2024	CEMENT MILL - 4 (BAG FILTER)	0.63	365	13.26	7.90	10.6		0.007
18.12.2024	CEMENT MILL - 4 (BAG FILTER)	0.63	359	13.88	8.22	8.0		0.006
25.12.2024	CEMENT MILL - 4 (BAG FILTER)	0.63	363	13.38	7.92	7.2		0.005
January'2025								
04.01.2025	CEMENT MILL - 4 (BAG FILTER)	0.63	364	13.30	8.28	3.6	9.9	0.003
16.01.2025	CEMENT MILL - 4 (BAG FILTER)	0.63	362	13.52	8.84	9.7		0.007
19.01.2025	CEMENT MILL - 4 (BAG FILTER)	0.63	357	13.59	8.93	15.0		0.012
23.01.2025	CEMENT MILL - 4 (BAG FILTER)	0.63	361	13.08	8.36	11.3		0.008
February'2025								
03.02.2025	CEMENT MILL - 4 (BAG FILTER)	0.63	362	13.15	8.39	13.0	11.5	0.009
06.02.2025	CEMENT MILL - 4 (BAG FILTER)	0.63	360	13.33	8.38	14.2		0.010
17.02.2025	CEMENT MILL - 4 (BAG FILTER)	0.63	355	13.29	8.39	8.2		0.006
28.02.2025	CEMENT MILL - 4 (BAG FILTER)	0.63	359	13.15	8.03	10.4		0.007
March'24								
01.03.2025	CEMENT MILL - 4 (BAG FILTER)	0.63	365	13.94	8.62	6.0	9.2	0.004
09.03.2025	CEMENT MILL - 4 (BAG FILTER)	0.63	362	13.47	8.36	9.6		0.007
18.03.2025	CEMENT MILL - 4 (BAG FILTER)	0.63	361	14.17	8.64	9.5		0.007
26.03.2025	CEMENT MILL - 4 (BAG FILTER)	0.63	363	14.06	8.45	11.8		0.009



Report No. 20241227047

Report Issue Date: 06.01.2025

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600001761 Dated: - 21.05.2024
3. Date of Monitoring : 24.12.2024
4. Sample Identification : Stack Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 27.12.2024
7. Period of Analysis : 27.12.2024 to 06.01.2025
8. Name of Location : Stack attached to Line- 03 Kiln
9. Method of Sampling : IS:11255(Part 1, Part 2, & Part 7) & Instrument Manual

S. No	Stack Details	Description	Unit
1.	Height of stack	174	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	4.5	Meter

Results

S. No.	Test Id	Time (Hrs)	Temp. (°C)	Velocity (m/S)	Flow Rate (Nm3/S)	Limits: - As Per CTO Section 25/26 Act 1974		
						PM (mg/Nm ³)	SO ₂ (mg/Nm ³)	NO _x (mg/Nm ³)
						30	100	800
Chemical Testing- Atmospheric Pollution- Stack Emission								
1.	1 st	08:30 AM	163	11.69	123.69	12.35	39.90	584.80
2.	2 nd	09:10 AM	162	11.51	122.04	12.88	41.33	576.95
3.	3 rd	09:50 AM	170	11.84	123.24	14.30	41.78	587.43

Tested By

Authorized Signatory

(Leena Sharma)
Chemist

(Amreesh Kumar)
Dy.GM [Technical]

Note

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



TC - 5941





Report No. 20241227048

Report Issue Date: 06.01.2025

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600001761 Dated: - 21.05.2024
3. Date of Monitoring : 25.12.2024
4. Sample Identification : Stack Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 27.12.2024
7. Period of Analysis : 27.12.2024 to 06.01.2025
8. Name of Location : Stack attached to Cooler- Line- 03
9. Method of Sampling : IS:11255(Part 1) & Instrument Manual

S. No	Stack Details	Description	Unit
1.	Height of stack	54.65	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	4.0	Meter

Results

S. No.	Test Id	Time (Hrs)	Temp. (°C)	Velocity (m/S)	Flow Rate (Nm3/S)	Limits: - As Per CTO Section 25/26 Act 1974
						PM (mg/Nm³)
						30
Chemical Testing- Atmospheric Pollution- Stack Emission						
1.	1 st	08:30 AM	107	13.85	132.84	5.05
2.	2 nd	09:10 AM	110	13.33	126.83	5.11
3.	3 rd	09:50 AM	105	13.37	128.95	5.65

Tested By

Authorized Signatory

(Leena Sharma)
Chemist

(Amreesh Kumar)
Dy.GM [Technical]

Note

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Page 1 of 1
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TC - 5941



Report No. 20241227049

Report Issue Date: 06.01.2025

TEST REPORT

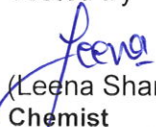
1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600001761 Dated: - 21.05.2024
3. Date of Monitoring : 24.12.2024
4. Sample Identification : Stack Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 27.12.2024
7. Period of Analysis : 27.12.2024 to 06.01.2025
8. Name of Location : Stack attached to Coal Mill-03-VRM
9. Method of Sampling : IS:11255(Part 1) & Instrument Manual

S. No	Stack Details	Description	Unit
1.	Height of stack	47.50	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	2.12	Meter

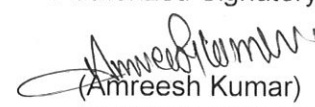
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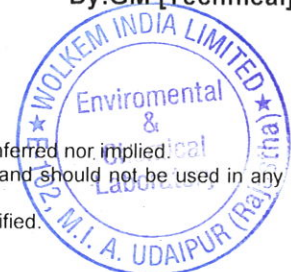
S. No.	Test Id	Time (Hrs)	Temp. (°C)	Velocity (m/S)	Flow Rate (Nm3/S)	Limits: - As Per CTO Section 25/26 Act 1974
						PM (mg/Nm³)
						30
Chemical Testing- Atmospheric Pollution- Stack Emission						
1.	1 st	04:19 PM	67	9.92	29.86	8.98
2.	2 nd	04:58 PM	66	9.94	30.01	11.46
3.	3 rd	05:37 PM	67	9.99	30.08	11.07

Tested By


(Leena Sharma)
Chemist

Authorized Signatory


(Amreesh Kumar)
Dy.GM [Technical]



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Page 1 of 1
End of Report



Report No. 20241227050

Report Issue Date: 06.01.2025

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600001761 Dated: - 21.05.2024
3. Date of Monitoring : 27.12.2024
4. Sample Identification : Stack Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 27.12.2024
7. Period of Analysis : 27.12.2024 to 06.01.2025
8. Name of Location : Stack attached to Cement Mill-01
9. Method of Sampling : IS:11255(Part 1) & Instrument Manual

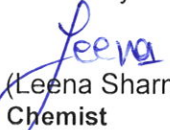
S. No	Stack Details	Description	Unit
1.	Height of stack	30.0	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	0.63	Meter

Results

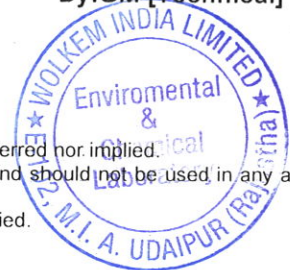
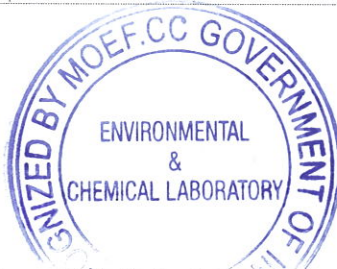
S. No.	Test Id	Time (Hrs)	Temp. (°C)	Velocity (m/S)	Flow Rate (Nm3/S)	Limits: - As Per CTO Section 25/26 Act 1974
						PM (mg/Nm³)
						30
Chemical Testing- Atmospheric Pollution- Stack Emission						
1.	1 st	08:30 AM	49	17.88	5.02	6.16
2.	2 nd	09:10 AM	50	17.79	4.98	5.88
3.	3 rd	09:50 AM	48	17.70	4.98	5.35

Tested By

Authorized Signatory


(Leena Sharma)
Chemist


(Amreesh Kumar)
Dy. GM [Technical]



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Page 1 of 1
End of Report





Report No. 20241227051

Report Issue Date: 06.01.2025

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600001761 Dated: - 21.05.2024
3. Date of Monitoring : 25.12.2024
4. Sample Identification : Stack Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 27.12.2024
7. Period of Analysis : 27.12.2024 to 06.01.2025
8. Name of Location : Stack attached to Cement Mill-02
9. Method of Sampling : IS:11255(Part 1) & Instrument Manual

S. No	Stack Details	Description	Unit
1.	Height of stack	30.0	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	0.65	Meter

Results

S. No.	Test Id	Time (Hrs)	Temp. (°C)	Velocity (m/S)	Flow Rate (Nm3/S)	Limits: - As Per CTO Section 25/26 Act 1974
						PM (mg/Nm³)
						30
Chemical Testing- Atmospheric Pollution- Stack Emission						
1.	1 st	03:15 PM	58	18.27	5.31	5.01
2.	2 nd	04:00 PM	60	18.39	5.31	5.59
3.	3 rd	04:40 PM	55	18.12	5.32	5.43

Tested By

Leena
(Leena Sharma)
Chemist



Authorized Signatory

Amreesh Kumar
(Amreesh Kumar)
Dy. GM [Technical]



Note

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Report No. 20241227052

Report Issue Date: 06.01.2025

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600001761 Dated: - 21.05.2024
3. Date of Monitoring : 24.12.2024
4. Sample Identification : Stack Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 27.12.2024
7. Period of Analysis : 27.12.2024 to 06.01.2025
8. Name of Location : Stack attached to Cement Mill-03
9. Method of Sampling : IS:11255(Part 1) & Instrument Manual

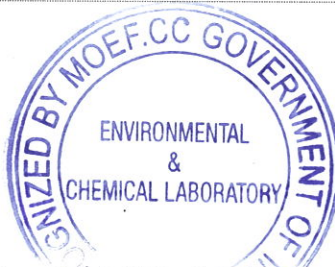
S. No	Stack Details	Description	Unit
1.	Height of stack	30.0	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	0.60	Meter

Results

S. No.	Test Id	Time (Hrs)	Temp. (°C)	Velocity (m/S)	Flow Rate (Nm3/S)	Limits: - As Per CTO Section 25/26 Act 1974
						PM (mg/Nm³)
						30
Chemical Testing- Atmospheric Pollution- Stack Emission						
1.	1 st	03:15 PM	62	18.07	4.42	12.02
2.	2 nd	04:00 PM	60	18.03	4.44	12.17
3.	3 rd	04:40 PM	61	18.10	4.44	10.74

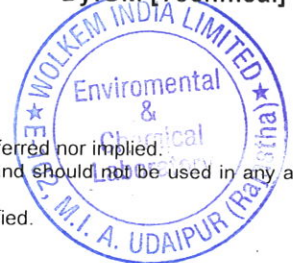
Tested By

Leena
(Leena Sharma)
Chemist



Authorized Signatory

Amreesh Kumar
(Amreesh Kumar)
Dy. GM [Technical]



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Page 1 of 1
End of Report



TC - 5941



Report No. 20241227054

Report Issue Date: 06.01.2025

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600001761 Dated: - 21.05.2024
3. Date of Monitoring : 25.12.2024
4. Sample Identification : Stack Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 27.12.2024
7. Period of Analysis : 27.12.2024 to 06.01.2025
8. Name of Location : Stack attached to Cement Mill-HRP
9. Method of Sampling : IS:11255(Part 1) & Instrument Manual

S. No	Stack Details	Description	Unit
1.	Height of stack	58	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	3.0	Meter

Results

S. No.	Test Id	Time (Hrs)	Temp. (°C)	Velocity (m/S)	Flow Rate (Nm3/S)	Limits - As Per CTO Section 25/26 Act 1974
						PM (mg/Nm ³)
						30
Chemical Testing- Atmospheric Pollution- Stack Emission						
1.	1 st	11:30 AM	52	7.86	49.59	10.22
2.	2 nd	12:10 PM	54	7.75	48.61	5.59
3.	3 rd	12:50 PM	57	7.99	49.61	8.14

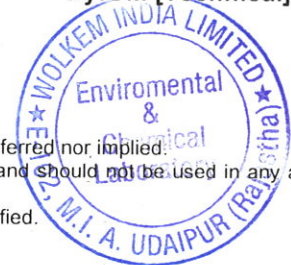
Tested By

Leena
(Leena Sharma)
Chemist



Authorized Signatory

Amreesh Kumar
(Amreesh Kumar)
Dy. GM [Technical]



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Page 1 of 1
End of Report



Report No. 20241229022

Report Issue Date: 06.01.2025

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600001761 Dated: - 21.05.2024
3. Date of Monitoring : 29.12.2024
4. Sample Identification : Stack Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 29.12.2024
7. Period of Analysis : 29.12.2024 to 06.01.2025
8. Name of Location : Stack attached to Cement Mill-04
9. Method of Sampling : IS:11255(Part 1) & Instrument Manual

S. No	Stack Details	Description	Unit
1.	Height of stack	30.0	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	0.90	Meter

Results

S. No.	Test Id	Time (Hrs)	Temp. (°C)	Velocity (m/S)	Flow Rate (Nm3/S)	Limits: - As Per CTO Section 25/26 Act 1974
						PM (mg/Nm ³)
						30
Chemical Testing- Atmospheric Pollution- Stack Emission						
1.	1 st	11:20 AM	48	12.10	6.96	5.14
2.	2 nd	12:01 PM	49	12.15	6.96	5.55
3.	3 rd	12:45 PM	48	12.17	6.99	4.84

Tested By

Authorized Signatory

(Leena Sharma)
Chemist

(Amreesh Kumar)
Dy.GM [Technical]



Note

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Page 1 of 1
End of Report



TC - 5941





Report No. 20241227055

Report Issue Date: 06.01.2025

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600001761 Dated: - 21.05.2024
3. Date of Monitoring : 26.12.2024
4. Sample Identification : Stack Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 27.12.2024
7. Period of Analysis : 27.12.2024 to 06.01.2025
8. Name of Location : Stack attached to LS-Crusher
9. Method of Sampling : IS:11255(Part 1) & Instrument Manual

S. No	Stack Details	Description	Unit
1.	Height of stack	30.0	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	0.58	Meter

Results

S. No.	Test Id	Time (Hrs)	Temp. (°C)	Velocity (m/S)	Flow Rate (Nm3/S)	Limits: - As Per CTO Section 25/26 Act 1974
						PM (mg/Nm³)
						30
Chemical Testing- Atmospheric Pollution- Stack Emission						
1.	1 st	08:45 AM	21	8.35	2.18	17.83

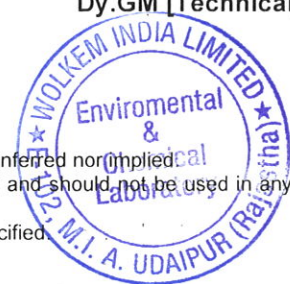
Tested By

Leena
(Leena Sharma)
Chemist



Authorized Signatory

Amreesh Kumar
(Amreesh Kumar)
Dy.GM [Technical]



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Page 1 of 1
End of Report



TC - 5941





Report No. 20241227056

Report Issue Date: 06.01.2025

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600001761 Dated: - 21.05.2024
3. Date of Monitoring : 26.12.2024
4. Sample Identification : Stack Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 27.12.2024
7. Period of Analysis : 27.12.2024 to 06.01.2025
8. Name of Location : Stack attached to Maliakhera- Crusher
9. Method of Sampling : IS:11255(Part 1) & Instrument Manual

S. No	Stack Details	Description	Unit
1.	Height of stack	30.0	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	1.50	Meter

Results

Results						
S. No.	Test Id	Time (Hrs)	Temp. (°C)	Velocity (m/S)	Flow Rate (Nm3/S)	Limits: - As Per CTO Section 25/26 Act 1974
						PM (mg/Nm³)
						30
Chemical Testing- Atmospheric Pollution- Stack Emission						
1.	1 st	09:50 AM	47	11.80	18.89	15.25

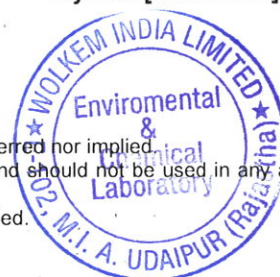
Tested By

Authorized Signatory

Leena
(Leena Sharma)
Chemist



Amreesh Kumar
(Amreesh Kumar)
Dy.GM [Technical]



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Page 1 of 1
End of Report



TC - 5941





Report No. 20250306002

ULR No. TC594125000000930F

Report Issue Date: 10.03.2025

TEST REPORT



1. **Name of Customer** : M/s J.K. Cement Works Nimbahera,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA),
2. **Purchase Order Number** : 4600001761 Dated: - 21.05.2024
3. **Date of Monitoring** : 03.03.2025
4. **Sample Identification** : Stack Sample
5. **Condition of Sample** : Sealed/Ok
6. **Sample Received On** : 06.03.2025
7. **Period of Analysis** : 06.03.2025 to 10.03.2025
8. **Name of Location** : Stack attached to Line- 03 Kiln
9. **Method of Sampling** : IS:11255(Part 1, Part 2, & Part 7) & Instrument
Manual

S. No	Stack Details	Description	Unit
1.	Height of stack	174	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	4.5	Meter

Results

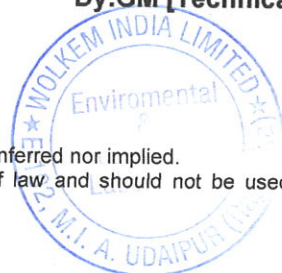
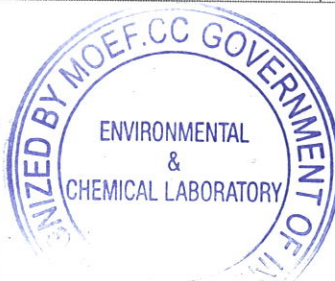
S. No.	Test Id	Time (Hrs)	Temp. (°C)	Velocity (m/S)	Flow Rate (Nm3/S)	Limits: - As Per CTO Section 25/26 Act 1974		
						PM (mg/Nm ³)	SO ₂ (mg/Nm ³)	NO _x (mg/Nm ³)
						30	100	800
Chemical - Atmospheric Pollution- Stack Emission								
1.	1 st	11:45 AM	121	13.44	157.39	12.33	BDL (<5)	351.19
2.	2 nd	12:40 PM	123	12.73	148.27	13.21	BDL (<5)	395.10
3.	3 rd	01:35 PM	121	12.88	150.83	12.52	BDL (<5)	404.11

Tested By

Authorized Signatory

(Leena Sharma)
Chemist

(Amreesh Kumar)
Dy.GM [Technical]



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Report No. 20250306003

ULR No. TC594125000000931F

Report Issue Date: 10.03.2025

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600001761 Dated: - 21.05.2024
3. Date of Monitoring : 03.03.2025
4. Sample Identification : Stack Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 06.03.2025
7. Period of Analysis : 06.03.2025 to 10.03.2025
8. Name of Location : Stack attached to Cooler- Line- 03
9. Method of Sampling : IS:11255(Part 1) & Instrument Manual



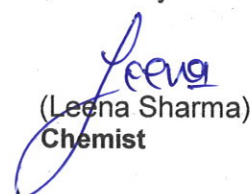
S. No	Stack Details	Description	Unit
1.	Height of stack	54.65	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	4.0	Meter

Results

S. No.	Test Id	Time (Hrs)	Temp. (°C)	Velocity (m/S)	Flow Rate (Nm3/S)	Limits: - As Per CTO Section 25/26 Act 1974
						PM (mg/Nm ³)
						30
Chemical - Atmospheric Pollution- Stack Emission						
1.	1 st	03:05 PM	112	13.35	126.34	6.61
2.	2 nd	03:40 PM	112	13.25	125.75	7.22
3.	3 rd	04:20 PM	113	13.47	127.13	5.14

Tested By

Authorized Signatory


(Leena Sharma)
Chemist




(Amreesh Kumar)
Dy.GM [Technical]

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Report No. 20250306004

ULR No. TC594125000000932F

Report Issue Date: 10.03.2025

TEST REPORT



TC - 5941

1. **Name of Customer** : M/s J.K. Cement Works Nimbahera,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA),
2. **Purchase Order Number** : 4600001761 Dated: - 21.05.2024
3. **Date of Monitoring** : 03.03.2025
4. **Sample Identification** : Stack Sample
5. **Condition of Sample** : Sealed/Ok
6. **Sample Received On** : 06.03.2025
7. **Period of Analysis** : 06.03.2025 to 10.03.2025
8. **Name of Location** : Stack attached to Coal Mill-03-VRM
9. **Method of Sampling** : IS:11255(Part 1) & Instrument Manual

S. No	Stack Details	Description	Unit
1.	Height of stack	47.50	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	2.12	Meter

Results

S. No.	Test Id	Time (Hrs)	Temp. (°C)	Velocity (m/S)	Flow Rate (Nm3/S)	Limits: - As Per CTO Section 25/26 Act 1974
						PM (mg/Nm ³)
						30
Chemical Testing- Atmospheric Pollution- Stack Emission						
1.	1 st	12:10 PM	86	9.31	26.54	8.12
2.	2 nd	01:10 PM	84	9.71	27.86	12.34
3.	3 rd	02:10 PM	86	10.01	28.55	12.63

Tested By

Authorized Signatory

(Leena Sharma)
Chemist



(Amreesh Kumar)
Dy.GM [Technical]



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Report No. 20250306005

ULR No. TC59412500000933F

Report Issue Date: 10.03.2025

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600001761 Dated: - 21.05.2024
3. Date of Monitoring : 04.03.2025
4. Sample Identification : Stack Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 06.03.2025
7. Period of Analysis : 06.03.2025 to 10.03.2025
8. Name of Location : Stack attached to Cement Mill-03
9. Method of Sampling : IS:11255(Part 1) & Instrument Manual



S. No	Stack Details	Description	Unit
1.	Height of stack	30.0	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	0.60	Meter

Results

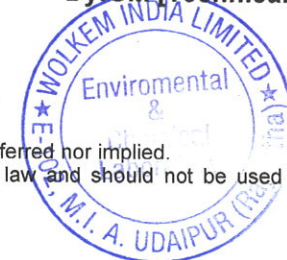
S. No.	Test Id	Time (Hrs)	Temp. (°C)	Velocity (m/S)	Flow Rate (Nm3/S)	Limits: - As Per CTO Section 25/26 Act 1974
						PM (mg/Nm ³)
						30
Chemical - Atmospheric Pollution- Stack Emission						
1.	1 st	11:40 PM	52	13.33	3.36	10.13
2.	2 nd	12:20 PM	49	13.21	3.36	5.11
3.	3 rd	01:05 PM	51	13.36	3.38	5.19

Tested By

Authorized Signatory

(Leena Sharma)
Chemist

(Amreesh Kumar)
Dy. GM [Technical]



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TEST REPORT



1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA), TC - 5941
2. Purchase Order Number : 4600001761 Dated: - 21.05.2024
3. Date of Monitoring : 04.03.2025
4. Sample Identification : Stack Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 06.03.2025
7. Period of Analysis : 06.03.2025 to 10.03.2025
8. Name of Location : Stack attached to Cement Mill-04
9. Method of Sampling : IS:11255(Part 1) & Instrument Manual

S. No	Stack Details	Description	Unit
1.	Height of stack	30.0	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	0.90	Meter

Results

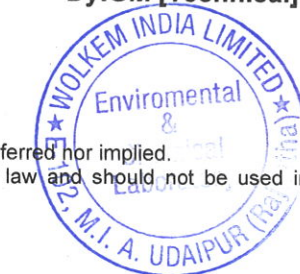
S. No.	Test Id	Time (Hrs)	Temp. (°C)	Velocity (m/S)	Flow Rate (Nm3/S)	Limits: - As Per CTO Section 25/26 Act 1974
						PM (mg/Nm³)
						30
Chemical - Atmospheric Pollution- Stack Emission						
1.	1 st	11:00 AM	61	8.42	4.65	6.21
2.	2 nd	11:30 AM	60	7.95	4.40	6.97
3.	3 rd	12:05 PM	60	8.31	4.60	7.31

Tested By

Authorized Signatory

(Leena Sharma)
Chemist

(Amreesh Kumar)
Dy.GM [Technical]



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Report No. 20250306007

ULR No. TC594125000000935F

Report Issue Date: 10.03.2025

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600001761 Dated: - 21.05.2024
3. Date of Monitoring : 03.03.2025
4. Sample Identification : Stack Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 06.03.2025
7. Period of Analysis : 06.03.2025 to 10.03.2025
8. Name of Location : Stack attached to Cement Mill-HRP
9. Method of Sampling : IS:11255(Part 1) & Instrument Manual



S. No	Stack Details	Description	Unit
1.	Height of stack	58	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	3.0	Meter

Results

S. No.	Test Id	Time (Hrs)	Temp. (°C)	Velocity (m/S)	Flow Rate (Nm ³ /S)	Limits: - As Per CTO Section 25/26 Act 1974
						PM (mg/Nm ³)
						30
Chemical Testing- Atmospheric Pollution- Stack Emission						
1.	1 st	03:50 PM	89	8.86	50.16	14.52
2.	2 nd	04:40 PM	90	8.33	47.01	12.25
3.	3 rd	05:30 PM	90	8.62	48.67	14.15

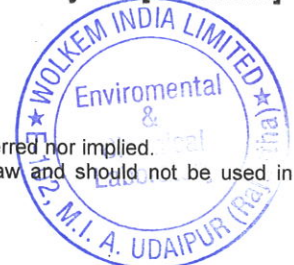
Tested By

Authorized Signatory

Leena Sharma
(Leena Sharma)
Chemist



Amreesh Kumar
(Amreesh Kumar)
Dy.GM [Technical]



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Report No. 20250307003

ULR No. TC594125000000938F

Report Issue Date: 10.03.2025

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600001761 Dated: - 21.05.2024
3. Date of Monitoring : 07.03.2025
4. Sample Identification : Stack Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 07.03.2025
7. Period of Analysis : 08.03.2025 to 10.03.2025
8. Name of Location : Stack attached to LS-Crusher
9. Method of Sampling : IS:11255(Part 1) & Instrument Manual



S. No	Stack Details	Description	Unit
1.	Height of stack	30.0	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	0.58	Meter

Results

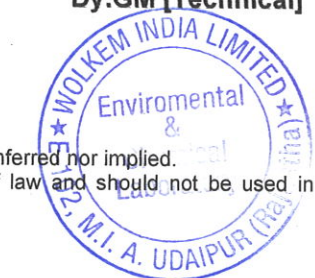
S. No.	Test Id	Time (Hrs)	Temp. (°C)	Velocity (m/S)	Flow Rate (Nm3/S)	Limits: - As Per CTO Section 25/26 Act 1974
						PM (mg/Nm ³)
						30
Chemical - Atmospheric Pollution- Stack Emission						
1.	1 st	01:15 PM	38	8.31	2.05	17.59

Tested By

Authorized Signatory

(Leena Sharma)
Chemist

(Amreesh Kumar)
Dy.GM [Technical]



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End of Report



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

CIN- U29299RJ1971PLC001379



TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA), TC - 5941
2. Purchase Order Number : 4600001761 Dated: - 21.05.2024
3. Date of Monitoring : 07.03.2025
4. Sample Identification : Stack Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 07.03.2025
7. Period of Analysis : 08.03.2025 to 10.03.2025
8. Name of Location : Stack attached to Maliakhera- Crusher
9. Method of Sampling : IS:11255(Part 1) & Instrument Manual



S. No	Stack Details	Description	Unit
1.	Height of stack	30.0	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	1.50	Meter

Results

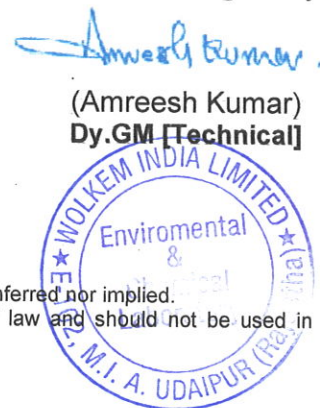
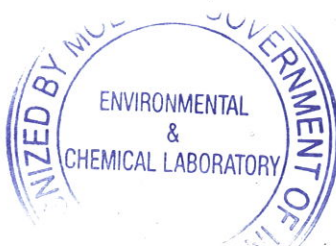
S. No.	Test Id	Time (Hrs)	Temp. (°C)	Velocity (m/S)	Flow Rate (Nm3/S)	Limits: - As Per CTO Section 25/26 Act 1974 PM (mg/Nm³) 30
Chemical - Atmospheric Pollution- Stack Emission						
1.	1 st	03:30 PM	32	7.64	12.84	14.38

Tested By

Authorized Signatory

(Leena Sharma)
Chemist

(Amreesh Kumar)
Dy.GM [Technical]



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Report No. 20250312017

ULR No. TC594125000001076F

Report Issue Date: 17.03.2025

TEST REPORT



1. **Name of Customer** : M/s J.K. Cement Works Nimbahera,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA),
2. **Purchase Order Number** : 4600001761 Dated: - 21.05.2024
3. **Date of Monitoring** : 12.03.2025
4. **Sample Identification** : Stack Sample
5. **Condition of Sample** : Sealed/Ok
6. **Sample Received On** : 12.03.2025
7. **Period of Analysis** : 13.03.2025 to 17.03.2025
8. **Name of Location** : Stack attached to Line- 02 Kiln
9. **Method of Sampling** : IS:11255(Part 1, Part 2, & Part 7) & Instrument
Manual

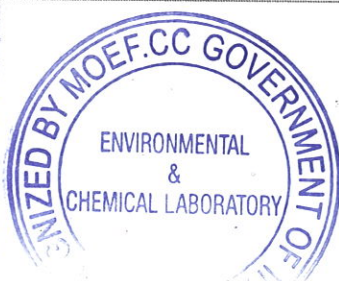
S. No	Stack Details	Description	Unit
1.	Height of stack	60.15	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	2.20	Meter

Results

S. No.	Test Id	Time (Hrs)	Temp. (°C)	Velocity (m/S)	Flow Rate (Nm3/S)	Limits: - As Per CTO Section 25/26 Act 1974		
						PM (mg/Nm ³)	SO ₂ (mg/Nm ³)	NO _x (mg/Nm ³)
						30	100	800
Chemical - Atmospheric Pollution- Stack Emission								
1.	1 st	03:02 PM	175	21.82	53.71	8.52	32.68	462.35
2.	2 nd	03:45 PM	174	22.06	54.41	9.68	30.59	406.81
3.	3 rd	04:30 PM	175	22.15	54.51	9.27	29.93	378.39

Tested By

Leena
(Leena Sharma)
Chemist



Authorized Signatory

Amreesh Kumar
(Amreesh Kumar)
Dy.GM [Technical]



Note

1. Complaint Register is available in lab / Email ID amrish.malik@wolkem.com
2. The results listed refer only to the tested sample (s) and parameter (s) Endorsement of product is neither inferred nor implied.
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4. The samples will be destroyed 15 days after the date of issue of test certificate unless otherwise specified.
5. Any discrepancy in test results should be reported within 15 days.





Report No. 20250312018

ULR No. TC594125000001077F

Report Issue Date: 17.03.2025

TEST REPORT



TC - 5941

1. **Name of Customer** : M/s J.K. Cement Works Nimbahera,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA),
2. **Purchase Order Number** : 4600001761 Dated: - 21.05.2024
3. **Date of Monitoring** : 11.03.2025
4. **Sample Identification** : Stack Sample
5. **Condition of Sample** : Sealed/Ok
6. **Sample Received On** : 12.03.2025
7. **Period of Analysis** : 13.03.2025 to 17.03.2025
8. **Name of Location** : Stack attached to Cement Mill-01
9. **Method of Sampling** : IS:11255(Part 1) & Instrument Manual

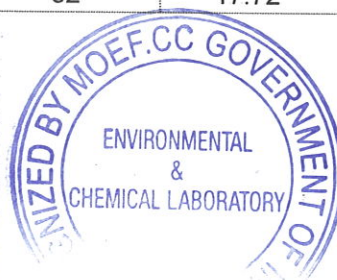
S. No	Stack Details	Description	Unit
1.	Height of stack	30.0	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	0.60	Meter

Results

S. No.	Test Id	Time (Hrs)	Temp. (°C)	Velocity (m/S)	Flow Rate (Nm3/S)	Limits: - As Per CTO Section 25/26 Act 1974
						PM (mg/Nm³)
						30
Chemical - Atmospheric Pollution- Stack Emission						
1.	1 st	09:00 AM	51	17.54	4.89	9.57
2.	2 nd	09:55 AM	52	17.66	4.91	8.62
3.	3 rd	10:50 AM	52	17.72	4.93	7.98

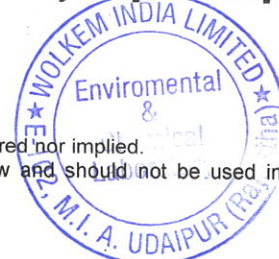
Tested By

Leena
(Leena Sharma)
Chemist



Authorized Signatory

Amreesh Kumar
(Amreesh Kumar)
Dy.GM [Technical]



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TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA)
2. Purchase Order Number : 4600001761 Dated: - 21.05.2024
3. Date of Monitoring : 11.03.2025
4. Sample Identification : Stack Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 12.03.2025
7. Period of Analysis : 13.03.2025 to 17.03.2025
8. Name of Location : Stack attached to Cement Mill-02
9. Method of Sampling : IS:11255(Part 1) & Instrument Manual



S. No	Stack Details	Description	Unit
1.	Height of stack	30.0	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	0.60	Meter

Results

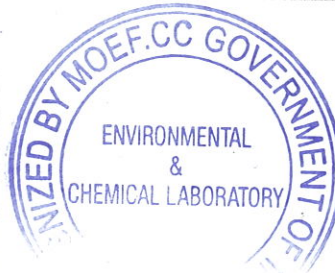
S. No.	Test Id	Time (Hrs)	Temp. (°C)	Velocity (m/S)	Flow Rate (Nm3/S)	Limits: - As Per CTO Section 25/26 Act 1974
						PM (mg/Nm ³)
						30
Chemical - Atmospheric Pollution- Stack Emission						
1.	1 st	09:10 AM	56	18.00	5.27	7.85
2.	2 nd	10:00 AM	56	18.09	5.29	7.23
3.	3 rd	10:52 AM	55	18.20	5.34	7.59

Tested By

Authorized Signatory

(Leena Sharma)
Chemist

(Amreesh Kumar)
Dy.GM [Technical]



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Vimta Labs Limited

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**ISSUED TO:**

M/S. J.K. CEMENT LIMITED
Unit: - J.K. CEMENT WORKS
KAILASH NAGAR, NIMBAHERA,
DIST: CHITTORGARH,
RAJASTHAN-312617 INDIA.

Report Number : **VLL/VLS/24/22346/002**
Issued Date : **2025.03.03**
P.O. Ref : **4600001749**
P.O. Date : **21.05.2024**

Page 1 of 1

SAMPLE PARTICULARS : Stack Connected to Bag House Kiln-III

Sample Registration Date	: 2025.02.14	Sample Collection Date	: 2025.02.11
Analysis Starting Date	: 2025.02.14	Analysis Completion Date	: 2025.02.28
Test Required	: PCDD & PCDF		

Sample collected by Vimta Labs Ltd.

TEST REPORT

Sr.No.	Congeners of Dioxin & Furans	UoM	Results
1	2,3,7,8-TCDD	ng/Nm ³ , TEQ	0.0122
2	1,2,3,7,8-PeCDD		0.0304
3	1,2,3,4,7,8-HxCDD		0.0006
4	1,2,3,6,7,8-HxCDD		0.0006
5	1,2,3,7,8,9-HxCDD		0.0006
6	1,2,3,4,6,7,8-HpCDD		0.0000
7	OCDD		0.0000
8	2,3,7,8-TCDF		0.0001
9	1,2,3,7,8-PeCDF		0.0001
10	2,3,4,7,8-PeCDF		0.0091
11	1,2,3,4,7,8-HxCDF		0.0006
12	1,2,3,6,7,8-HxCDF		0.0006
13	1,2,3,7,8,9-HxCDF		0.0006
14	2,3,4,6,7,8-HxCDF		0.0006
15	1,2,3,4,6,7,8-HpCDF		0.0000
16	1,2,3,4,7,8,9-HpCDF		0.0000
17	OCDF		0.0000
Total Furans & Dioxins		ng/Nm³, TEQ	0.0562
Total Furans & Dioxins		ng/Nm³, TEQ Corrected to 10% O₂ Concentration	0.0439
Limits as per MoE,F&CC Notification GSR 497(E)			<0.1

Method of Testing: As per USEPA 23 A & 8290

Instruments used: Auto spec Premier (HRGC/HRMS). Detection Limit: 0.01pg


Dr. Subba Reddy Mallampati
Manager-Environment.

Vimta Labs Limited

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RAJASTHAN-312617 INDIA.

Report Number : VLL/VLS/24/22346/001
Issued Date : 2025.03.03
P.O. Ref : 4600001749
P.O. Date : 21.05.2024

Page 1 of 2

SAMPLE PARTICULARS : Stack Connected to Bag House Kiln-III

Sample Registration Date	: 2025.02.14	Sample Collection Date	: 2025.02.11
Analysis Starting Date	: 2025.02.14	Analysis Completion Date	: 2025.02.28
Test Required	: O ₂ , PM, SO ₂ , NO _x , HCl, HF, CO, CO ₂ and TOC.		
Sample Collected by Vimta Labs Ltd.			

TEST REPORT

Sr. No.	Parameters	UoM	Method of Testing	Results	Limits as per MoE, F&CC Notification GSR 497(E)
1	Diameter of stack	m	-	4.5	--
2	Flue gas temperature	°C	-	126	--
3	Fuel	-	Co-processing of AFR Liquid and Solid waste	--	--
4	Velocity	m/sec	USEPA Method -3	13.8	--
5	Volumetric flow rate	Nm ³ /Sec		133.71	--
6	Oxygen as O ₂	%	Combustion Analyzer	6.97	--
7	Carbon Monoxide as CO	mg/Nm ³		25.0	<100.0
8	Carbon Dioxide as CO ₂	%		23.77	--
9	Sulphur Dioxide	mg/Nm ³		4.0	<100.0
10	Oxides of Nitrogen, NO _x as NO ₂	mg/Nm ³		564.0	<800.0
11	Particulate Matter	mg/Nm ³	USEPA method-5	23.5	<30.0
12	Hydrogen Chloride as HCl	mg/Nm ³	USEPA method -26	3.0	<10.0
13	Hydrogen Fluoride as HF	mg/Nm ³	USEPA method -13	0.37	<1.0
14	Total Organic Compounds as TOC	mg/nm ³	USEPA method -40 & MM5(10)	3.0	<10.0

All the Values are represented at 10% O₂


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P.O. Ref : 4600001749
P.O. Date : 21.05.2024

Page 2 of 2

SAMPLE PARTICULARS : Stack Connected to Bag House Kiln-III

Sample Registration Date	: 2025.02.14	Sample Collection Date	: 2025.02.11
Analysis Starting Date	: 2025.02.14	Analysis Completion Date	: 2025.02.28
Test Required	: Heavy Metals And its Compounds		
Sample Collected by Vimta Labs Ltd.			

TEST REPORT

Sr. No	Parameters	UoM	Method of Testing	Results	Limits as per MoE, F&CC Notification GSR 497(E)
1	Mercury as Hg + their Compound	mg/Nm ³	USEPA method - 29	<0.001	< 0.05
2	Cadmium + Thallium (Cd + Tl) + their Compound			<0.001	< 0.05
3	Chromium as Cr + their Compound			0.019	--
	Manganese as Mn + their Compound			0.018	
	Arsenic as As + their Compound			0.008	
	Antimony as Sb + their Compound			0.013	
	Lead as Pb + their Compound			0.020	
	Cobalt as Co + their Compound			0.030	
	Copper as Cu + their Compound			0.021	
	Nickel as Ni + their Compound			0.020	
	Vanadium as V + their Compound			0.022	
	Sb+ As+ Pb+ Co+ Cr+ Cu+ Mn+ Ni+ V+ Their compounds			0.171	< 0.5

Instruments used: GC-FID, ICP-MS, Cold Vapor AAS and GC-MS

All the values are represented at 10% O₂

Dr. Subba Reddy Mallampati
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DIST: CHITTORGARH,
RAJASTHAN-312617 INDIA.

Report Number : **VLL/VLS/24/24548/001**
Issued Date : **2025.04.01**
P.O. Ref : **4600001749**
P.O. Date : **21.05.2024**

Page 1 of 2

SAMPLE PARTICULARS : Stack Connected to Bag House Kiln-II

Sample Registration Date	: 2025.03.17	Sample Collection Date	: 2025.03.12
Analysis Starting Date	: 2025.03.17	Analysis Completion Date	: 2025.04.01
Test Required	: O ₂ , PM, SO ₂ , NO _x , HCl, HF, CO, CO ₂ and TOC.		
Sample Collected by Vimta Labs Ltd.			

TEST REPORT

Sr. No.	Parameters	UoM	Method of Testing	Results	Limits as per MoE, F&CC Notification GSR 497(E)
1	Diameter of stack	m	-	2.2	--
2	Flue gas temperature	°C	-	175	--
3	Fuel	-	Co-processing of AFR Liquid and Solid waste	--	--
4	Velocity	m/sec	USEPA Method -3	22.10	--
5	Volumetric flow rate	Nm ³ /Sec		46.73	--
6	Oxygen as O ₂	%	Combustion Analyzer	7.80	--
7	Carbon Monoxide as CO	mg/Nm ³		28.0	<100.0
8	Carbon Dioxide as CO ₂	%		21.90	--
9	Sulphur Dioxide	mg/Nm ³		28.65	<100.0
10	Oxides of Nitrogen, NO _x as NO ₂	mg/Nm ³		405.0	<800.0
11	Particulate Matter	mg/Nm ³	USEPA method-5	11.5	<30.0
12	Hydrogen Chloride as HCl	mg/Nm ³	USEPA method -26	3.6	<10.0
13	Hydrogen Fluoride as HF	mg/Nm ³	USEPA method -13	0.40	<1.0
14	Total Organic Compounds as TOC	mg/nm ³	USEPA method -40 & MM5(10)	3.2	<10.0

All the Values are represented at 10% O₂

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DIST: CHITTORGARH,
RAJASTHAN-312617 INDIA.

Report Number : **VLL/VLS/24/24548/001**
Issued Date : **2025.04.01**
P.O. Ref : **4600001749**
P.O. Date : **21.05.2024**

Page 2 of 2

SAMPLE PARTICULARS : Stack Connected to Bag House Kiln-II

Sample Registration Date	: 2025.03.17	Sample Collection Date	: 2025.03.12
Analysis Starting Date	: 2025.03.17	Analysis Completion Date	: 2025.04.01
Test Required	: Heavy Metals And its Compounds		

Sample Collected by Vimta Labs Ltd.

TEST REPORT

Sr. No	Parameters	UoM	Method of Testing	Results	Limits as per MoE, F&CC Notification GSR 497(E)
1	Mercury as Hg + their Compound	mg/Nm ³	USEPA method - 29	<0.001	< 0.05
2	Cadmium + Thallium (Cd + Tl) + their Compound			<0.001	< 0.05
3	Chromium as Cr + their Compound			0.020	--
	Manganese as Mn + their Compound			0.021	
	Arsenic as As + their Compound			0.009	
	Antimony as Sb + their Compound			0.016	
	Lead as Pb + their Compound			0.021	
	Cobalt as Co + their Compound			0.028	
	Copper as Cu + their Compound			0.020	
	Nickel as Ni + their Compound			0.019	
	Vanadium as V + their Compound			0.020	
	Sb+ As+ Pb+ Co+ Cr+ Cu+ Mn+ Ni+ V+ Their compounds			0.174	< 0.5

Instruments used: GC-FID, ICP-MS, Cold Vapor AAS and GC-MS
All the values are represented at 10% O₂

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Manager-Environment.

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Report Number : **VLL/VLS/24/24548/002**
Issued Date : **2025.04.01**
P.O. Ref : **4600001749**
P.O. Date : **21.05.2024**

Page 1 of 1

SAMPLE PARTICULARS : Stack Connected to Bag House Kiln-II

Sample Registration Date	: 2025.03.17	Sample Collection Date	: 2025.03.12
Analysis Starting Date	: 2025.03.17	Analysis Completion Date	: 2025.04.01
Test Required	: PCDD & PCDF		

Sample collected by Vimta Labs Ltd.

TEST REPORT

Sr.No.	Congeners of Dioxin & Furans	UoM	Results
1	2,3,7,8-TCDD	ng/Nm ³ , TEQ	0.0093
2	1,2,3,7,8-PeCDD		0.0232
3	1,2,3,4,7,8-HxCDD		0.0005
4	1,2,3,6,7,8-HxCDD		0.0005
5	1,2,3,7,8,9-HxCDD		0.0005
6	1,2,3,4,6,7,8-HpCDD		0.0000
7	OCDD		0.0000
8	2,3,7,8-TCDF		0.0001
9	1,2,3,7,8-PeCDF		0.0001
10	2,3,4,7,8-PeCDF		0.0070
11	1,2,3,4,7,8-HxCDF		0.0005
12	1,2,3,6,7,8-HxCDF		0.0005
13	1,2,3,7,8,9-HxCDF		0.0005
14	2,3,4,6,7,8-HxCDF		0.0005
15	1,2,3,4,6,7,8-HpCDF		0.0000
16	1,2,3,4,7,8,9-HpCDF		0.0000
17	OCDF		0.0000
Total Furans & Dioxins		ng/Nm ³ , TEQ	0.0516
Total Furans & Dioxins		ng/Nm ³ , TEQ Corrected to 10% O ₂ Concentration	0.0429
Limits as per MoE,F&CC Notification GSR 497(E)			<0.1

Method of Testing: As per USEPA 23 A & 8290

Instruments used: Auto spec Premier (HRGC/HRMS). Detection Limit: 0.01pg

Dr. SubbaReddy Mallampati
Manager-Environment.



Laboratory : E- 102, Mewar Industrial Area, Madri, Udaipur - 313003, Rajasthan (INDIA)



INDIA LIMITED

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

www.wolkem.com

Report No. 20241227006

Report Issue Date: - 06.01.2025

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600001761 Dated:- 21.05.2024
3. Date & Time of Monitoring : 27.12.2024/06:30AM
4. Sample Identification : Fugitive Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 27.12.2024
7. Period of Analysis : 27.12.2024 to 06.01.2025
8. Name of Location : Near Coal Yard (Cement Plant)
9. Method of Sampling : IS: 5182(Part 4) & Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Duration of Survey	Minutes	481
2.	Average Flow rate for PM ₁₀	M ³ / Min	1.145
3.	Ambient Temperature	°C	15.3
4.	Relative Humidity	%	69

Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results
Chemical Testing- Atmospheric Pollution- Fugitive Emission				
1.	SPM	IS:5182 (Part-4)	µg/m ³	367.12

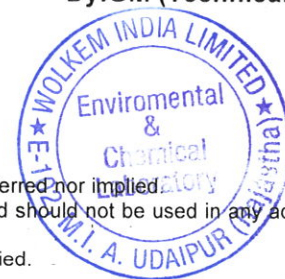
Tested By

Leena
(Leena Sharma)
Chemist



Authorized Signatory

Amreesh Kumar
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Dy.GM (Technical)

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

Page 1 of 1
End of Report



TC - 5941



TEST REPORT

1. **Name of Customer** : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. **Purchase Order Number** : 4600001761 Dated:- 21.05.2024
3. **Date & Time of Monitoring** : 27.12.2024/07:00AM
4. **Sample Identification** : Fugitive Sample
5. **Condition of Sample** : Sealed/Ok
6. **Sample Received On** : 27.12.2024
7. **Period of Analysis** : 27.12.2024 to 06.01.2025
8. **Name of Location** : Near Limestone Crushing Site
9. **Method of Sampling** : IS: 5182(Part 4) & Instrument Manual

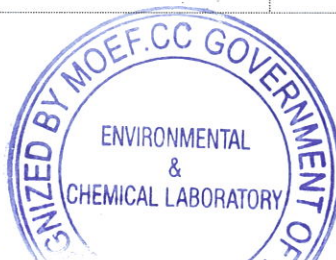
S. No	Monitoring Details	Unit	Results
1.	Duration of Survey	Minutes	484
2.	Average Flow rate for PM ₁₀	M ³ / Min	1.14
3.	Ambient Temperature	°C	15.7
4.	Relative Humidity	%	68

Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results
Chemical Testing- Atmospheric Pollution- Fugitive Emission				
1.	SPM	IS:5182 (Part-4)	µg/m ³	418.13

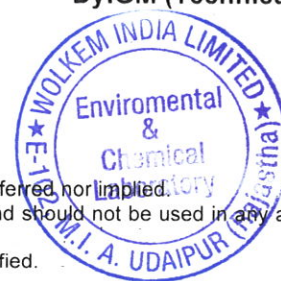
Tested By

Leena
(Leena Sharma)
Chemist



Authorized Signatory

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


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Report No. 20241227008

Report Issue Date: - 06.01.2025

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600001761 Dated:- 21.05.2024
3. Date & Time of Monitoring : 27.12.2024/07:30AM
4. Sample Identification : Fugitive Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 27.12.2024
7. Period of Analysis : 27.12.2024 to 06.01.2025
8. Name of Location : Near Stacker & Reclaimer
9. Method of Sampling : IS: 5182(Part 4) & Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Duration of Survey	Minutes	484
2.	Average Flow rate for PM ₁₀	M ³ / Min	1.155
3.	Ambient Temperature	°C	15.9
4.	Relative Humidity	%	67

Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results
Chemical Testing- Atmospheric Pollution- Fugitive Emission				
1.	SPM	IS:5182 (Part-4)	µg/m ³	467.16

Tested By

Leena
(Leena Sharma)
Chemist



Authorized Signatory

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



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Page 1 of 1
End of Report



TC - 5941





Report No. 20241227009

Report Issue Date: - 06.01.2025

TEST REPORT

1. **Name of Customer** : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. **Purchase Order Number** : 4600001761 Dated:- 21.05.2024
3. **Date & Time of Monitoring** : 27.12.2024/08:00AM
4. **Sample Identification** : Fugitive Sample
5. **Condition of Sample** : Sealed/Ok
6. **Sample Received On** : 27.12.2024
7. **Period of Analysis** : 27.12.2024 to 06.01.2025
8. **Name of Location** : Near Gypsum Yard
9. **Method of Sampling** : IS: 5182(Part 4) & Instrument Manual

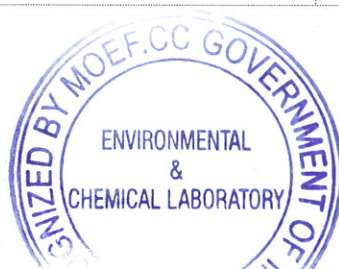
S. No	Monitoring Details	Unit	Results
1.	Duration of Survey	Minutes	481
2.	Average Flow rate for PM ₁₀	M ³ / Min	1.145
3.	Ambient Temperature	°C	16.2
4.	Relative Humidity	%	68

Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results
Chemical Testing- Atmospheric Pollution- Fugitive Emission				
1.	SPM	IS:5182 (Part-4)	µg/m ³	378.51

Tested By

Leena
(Leena Sharma)
Chemist



Authorized Signatory

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



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TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600001761 Dated:- 21.05.2024
3. Date & Time of Monitoring : 27.12.2024/08:30AM
4. Sample Identification : Fugitive Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 27.12.2024
7. Period of Analysis : 27.12.2024 to 06.01.2025
8. Name of Location : Near Coal Yard (Power Plant)
9. Method of Sampling : IS: 5182(Part 4) & Instrument Manual

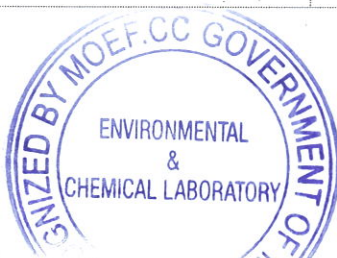
S. No	Monitoring Details	Unit	Results
1.	Duration of Survey	Minutes	487
2.	Average Flow rate for PM ₁₀	M ³ / Min	1.17
3.	Ambient Temperature	°C	17.3
4.	Relative Humidity	%	63

Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results
Chemical Testing- Atmospheric Pollution- Fugitive Emission				
1.	SPM	IS:5182 (Part-4)	µg/m ³	367.07

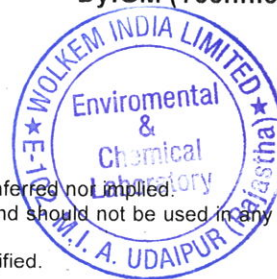
Tested By

Leena
(Leena Sharma)
Chemist



Authorized Signatory

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



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TEST REPORT



TC-5941

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600001761 Dated: - 21.05.2024
3. Date & Time of Monitoring : 03.03.2025/03:10PM
4. Sample Identification : Fugitive Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 07.03.2025
7. Period of Analysis : 07.03.2025 to 12.03.2025
8. Name of Location : Near Coal Yard (Cement Plant)
9. Method of Sampling : IS: 5182(Part 4) & Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	32.1
2.	Relative Humidity	%	15

Results Ambient Air Quality

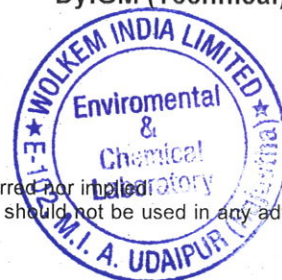
S. No	Parameters	Test Method	Unit	Results
Chemical - Atmospheric Pollution- Fugitive Emission				
1.	SPM	IS:5182 (Part-4)	µg/m ³	371.74

Tested By

Authorized Signatory

(Leena Sharma)
Chemist

(Amresh Kumar)
Dy.GM (Technical)



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TEST REPORT



1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600001761 Dated: - 21.05.2024
3. Date & Time of Monitoring : 04.03.2025/03:00PM
4. Sample Identification : Fugitive Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 07.03.2025
7. Period of Analysis : 07.03.2025 to 12.03.2025
8. Name of Location : Near Limestone Crushing Site
9. Method of Sampling : IS: 5182(Part 4) & Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	32
2.	Relative Humidity	%	14

Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results
Chemical - Atmospheric Pollution- Fugitive Emission				
1.	SPM	IS:5182 (Part-4)	µg/m ³	422.11

Tested By

Authorized Signatory

(Leena Sharma)
Chemist

(Amresh Kumar)
Dy.GM (Technical)



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TEST REPORT



TC-5941

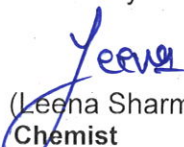
1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600001761 Dated: - 21.05.2024
3. Date & Time of Monitoring : 04.03.2025/03:15PM
4. Sample Identification : Fugitive Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 07.03.2025
7. Period of Analysis : 07.03.2025 to 12.03.2025
8. Name of Location : Near Stacker & Reclaimer
9. Method of Sampling : IS: 5182(Part 4) & Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	32.3
2.	Relative Humidity	%	15

Results Ambient Air Quality

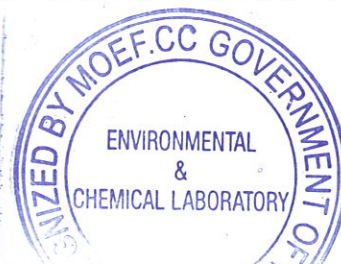
S. No	Parameters	Test Method	Unit	Results
Chemical - Atmospheric Pollution- Fugitive Emission				
1.	SPM	IS:5182 (Part-4)	µg/m ³	474.88

Tested By


(Leena Sharma)
Chemist

Authorized Signatory


(Amreesh Kumar)
Dy.GM (Technical)



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TEST REPORT



1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA), 5941
2. Purchase Order Number : 4600001761 Dated: - 21.05.2024
3. Date & Time of Monitoring : 04.03.2025/03:30PM
4. Sample Identification : Fugitive Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 07.03.2025
7. Period of Analysis : 07.03.2025 to 12.03.2025
8. Name of Location : Near Gypsum Yard
9. Method of Sampling : IS: 5182(Part 4) & Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	32.4
2.	Relative Humidity	%	13

Results Ambient Air Quality

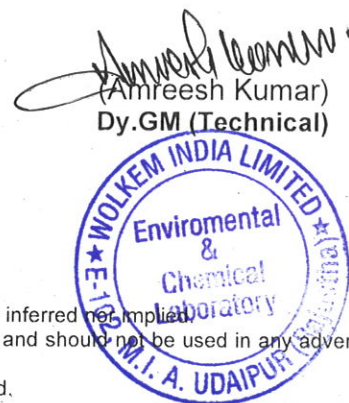
S. No	Parameters	Test Method	Unit	Results
Chemical - Atmospheric Pollution- Fugitive Emission				
1.	SPM	IS:5182 (Part-4)	µg/m ³	381.13

Tested By

Authorized Signatory

(Leena Sharma)
Chemist

(Amresh Kumar)
Dy.GM (Technical)



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Page 1 of 1
End of Report





TEST REPORT



1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA), TG-5941
2. Purchase Order Number : 4600001761 Dated: - 21.05.2024
3. Date & Time of Monitoring : 04.03.2025/03:40PM
4. Sample Identification : Fugitive Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 07.03.2025
7. Period of Analysis : 07.03.2025 to 12.03.2025
8. Name of Location : Near Coal Yard (Power Plant)
9. Method of Sampling : IS: 5182(Part 4) & Instrument Manual

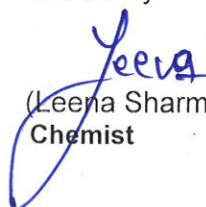
S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	32.3
2.	Relative Humidity	%	17

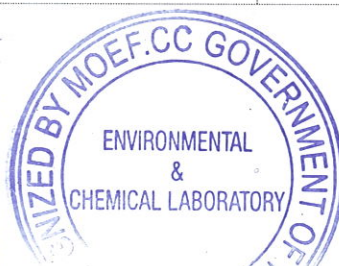
Results Ambient Air Quality

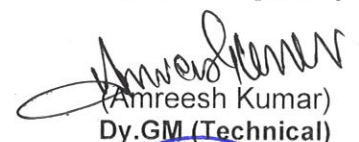
S. No	Parameters	Test Method	Unit	Results
Chemical - Atmospheric Pollution- Fugitive Emission				
1.	SPM	IS:5182 (Part-4)	µg/m ³	364.77

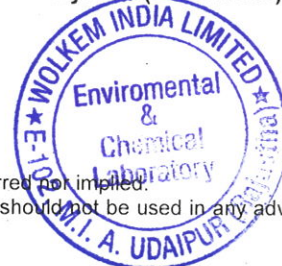
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J.K. Cement WORKS, NIMBAHERA (RAJ)
AMBIENT AIR QUALITY AVERAGE SPM RESULTS
(ALL VALUES IN MICROGRAMS / CUBIC METER)

HALF YEARLY REPORT FY-2024-25 (October' 2024 to March' 2025)

S.No.	LOCATION	Month					
			PM10	PM2.5	SO2	NOx	CO
1	NEAR MAIN SECURITY GATE	Oct-24	45.7	20.2	8.1	16.5	380
2		Nov-24	48.6	22.4	9.5	19.2	396
3		Dec-24	50.8	32.1	10.3	18.7	451
4		Jan-25	52.6	28.9	9.4	21.3	302
5		Feb-25	55.8	28.4	10.5	20.7	431
6		Mar-25	62.3	32.6	11.2	19.4	396
Half Yearly Average			52.6	27.4	9.8	19.3	393
1	NEAR CRICKET GROUND COLONY	Oct-24	47.2	26.4	9.1	14.5	352
2		Nov-24	48.9	27.5	8.4	18.6	384
3		Dec-24	52.4	29.5	9.7	19.9	406
4		Jan-25	58.9	34.5	9.8	20.3	314
5		Feb-25	60.2	36.1	10.9	18.8	405
6		Mar-25	65.7	39.6	11.4	20.5	425
Half Yearly Average			55.5	32.3	9.9	18.8	381
1	NEAR MINE GATE	Oct-24	40.3	26.1	10.4	14.2	348
2		Nov-24	46.1	26.4	9.8	18.2	378
3		Dec-24	50.2	30.1	10.5	19.3	442
4		Jan-25	55.4	32.6	10.1	21.8	412
5		Feb-25	59.1	34.3	11.5	19.6	418
6		Mar-25	65.7	40.4	11.9	20.3	432
Half Yearly Average			52.8	31.7	10.7	18.9	405
1	NEAR THERMAL POWER PLANT GATE	Oct-24	43.2	22.5	8.8	15.1	372
2		Nov-24	44.8	25.1	9.9	20.4	402
3		Dec-24	49.7	30.2	9.3	18.1	444
4		Jan-25	53.1	32.6	10.5	21.8	310
5		Feb-25	58.1	30.5	10.8	20.6	425
6		Mar-25	60.4	34.6	10.5	21.7	411
Half Yearly Average			51.6	29.3	10.0	19.6	394

TEST REPORT

1. **Name of Customer** : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. **Purchase Order Number** : 4600001761 Dated:- 21.05.2024
3. **Date & Time of Monitoring** : 24.12.2024/08:00AM
4. **Sample Identification** : Air Sample
5. **Condition of Sample** : Sealed/Ok
6. **Sample Received On** : 27.12.2024
7. **Period of Analysis** : 27.12.2024 to 06.01.2025
8. **Name of Location** : Near Main Security Gate
9. **Method of Sampling** : IS: 5182 (Part 2,6,23) & Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Duration of Survey	Minutes	481
2.	Average Flow rate for PM ₁₀	M ³ / Min	1.155
3.	Ambient Temperature	°C	18.7
4.	Relative Humidity	%	65

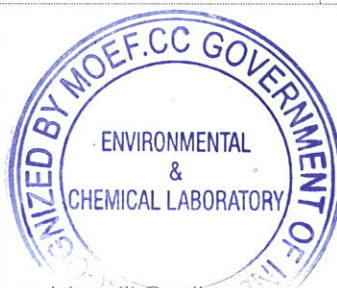
Results Ambient Air Quality

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	62.10	100
2.	PM _{2.5}	WIL/SOP No. 10/25 Issue date 01.05.2019	µg/m ³	31.53	60
3.	SO ₂	IS:5182 (Part-2)	µg/m ³	6.20	80
4.	NO ₂	IS:5182 (Part-6)	µg/m ³	12.60	80
5.	Ozone as O ₃	IS:5182 (Part-9)	µg/m ³	BDL(<20)	100
6.	NH ₃	CPCB manual & 401-Method Air sampling & analysis, 3rd Edition	µg/m ³	24.71	400
7.	Lead	IS:5182 (Part-22)	µg/m ³	BDL(<0.05)	1 (24 hour average)
8.	Nickel	CPCB Guidelines 1988	ng/m ³	BDL(<4)	20 (Annual average)

BDL- Below Detection Limit

Tested By

(Leena Sharma)
Chemist



Authorized Signatory

(Amreesh Kumar)
Dy.GM (Technical)


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Report No. 20241227002/B

Report Issue Date: - 06.01.2025

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600001761 Dated:- 21.05.2024
3. Date & Time of Monitoring : 24.12.2024/08:00AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 27.12.2024
7. Period of Analysis : 27.12.2024 to 06.01.2025
8. Name of Location : Near Main Security Gate
9. Method of Sampling : Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	18.7
2.	Relative Humidity	%	65

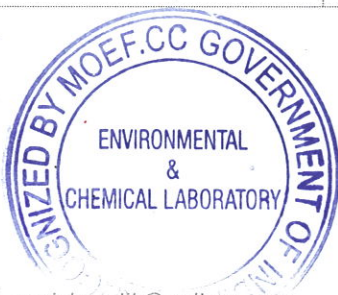
Results Ambient Air Quality

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)
2.	Benzo(a)pyrene	IS:5182 (Part-12)	ng/m ³	BDL(<0.01)	1 (Annual average)
3.	Arsenic	NAAQMS/37/2012-13 By CPCB Delhi and Compendium Method IO-3.2:2012	ng/m ³	BDL(<3)	6 (Annual average)
4.	Benzene	IS:5182 (Part-11)	µg/m ³	BDL(<0.01)	5 (Annual average)

BDL- Below Detection Limit

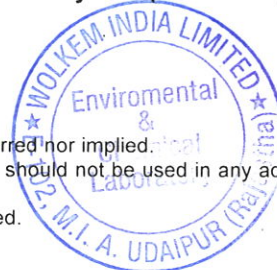
Tested By

Leena
(Leena Sharma)
Chemist



Authorized Signatory

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



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Report No. 20241227003/A

Report Issue Date: - 06.01.2025

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600001761 Dated:- 21.05.2024
3. Date & Time of Monitoring : 24.12.2024/11:00AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 27.12.2024
7. Period of Analysis : 27.12.2024 to 06.01.2025
8. Name of Location : Near Thermal Power Plant
9. Method of Sampling : IS: 5182(Part 2,6,23) & Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Duration of Survey	Minutes	483
2.	Average Flow rate for PM ₁₀	M ³ / Min	1.145
3.	Ambient Temperature	°C	22.1
4.	Relative Humidity	%	58

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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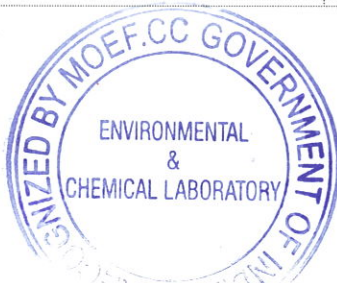
Chemical Testing - Atmospheric Pollution - Ambient Air

1.	PM ₁₀	IS:5182 (Part-23)	µg/m ³	74.52	100
2.	PM _{2.5}	WIL/SOP No. 10/25 Issue date 01.05.2019	µg/m ³	47.72	60
3.	SO ₂	IS:5182 (Part-2)	µg/m ³	7.29	80
4.	NO ₂	IS:5182 (Part-6)	µg/m ³	13.38	80
5.	Ozone as O ₃	IS:5182 (Part-9)	µg/m ³	BDL(<20)	100
6.	NH ₃	CPCB manual & 401-Method Air sampling & analysis, 3rd Edition	µg/m ³	25.68	400
7.	Lead	IS:5182 (Part-22)	µg/m ³	BDL(<0.05)	1 (24 hour average)
8.	Nickel	CPCB Guidelines 1988	ng/m ³	BDL(<4)	20 (Annual average)

BDL- Below Detection Limit

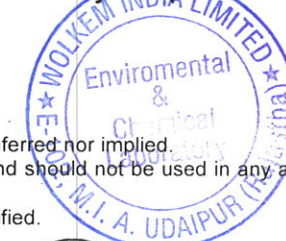
Tested By

Leena
(Leena Sharma)
Chemist



Authorized Signatory

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



Note

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Report No. 20241227003/B

Report Issue Date: - 06.01.2025

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600001761 Dated:- 21.05.2024
3. Date & Time of Monitoring : 24.12.2024/11:00AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 27.12.2024
7. Period of Analysis : 27.12.2024 to 06.01.2025
8. Name of Location : Near Thermal Power Plant
9. Method of Sampling : Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	22.1
2.	Relative Humidity	%	58

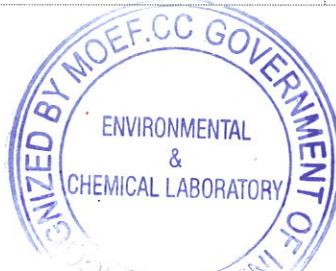
Results Ambient Air Quality

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	0.52	04 (1 hour)
2.	Benzo(a)pyrene	IS:5182 (Part-12)	ng/m ³	BDL(<0.01)	1 (Annual average)
3.	Arsenic	NAAQMS/37/2012-13 By CPCB Delhi and Compendium Method IO-3.2:2012	ng/m ³	BDL(<3)	6 (Annual average)
4.	Benzene	IS:5182 (Part-11)	µg/m ³	BDL(<0.01)	5 (Annual average)

BDL- Below Detection Limit

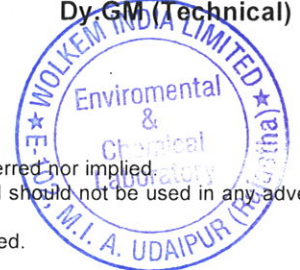
Tested By

Leena
(Leena Sharma)
Chemist



Authorized Signatory

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



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TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600001761 Dated:- 21.05.2024
3. Date & Time of Monitoring : 24.12.2024/07:30AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 27.12.2024
7. Period of Analysis : 27.12.2024 to 06.01.2025
8. Name of Location : Near Cricket Ground Colony
9. Method of Sampling : IS: 5182(Part 2,6,23) & Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Duration of Survey	Minutes	487
2.	Average Flow rate for PM ₁₀	M ³ / Min	1.16
3.	Ambient Temperature	°C	18.3
4.	Relative Humidity	%	67

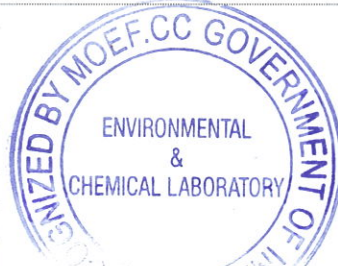
Results Ambient Air Quality

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	70.58	100
2.	PM _{2.5}	WIL/SOP No. 10/25 Issue date 01.05.2019	µg/m ³	34.88	60
3.	SO ₂	IS:5182 (Part-2)	µg/m ³	6.32	80
4.	NO ₂	IS:5182 (Part-6)	µg/m ³	10.10	80
5.	Ozone as O ₃	IS:5182 (Part-9)	µg/m ³	BDL(<20)	100
6.	NH ₃	CPCB manual & 401-Method Air sampling & analysis, 3rd Edition	µg/m ³	22.07	400
7.	Lead	IS:5182 (Part-22)	µg/m ³	BDL(<0.05)	1 (24 hour average)
8.	Nickel	CPCB Guidelines 1988	ng/m ³	BDL(<4)	20 (Annual average)

BDL- Below Detection Limit

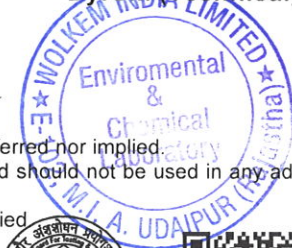
Tested By

Leena
(Leena Sharma)
Chemist



Authorized Signatory

Amresh Kumar
(Amresh Kumar)
Dy. GM (Technical)



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TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600001761 Dated:- 21.05.2024
3. Date & Time of Monitoring : 24.12.2024/07:30AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 27.12.2024
7. Period of Analysis : 27.12.2024 to 06.01.2025
8. Name of Location : Near Cricket Ground Colony
9. Method of Sampling : Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	18.3
2.	Relative Humidity	%	67

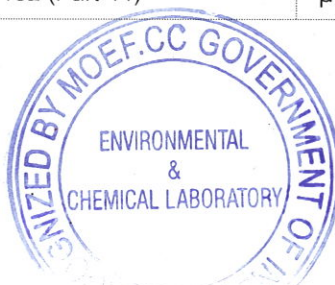
Results Ambient Air Quality

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	0.39	04 (1 hour)
2.	Benzo(a)pyrene	IS:5182 (Part-12)	ng/m ³	BDL(<0.01)	1 (Annual average)
3.	Arsenic	NAAQMS/37/2012-13 By CPCB Delhi and Compendium Method IO-3.2:2012	ng/m ³	BDL(<3)	6 (Annual average)
4.	Benzene	IS:5182 (Part-11)	µg/m ³	BDL(<0.01)	5 (Annual average)

BDL- Below Detection Limit

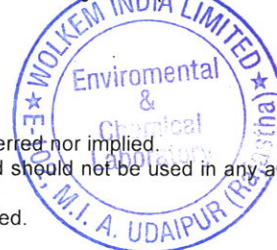
Tested By

Leena
(Leena Sharma)
Chemist



Authorized Signatory

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



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TEST REPORT

1. **Name of Customer** : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. **Purchase Order Number** : 4600001761 Dated:- 21.05.2024
3. **Date & Time of Monitoring** : 25.12.2024/07:30AM
4. **Sample Identification** : Air Sample
5. **Condition of Sample** : Sealed/Ok
6. **Sample Received On** : 27.12.2024
7. **Period of Analysis** : 27.12.2024 to 06.01.2025
8. **Name of Location** : Near Mine Gate
9. **Method of Sampling** : IS: 5182(Part 2,6, 23) & Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Duration of Survey	Minutes	481
2.	Average Flow rate for PM ₁₀	M ³ / Min	1.145
3.	Ambient Temperature	°C	17.6
4.	Relative Humidity	%	68

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	72.36	100
2.	PM _{2.5}	WIL/SOP No. 10/25 Issue date 01.05.2019	µg/m ³	40.36	60
3.	SO ₂	IS:5182 (Part-2)	µg/m ³	7.97	80
4.	NO ₂	IS:5182 (Part-6)	µg/m ³	10.72	80
5.	Ozone as O ₃	IS:5182 (Part-9)	µg/m ³	BDL(<20)	100
6.	NH ₃	CPCB manual & 401-Method Air sampling & analysis, 3rd Edition	µg/m ³	23.44	400
7.	Lead	IS:5182 (Part-22)	µg/m ³	BDL(<0.05)	1 (24 hour average)
8.	Nickel	CPCB Guidelines 1988	ng/m ³	BDL(<4)	20 (Annual average)

BDL- Below Detection Limit

Tested By

Leena
(Leena Sharma)
Chemist



Authorized Signatory

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



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TEST REPORT

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(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600001761 Dated:- 21.05.2024
3. Date & Time of Monitoring : 25.12.2024/07:30AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 27.12.2024
7. Period of Analysis : 27.12.2024 to 06.01.2025
8. Name of Location : Near Mine Gate
9. Method of Sampling : Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	17.6
2.	Relative Humidity	%	68

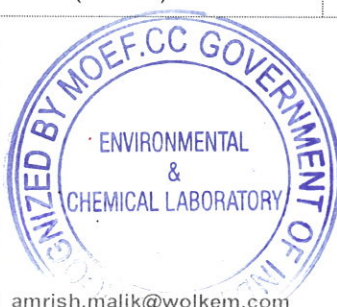
Results Ambient Air Quality

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	0.36	04 (1 hour)
2.	Benzo(a)pyrene	IS:5182 (Part-12)	ng/m ³	BDL(<0.01)	1 (Annual average)
3.	Arsenic	NAAQMS/37/2012-13 By CPCB Delhi and Compendium Method IO-3.2:2012	ng/m ³	BDL(<3)	6 (Annual average)
4.	Benzene	IS:5182 (Part-11)	µg/m ³	BDL(<0.01)	5 (Annual average)

BDL- Below Detection Limit

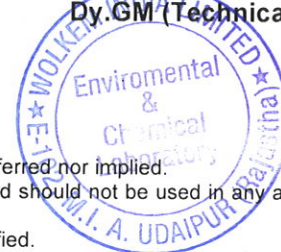
Tested By

Leena
(Leena Sharma)
Chemist



Authorized Signatory

Amresh Kumar
(Amresh Kumar)
Dy. GM (Technical)



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TEST REPORT



1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA); -5941
2. Purchase Order Number : 4600001761 Dated: - 21.05.2024
3. Date & Time of Monitoring : 03.03.2025/10:00AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 07.03.2025
7. Period of Analysis : 07.03.2025 to 12.03.2025
8. Name of Location : Near Main Security Gate
9. Method of Sampling : IS: 5182 (Part 2,6,23) & Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	29.3
2.	Relative Humidity	%	66

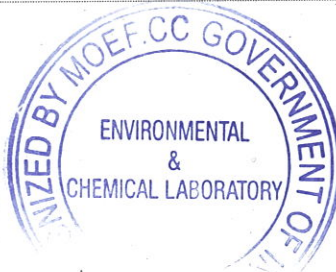
Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 th Nov. 2009
Chemical - Atmospheric Pollution - Ambient Air					
1.	PM ₁₀	IS:5182 (Part-23)	µg/m ³	68.72	100
2.	PM _{2.5}	WIL/SOP No. 10/25 Issue date 01.05.2019	µg/m ³	36.20	60
3.	SO ₂	IS:5182 (Part-2)	µg/m ³	8.06	80
4.	NO ₂	IS:5182 (Part-6)	µg/m ³	14.27	80
5.	Ozone as O ₃	IS:5182 (Part-9)	µg/m ³	BDL(<20)	100
6.	NH ₃	CPCB manual & 401-Method Air sampling & analysis, 3rd Edition	µg/m ³	25.63	400
7.	Lead	IS:5182 (Part-22)	µg/m ³	BDL(<0.05)	1 (24 hour average)
8.	Nickel	CPCB Guidelines 1988	ng/m ³	BDL(<4)	20 (Annual average)
9.	Arsenic	NAAQMS/37/2012-13 By CPCB Delhi and Compendium Method IO-3.2:2012	ng/m ³	BDL(<5)	6 (Annual average)

BDL- Below Detection Limit

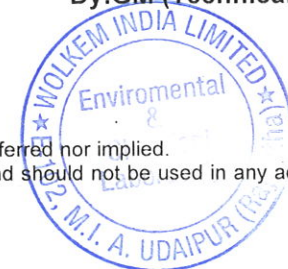
Tested By

Leena
(Leena Sharma)
Chemist



Authorized Signatory

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



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Report No. 20250307005/B

Report Issue Date: - 13.03.2025

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600001761 Dated: - 21.05.2024
3. Date & Time of Monitoring : 03.03.2025/10:00AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 07.03.2025
7. Period of Analysis : 07.03.2025 to 12.03.2025
8. Name of Location : Near Main Security Gate
9. Method of Sampling : Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	29.3
2.	Relative Humidity	%	66

Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 th Nov. 2009
Chemical - Atmospheric Pollution - Ambient Air					
1.	CO	BY CO Meter	mg/m ³	0.41	04 (1 hour)
2.	Benzo(a)pyrene	IS:5182 (Part-12)	ng/m ³	BDL(<0.01)	1 (Annual average)
3.	Benzene	IS:5182 (Part-11)	µg/m ³	BDL(<0.01)	5 (Annual average)

BDL- Below Detection Limit

Tested By

(Leena Sharma)
Chemist



Authorized Signatory

(Amreesh Kumar)
Dy.GM (Technical)



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Report No.20250307006/A

ULR No. TC594125000000941F

Report Issue Date: 13.03.2025

TEST REPORT



5941

1. Name of Customer : M/s J.K. Cement Works Nimbahera, (Unit-Cement Plant), Tehsil - Nimbahera, District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600001761 Dated: - 21.05.2024
3. Date & Time of Monitoring : 03.03.2025/10:15AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 07.03.2025
7. Period of Analysis : 07.03.2025 to 12.03.2025
8. Name of Location : Near Thermal Power Plant
9. Method of Sampling : IS: 5182(Part 2,6,23) & Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	29.7
2.	Relative Humidity	%	66

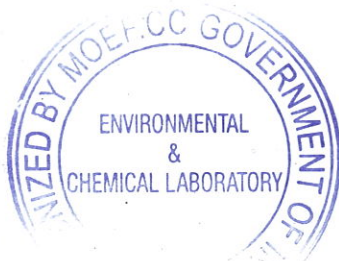
Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 th Nov. 2009
Chemical - Atmospheric Pollution - Ambient Air					
1.	PM ₁₀	IS:5182 (Part-23)	µg/m ³	76.43	100
2.	PM _{2.5}	WIL/SOP No. 10/25 Issue date 01.05.2019	µg/m ³	49.08	60
3.	SO ₂	IS:5182 (Part-2)	µg/m ³	10.62	80
4.	NO ₂	IS:5182 (Part-6)	µg/m ³	14.98	80
5.	Ozone as O ₃	IS:5182 (Part-9)	µg/m ³	BDL(<20)	100
6.	NH ₃	CPCB manual & 401-Method Air sampling & analysis, 3rd Edition	µg/m ³	24.44	400
7.	Lead	IS:5182 (Part-22)	µg/m ³	BDL(<0.05)	1 (24 hour average)
8.	Nickel	CPCB Guidelines 1988	ng/m ³	BDL(<4)	20 (Annual average)
9.	Arsenic	NAAQMS/37/2012-13 By CPCB Delhi and Compendium Method IO-3.2:2012	ng/m ³	BDL(<5)	6 (Annual average)

BDL- Below Detection Limit

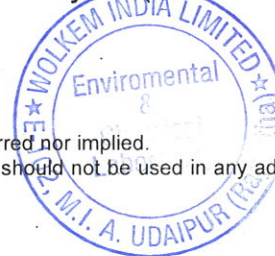
Tested By

Leena Sharma
(Leena Sharma)
Chemist



Authorized Signatory

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



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Report No. 20250307006/B

Report Issue Date: - 13.03.2025

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600001761 Dated: - 21.05.2024
3. Date & Time of Monitoring : 03.03.2025/10:15AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 07.03.2025
7. Period of Analysis : 07.03.2025 to 12.03.2025
8. Name of Location : Near Thermal Power Plant
9. Method of Sampling : Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	29.7
2.	Relative Humidity	%	66

Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 th Nov. 2009
Chemical - Atmospheric Pollution - Ambient Air					
1.	CO	BY CO Meter	mg/m ³	0.70	04 (1 hour)
2.	Benzo(a)pyrene	IS:5182 (Part-12)	ng/m ³	BDL(<0.01)	1 (Annual average)
3.	Benzene	IS:5182 (Part-11)	µg/m ³	BDL(<0.01)	5 (Annual average)

BDL- Below Detection Limit

Tested By

(Leena Sharma)
Chemist



Authorized Signatory

(Amreesh Kumar)
Dy. GM (Technical)



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Report No.20250307007/A

ULR No. TC594125000000942F

Report Issue Date: 13.03.2025

TEST REPORT



1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
AG - 5941
2. Purchase Order Number : 4600001761 Dated: - 21.05.2024
3. Date & Time of Monitoring : 03.03.2025/10:30AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 07.03.2025
7. Period of Analysis : 07.03.2025 to 12.03.2025
8. Name of Location : Near Cricket Ground Colony
9. Method of Sampling : IS: 5182(Part 2,6,23) & Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	30
2.	Relative Humidity	%	64

Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 th Nov. 2009
Chemical - Atmospheric Pollution - Ambient Air					
1.	PM ₁₀	IS:5182 (Part-23)	µg/m ³	73.52	100
2.	PM _{2.5}	WIL/SOP No. 10/25 Issue date 01.05.2019	µg/m ³	40.52	60
3.	SO ₂	IS:5182 (Part-2)	µg/m ³	9.29	80
4.	NO ₂	IS:5182 (Part-6)	µg/m ³	11.59	80
5.	Ozone as O ₃	IS:5182 (Part-9)	µg/m ³	BDL(<20)	100
6.	NH ₃	CPCB manual & 401-Method Air sampling & analysis, 3rd Edition	µg/m ³	21.36	400
7.	Lead	IS:5182 (Part-22)	µg/m ³	BDL(<0.05)	1 (24 hour average)
8.	Nickel	CPCB Guidelines 1988	ng/m ³	BDL(<4)	20 (Annual average)
9.	Arsenic	NAAQMS/37/2012-13 By CPCB Delhi and Compendium Method IO-3.2:2012	ng/m ³	BDL(<5)	6 (Annual average)

BDL- Below Detection Limit

Tested By

Leena
(Leena Sharma)
Chemist



Authorized Signatory

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



Note

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TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600001761 Dated: - 21.05.2024
3. Date & Time of Monitoring : 03.03.2025/10:30AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 07.03.2025
7. Period of Analysis : 07.03.2025 to 12.03.2025
8. Name of Location : Near Cricket Ground Colony
9. Method of Sampling : Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	30
2.	Relative Humidity	%	64

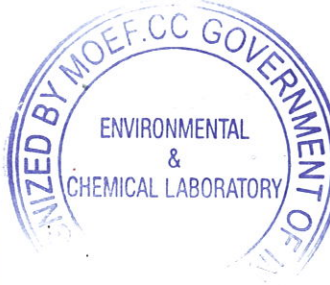
Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 th Nov. 2009
Chemical - Atmospheric Pollution - Ambient Air					
1.	CO	BY CO Meter	mg/m ³	0.47	04 (1 hour)
2.	Benzo(a)pyrene	IS:5182 (Part-12)	ng/m ³	BDL(<0.01)	1 (Annual average)
3.	Benzene	IS:5182 (Part-11)	µg/m ³	BDL(<0.01)	5 (Annual average)

BDL- Below Detection Limit

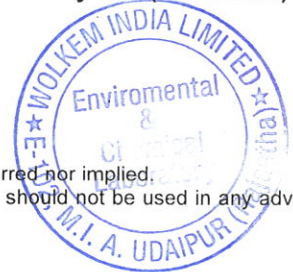
Tested By

Leena
(Leena Sharma)
Chemist



Authorized Signatory

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



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Report No.20250307008/A

ULR No. TC594125000000943F

Report Issue Date: 13.03.2025

TEST REPORT



TC - 5941

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600001761 Dated: - 21.05.2024
3. Date & Time of Monitoring : 03.03.2025/10:45AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 07.03.2025
7. Period of Analysis : 07.03.2025 to 12.03.2025
8. Name of Location : Near Mine Gate
9. Method of Sampling : IS: 5182(Part 2,6, 23) & Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	30.2
2.	Relative Humidity	%	65

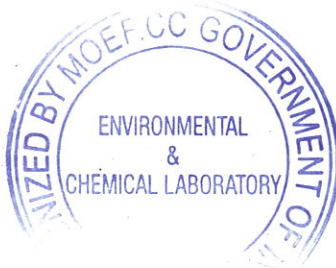
Results Ambient Air Quality

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 th Nov. 2009
Chemical - Atmospheric Pollution - Ambient Air					
1.	PM ₁₀	IS:5182 (Part-23)	µg/m ³	74.00	100
2.	PM _{2.5}	WIL/SOP No. 10/25 Issue date 01.05.2019	µg/m ³	44.42	60
3.	SO ₂	IS:5182 (Part-2)	µg/m ³	8.42	80
4.	NO ₂	IS:5182 (Part-6)	µg/m ³	11.53	80
5.	Ozone as O ₃	IS:5182 (Part-9)	µg/m ³	BDL(<20)	100
6.	NH ₃	CPCB manual & 401-Method Air sampling & analysis, 3rd Edition	µg/m ³	21.60	400
7.	Lead	IS:5182 (Part-22)	µg/m ³	BDL(<0.05)	1 (24 hour average)
8.	Nickel	CPCB Guidelines 1988	ng/m ³	BDL(<4)	20 (Annual average)
9.	Arsenic	NAAQMS/37/2012-13 By CPCB Delhi and Compendium Method IO-3.2:2012	ng/m ³	BDL(<5)	6 (Annual average)

BDL- Below Detection Limit

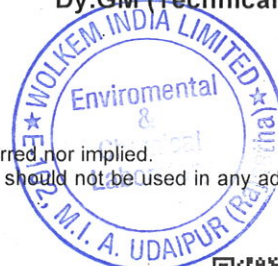
Tested By

(Leena Sharma)
Chemist



Authorized Signatory

(Amreesh Kumar)
Dy. GM (Technical)



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Report No. 20250307008/B

Report Issue Date: - 13.03.2025

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600001761 Dated:- 21.05.2024
3. Date & Time of Monitoring : 03.03.2025/10:45AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 07.03.2025
7. Period of Analysis : 07.03.2025 to 12.03.2025
8. Name of Location : Near Mine Gate
9. Method of Sampling : Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	30.2
2.	Relative Humidity	%	65

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	0.42	04 (1 hour)
2.	Benzo(a)pyrene	IS:5182 (Part-12)	ng/m ³	BDL(<0.01)	1 (Annual average)
3.	Benzene	IS:5182 (Part-11)	µg/m ³	BDL(<0.01)	5 (Annual average)

BDL- Below Detection Limit

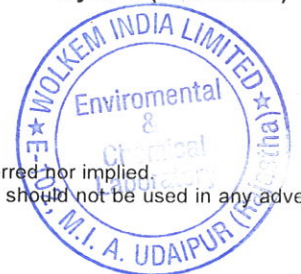
Tested By

(Leena Sharma)
Chemist



Authorized Signatory

(Amresh Kumar)
Dy.GM (Technical)



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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



Report No. 20241111135/A

Report Issue Date: - 20.11.2024

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Ground water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 09.11.2024/10:00AM
6. Sample received on : 11.11.2024
7. Period of Analysis : 11.11.2024 to 20.11.2024
8. Name of Sample & Location : Bore well No. 1
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	29.8
2.	Relative Humidity	%	25

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)	-	7.44	6.5 to 8.5	No Relaxation
2.	Conductivity (at 25°C)	IS:3025(Part-14)	µs/cm	923.7	-	-
3.	Color	IS:3025(Part-4)	Hazen	<5	5	15
4.	Odour	IS:3025(Part-5)	-	Agreeable	Agreeable	Agreeable
5.	Taste	IS:3025(Part-7)	-	Agreeable	Agreeable	Agreeable
6.	Turbidity	IS:3025(Part-10)	NTU	0.70	1	5
7.	Total Dissolve Solid	IS:3025(Part-16)	mg/L	578	500	2000
8.	Total Hardness as CaCO ₃	IS:3025(Part-21)	mg/L	352	200	600
9.	Calcium as Ca ²⁺	IS:3025(Part-40)	mg/L	100.8	75	200
10.	Magnesium as Mg ²⁺	IS:3025(Part-46)	mg/L	24.0	30	100
11.	Alkalinity	IS:3025(Part-23)	mg/L	156	200	600
12.	Chlorides as Cl ⁻	IS:3025(Part-32)	mg/L	134	250	1000
13.	Residual Chlorine	IS:3025(Part-26)	mg/L	BDL(<0.01)	0.2	1
14.	Fluoride as F ⁻	APHA 23rd Ed., 4500 FD	mg/L	0.58	1.0	1.5
15.	Sulphate as SO ₄	APHA 23rd Ed.4500 SO ₄ E	mg/L	35.8	200	400
16.	Sulphide	APHA 23rd Ed., 4500-S2- Page 4-181 to 183	mg/L	BDL(<0.01)	0.05	No Relaxation
17.	Nitrate as NO ₃	APHA 23rd Ed., 4500 NO ₃ B	mg/L	8.1	45	No Relaxation
18.	Free Ammonia	APHA 23rd Ed., 2017,4500-NH ₃ C Page 4-116	mg/L	BDL(<0.5)	0.5	No Relaxation
19.	Settleable Solid	APHA 23rd Ed., 2540F	ml/L	BDL(<5.0)	-	-
20.	Boron	IS:3025(Part-57)	mg/L	BDL(<0.1)	0.5	1.0
21.	Chloramines	IS:3025(Part-26)	mg/L	BDL(<0.01)	4.0	No Relaxation

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Page 1 of 2



TC - 5941





Report No. 20241111135/A

Report Issue Date: - 20.11.2024

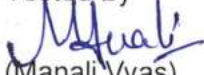
TEST REPORT

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(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Ground water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 09.11.2024/10:00AM
6. Sample received on : 11.11.2024
7. Period of Analysis : 11.11.2024 to 20.11.2024
8. Name of Sample & Location : Bore well No. 1
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No.	Parameters	Test Method	Unit	Results	Limits :- IS-10500:2012	
					Acceptable	Permissible
Chemical Testing – Residues – Ground water						
22.	Total Chromium	APHA 23rd Ed.3111B	mg/L	BDL(<0.02)	0.05	No Relaxation
23.	Cadmium as Cd	APHA 23rd Ed.3111B	mg/L	BDL(<0.01)	0.003	No Relaxation
24.	Copper as Cu	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	0.05	1.5
25.	Zinc	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	5	15
26.	Iron as Fe	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	0.3	No Relaxation
27.	Aluminium	APHA 23rd Ed.3111D	mg/L	BDL(<0.5)	0.03	0.2
28.	Arsenic	APHA 23rd Ed.3114C	mg/L	BDL(<0.05)	-	-
29.	Selenium	APHA 23rd Ed.3111C	mg/L	BDL(<0.05)	0.01	No Relaxation
30.	Barium	APHA 23rd Ed.3111D	mg/L	BDL(<0.01)	0.7	No Relaxation
31.	Manganese as Mn	APHA 23rd Ed.3111B	mg/L	BDL(<0.01)	0.1	0.3

BDL-Below Detection Limit

Tested By


(Manali Vyas)
Chemist

Authorized Signatory


(Purn Singh)
Asst. Officer

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Page 2 of 2
End of Report



TC - 5941



Report No. 20241111135/B

Report Issue Date: - 20.11.2024

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Ground water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 09.11.2024/10:00AM
6. Sample received on : 11.11.2024
7. Period of Analysis : 11.11.2024 to 20.11.2024
8. Name of Sample & Location : Bore well No. 1
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	29.8
2.	Relative Humidity	%	25

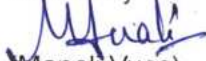
S. No	Parameters	Test Method	Unit	Results	Limits- IS:10500:2012	
					Acceptable	Permissible

Chemical Testing – Water – Ground Water

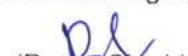
1.	Silver as Ag	Annex J of IS 13428	mg/L	BDL(<0.1)	0.1	No Relaxation
2.	Nickel as Ni	APHA 23 rd Ed.,3111B	mg/L	BDL(<0.01)	0.02	No Relaxation
3.	Phenolic Compounds as C ₆ H ₅ OH	IS:3025 (Part-43)	mg/L	BDL(<0.001)	0.001	0.002
4.	Anionic Detergent as MBAS	Annex K of IS 13428	mg/L	BDL(<0.1)	0.2	1.0

BDL-Below Detection Limit

Tested By


(Manali Vyas)
Chemist

Authorized Signatory


(Purn Singh)
Asst. Officer

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CIN- U29299RJ1971PLC001379



Certificate No.
01130126322

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Report No. 20241111136/A

Report Issue Date: - 20.11.2024

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Ground water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 09.11.2024/10:25AM
6. Sample received on : 11.11.2024
7. Period of Analysis : 11.11.2024 to 20.11.2024
8. Name of Sample & Location : Bore well No. 2
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	29.9
2.	Relative Humidity	%	26

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)	-	7.29	6.5 to 8.5	No Relaxation
2.	Conductivity (at 25°C)	IS:3025(Part-14)	µs/cm	936	-	-
3.	Color	IS:3025(Part-4)	Hazen	<5	5	15
4.	Odour	IS:3025(Part-5)	-	Agreeable	Agreeable	Agreeable
5.	Taste	IS:3025(Part-7)	-	Agreeable	Agreeable	Agreeable
6.	Turbidity	IS:3025(Part-10)	NTU	0.80	1	5
7.	Total Dissolve Solid	IS:3025(Part-16)	mg/L	600	500	2000
8.	Total Hardness as CaCO ₃	IS:3025(Part-21)	mg/L	376	200	600
9.	Calcium as Ca ²⁺	IS:3025(Part-40)	mg/L	113.6	75	200
10.	Magnesium as Mg ²⁺	IS:3025(Part-46)	mg/L	22.1	30	100
11.	Alkalinity	IS:3025(Part-23)	mg/L	156	200	600
12.	Chlorides as Cl ⁻	IS:3025(Part-32)	mg/L	124	250	1000
13.	Residual Chlorine	IS:3025(Part-26)	mg/L	BDL(<0.01)	0.2	1
14.	Fluoride as F ⁻	APHA 23rd Ed., 4500 FD	mg/L	0.62	1.0	1.5
15.	Sulphate as SO ₄	APHA 23rd Ed.4500 SO ₄ E	mg/L	38.2	200	400
16.	Sulphide	APHA 23rd Ed., 4500-S2- Page 4-181 to 183	mg/L	BDL(<0.01)	0.05	No Relaxation
17.	Nitrate as NO ₃	APHA 23rd Ed., 4500 NO ₃ B	mg/L	10.0	45	No Relaxation
18.	Free Ammonia	APHA 23rd Ed., 2017,4500-NH ₃ C Page 4-116	mg/L	BDL(<0.5)	0.5	No Relaxation
19.	Settleable Solid	APHA 23rd Ed., 2540F	ml/L	BDL(<5.0)	-	-
20.	Boron	IS:3025(Part-57)	mg/L	BDL(<0.1)	0.5	1.0
21.	Chloramines	IS:3025(Part-26)	mg/L	BDL(<0.01)	4.0	No Relaxation

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Page 1 of 2



TC - 5941





Report No. 20241111136/A

Report Issue Date: - 20.11.2024

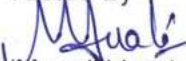
TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
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District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Ground water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 09.11.2024/10:25AM
6. Sample received on : 11.11.2024
7. Period of Analysis : 11.11.2024 to 20.11.2024
8. Name of Sample & Location : Bore well No. 2
9. Method of Sampling : IS:3025 (Pt 1) 1987


S. No.	Parameters	Test Method	Unit	Results	Limits :- IS-10500:2012	
					Acceptable	Permissible
Chemical Testing – Residues – Ground water						
22.	Total Chromium	APHA 23rd Ed.3111B	mg/L	BDL(<0.02)	0.05	No Relaxation
23.	Cadmium as Cd	APHA 23rd Ed.3111B	mg/L	BDL(<0.01)	0.003	No Relaxation
24.	Copper as Cu	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	0.05	1.5
25.	Zinc	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	5	15
26.	Iron as Fe	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	0.3	No Relaxation
27.	Aluminium	APHA 23rd Ed.3111D	mg/L	BDL(<0.5)	0.03	0.2
28.	Arsenic	APHA 23rd Ed.3114C	mg/L	BDL(<0.05)	-	-
29.	Selenium	APHA 23rd Ed.3111C	mg/L	BDL(<0.05)	0.01	No Relaxation
30.	Barium	APHA 23rd Ed.3111D	mg/L	BDL(<0.01)	0.7	No Relaxation
31.	Manganese as Mn	APHA 23rd Ed.3111B	mg/L	BDL(<0.01)	0.1	0.3

BDL-Below Detection Limit

Tested By


(Manali Vyas)
Chemist

Authorized Signatory


(Purn Singh)
Asst. Officer



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Page 2 of 2
End of Report





Report No. 20241111136/B

Report Issue Date: - 20.11.2024

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Ground water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 09.11.2024/10:25AM
6. Sample received on : 11.11.2024
7. Period of Analysis : 11.11.2024 to 20.11.2024
8. Name of Sample & Location : Bore well No. 2
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	29.9
2.	Relative Humidity	%	26

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

Chemical Testing – Water – Ground Water

1.	Silver as Ag	Annex J of IS 13428	mg/L	BDL(<0.1)	0.1	No Relaxation
2.	Nickel as Ni	APHA 23 rd Ed.,3111B	mg/L	BDL(<0.01)	0.02	No Relaxation
3.	Phenolic Compounds as C ₆ H ₅ OH	IS:3025 (Part-43)	mg/L	BDL(<0.001)	0.001	0.002
4.	Anionic Detergent as MBAS	Annex K of IS 13428	mg/L	BDL(<0.1)	0.2	1.0

BDL-Below Detection Limit

Tested By

(Manali Vyas)
Chemist

Authorized Signatory

(Puran Singh)
Asst. Officer

Note

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Page 1 of 1

End of Report



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

CIN- U29299RJ1971PLC001379



OHSAS
Certificate No.
01130126322

Our Commitment.. Your Trust



Report No. 20241111137/A

Report Issue Date: - 20.11.2024

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Ground water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 09.11.2024/10:55AM
6. Sample received on : 11.11.2024
7. Period of Analysis : 11.11.2024 to 20.11.2024
8. Name of Sample & Location : Bore well No. 3
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	30.1
2.	Relative Humidity	%	27

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)	-	7.63	6.5 to 8.5	No Relaxation
2.	Conductivity (at 25°C)	IS:3025(Part-14)	µs/cm	896	-	-
3.	Color	IS:3025(Part-4)	Hazen	<5	5	15
4.	Odour	IS:3025(Part-5)	-	Agreeable	Agreeable	Agreeable
5.	Taste	IS:3025(Part-7)	-	Agreeable	Agreeable	Agreeable
6.	Turbidity	IS:3025(Part-10)	NTU	0.90	1	5
7.	Total Dissolve Solid	IS:3025(Part-16)	mg/L	570	500	2000
8.	Total Hardness as CaCO ₃	IS:3025(Part-21)	mg/L	344	200	600
9.	Calcium as Ca ²⁺	IS:3025(Part-40)	mg/L	102.4	75	200
10.	Magnesium as Mg ²⁺	IS:3025(Part-46)	mg/L	21.1	30	100
11.	Alkalinity	IS:3025(Part-23)	mg/L	176	200	600
12.	Chlorides as Cl ⁻	IS:3025(Part-32)	mg/L	111	250	1000
13.	Residual Chlorine	IS:3025(Part-26)	mg/L	BDL(<0.01)	0.2	1
14.	Fluoride as F ⁻	APHA 23rd Ed., 4500 FD	mg/L	0.65	1.0	1.5
15.	Sulphate as SO ₄	APHA 23rd Ed.4500 SO ₄ E	mg/L	45.4	200	400
16.	Sulphide	APHA 23rd Ed., 4500-S2- Page 4-181 to 183	mg/L	BDL(<0.01)	0.05	No Relaxation
17.	Nitrate as NO ₃	APHA 23rd Ed., 4500 NO ₃ B	mg/L	8.8	45	No Relaxation
18.	Free Ammonia	APHA 23rd Ed., 2017,4500-NH ₃ C Page 4-116	mg/L	BDL(<0.5)	0.5	No Relaxation
19.	Settleable Solid	APHA 23rd Ed., 2540F	ml/L	BDL(<5.0)	-	-
20.	Boron	IS:3025(Part-57)	mg/L	BDL(<0.1)	0.5	1.0
21.	Chloramines	IS:3025(Part-26)	mg/L	BDL(<0.01)	4.0	No Relaxation

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Report No. 20241111137/A

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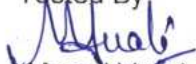
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District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Ground water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 09.11.2024/10:55AM
6. Sample received on : 11.11.2024
7. Period of Analysis : 11.11.2024 to 20.11.2024
8. Name of Sample & Location : Bore well No. 3
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No.	Parameters	Test Method	Unit	Results	Limits :- IS-10500:2012	
					Acceptable	Permissible
Chemical Testing – Residues – Ground water						
22.	Total Chromium	APHA 23rd Ed.3111B	mg/L	BDL(<0.02)	0.05	No Relaxation
23.	Cadmium as Cd	APHA 23rd Ed.3111B	mg/L	BDL(<0.01)	0.003	No Relaxation
24.	Copper as Cu	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	0.05	1.5
25.	Zinc	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	5	15
26.	Iron as Fe	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	0.3	No Relaxation
27.	Aluminium	APHA 23rd Ed.3111D	mg/L	BDL(<0.5)	0.03	0.2
28.	Arsenic	APHA 23rd Ed.3114C	mg/L	BDL(<0.05)	-	-
29.	Selenium	APHA 23rd Ed.3111C	mg/L	BDL(<0.05)	0.01	No Relaxation
30.	Barium	APHA 23rd Ed.3111D	mg/L	BDL(<0.01)	0.7	No Relaxation
31.	Manganese as Mn	APHA 23rd Ed.3111B	mg/L	BDL(<0.01)	0.1	0.3

BDL-Below Detection Limit

Tested By


(Manali Vyas)
Chemist

Authorized Signatory


(Puran Singh)
Asst. Officer



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Page 2 of 2
End of Report



TC - 5941





Report No. 20241111137/B

Report Issue Date: - 20.11.2024

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Ground water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 09.11.2024/10:55AM
6. Sample received on : 11.11.2024
7. Period of Analysis : 11.11.2024 to 20.11.2024
8. Name of Sample & Location : Bore well No. 3
9. Method of Sampling : IS:3025 (Pt 1) 1987

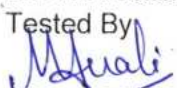
S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	30.1
2.	Relative Humidity	%	27

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

Chemical Testing – Water – Ground Water


1.	Silver as Ag	Annex J of IS 13428	mg/L	BDL(<0.1)	0.1	No Relaxation
2.	Nickel as Ni	APHA 23 rd Ed.,3111B	mg/L	BDL(<0.01)	0.02	No Relaxation
3.	Phenolic Compounds as C ₆ H ₅ OH	IS:3025 (Part-43)	mg/L	BDL(<0.001)	0.001	0.002
4.	Anionic Detergent as MBAS	Annex K of IS 13428	mg/L	BDL(<0.1)	0.2	1.0

BDL-Below Detection Limit

Tested By

(Manali Vyas)
Chemist



Authorized Signatory


(Purn Singh)
Ass. Officer



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Report No. 20241111138/A

Report Issue Date: - 20.11.2024

TEST REPORT

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(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Ground water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 09.11.2024/11:15AM
6. Sample received on : 11.11.2024
7. Period of Analysis : 11.11.2024 to 20.11.2024
8. Name of Sample & Location : Bore well No. 4
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	30.2
2.	Relative Humidity	%	29

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)	-	7.66	6.5 to 8.5	No Relaxation
2.	Conductivity (at 25°C)	IS:3025(Part-14)	µs/cm	619.2	-	-
3.	Color	IS:3025(Part-4)	Hazen	<5	5	15
4.	Odour	IS:3025(Part-5)	-	Agreeable	Agreeable	Agreeable
5.	Taste	IS:3025(Part-7)	-	Agreeable	Agreeable	Agreeable
6.	Turbidity	IS:3025(Part-10)	NTU	0.80	1	5
7.	Total Dissolve Solid	IS:3025(Part-16)	mg/L	456	500	2000
8.	Total Hardness as CaCO ₃	IS:3025(Part-21)	mg/L	258	200	600
9.	Calcium as Ca ²⁺	IS:3025(Part-40)	mg/L	80.8	75	200
10.	Magnesium as Mg ²⁺	IS:3025(Part-46)	mg/L	13.4	30	100
11.	Alkalinity	IS:3025(Part-23)	mg/L	148	200	600
12.	Chlorides as Cl ⁻	IS:3025(Part-32)	mg/L	105	250	1000
13.	Residual Chlorine	IS:3025(Part-26)	mg/L	BDL(<0.01)	0.2	1
14.	Fluoride as F ⁻	APHA 23rd Ed., 4500 FD	mg/L	0.61	1.0	1.5
15.	Sulphate as SO ₄	APHA 23rd Ed. 4500 SO ₄ E	mg/L	38.8	200	400
16.	Sulphide	APHA 23rd Ed., 4500-S2- Page 4-181 to 183	mg/L	BDL(<0.01)	0.05	No Relaxation
17.	Nitrate as NO ₃	APHA 23rd Ed., 4500 NO ₃ B	mg/L	8.7	45	No Relaxation
18.	Free Ammonia	APHA 23rd Ed., 2017, 4500-NH ₃ C Page 4-116	mg/L	BDL(<0.5)	0.5	No Relaxation
19.	Settleable Solid	APHA 23rd Ed., 2540F	ml/L	BDL(<5.0)	-	-
20.	Boron	IS:3025(Part-57)	mg/L	BDL(<0.1)	0.5	1.0
21.	Chloramines	IS:3025(Part-26)	mg/L	BDL(<0.01)	4.0	No Relaxation

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Page 1 of 2



TC - 5941





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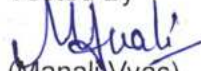
TEST REPORT

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District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Ground water
4. Condition of Sample : Sealed/OK
5. Date & Time of Sampling : 09.11.2024/11:15AM
6. Sample received on : 11.11.2024
7. Period of Analysis : 11.11.2024 to 20.11.2024
8. Name of Sample & Location : Bore well No. 4
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No.	Parameters	Test Method	Unit	Results	Limits :- IS-10500:2012	
					Acceptable	Permissible
Chemical Testing – Residues – Ground water						
22.	Total Chromium	APHA 23rd Ed.3111B	mg/L	BDL(<0.02)	0.05	No Relaxation
23.	Cadmium as Cd	APHA 23rd Ed.3111B	mg/L	BDL(<0.01)	0.003	No Relaxation
24.	Copper as Cu	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	0.05	1.5
25.	Zinc	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	5	15
26.	Iron as Fe	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	0.3	No Relaxation
27.	Aluminium	APHA 23rd Ed.3111D	mg/L	BDL(<0.5)	0.03	0.2
28.	Arsenic	APHA 23rd Ed.3114C	mg/L	BDL(<0.05)	-	-
29.	Selenium	APHA 23rd Ed.3111C	mg/L	BDL(<0.05)	0.01	No Relaxation
30.	Barium	APHA 23rd Ed.3111D	mg/L	BDL(<0.01)	0.7	No Relaxation
31.	Manganese as Mn	APHA 23rd Ed.3111B	mg/L	BDL(<0.01)	0.1	0.3

BDL-Below Detection Limit

Tested By


(Manali Vyas)
Chemist



Authorized Signatory


(Purnan Singh)
Asst. Officer

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End of Report



TC - 5941





Report No. 20241111138/B

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TEST REPORT

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(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Ground water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 09.11.2024/11:15AM
6. Sample received on : 11.11.2024
7. Period of Analysis : 11.11.2024 to 20.11.2024
8. Name of Sample & Location : Bore well No. 4
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	30.2
2.	Relative Humidity	%	29

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

Chemical Testing – Water – Ground Water

1.	Silver as Ag	Annex J of IS 13428	mg/L	BDL(<0.1)	0.1	No Relaxation
2.	Nickel as Ni	APHA 23 rd Ed., 3111B	mg/L	BDL(<0.01)	0.02	No Relaxation
3.	Phenolic Compounds as C ₆ H ₅ OH	IS:3025 (Part-43)	mg/L	BDL(<0.001)	0.001	0.002
4.	Anionic Detergent as MBAS	Annex K of IS 13428	mg/L	BDL(<0.1)	0.2	1.0

BDL-Below Detection Limit

Tested By

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(Purn Singh)
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Report No. 20241111139/A

Report Issue Date: - 20.11.2024

TEST REPORT

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(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Ground water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 09.11.2024/11:30AM
6. Sample received on : 11.11.2024
7. Period of Analysis : 11.11.2024 to 20.11.2024
8. Name of Sample & Location : Bore well No. 5
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	30.4
2.	Relative Humidity	%	28

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)	-	7.35	6.5 to 8.5	No Relaxation
2.	Conductivity (at 25°C)	IS:3025(Part-14)	µs/cm	888.2	-	-
3.	Color	IS:3025(Part-4)	Hazen	<5	5	15
4.	Odour	IS:3025(Part-5)	-	Agreeable	Agreeable	Agreeable
5.	Taste	IS:3025(Part-7)	-	Agreeable	Agreeable	Agreeable
6.	Turbidity	IS:3025(Part-10)	NTU	0.70	1	5
7.	Total Dissolve Solid	IS:3025(Part-16)	mg/L	558	500	2000
8.	Total Hardness as CaCO ₃	IS:3025(Part-21)	mg/L	376	200	600
9.	Calcium as Ca ²⁺	IS:3025(Part-40)	mg/L	113.6	75	200
10.	Magnesium as Mg ²⁺	IS:3025(Part-46)	mg/L	22.1	30	100
11.	Alkalinity	IS:3025(Part-23)	mg/L	166	200	600
12.	Chlorides as Cl ⁻	IS:3025(Part-32)	mg/L	102	250	1000
13.	Residual Chlorine	IS:3025(Part-26)	mg/L	BDL(<0.01)	0.2	1
14.	Fluoride as F ⁻	APHA 23rd Ed., 4500 FD	mg/L	0.60	1.0	1.5
15.	Sulphate as SO ₄	APHA 23rd Ed.4500 SO ₄ E	mg/L	35.4	200	400
16.	Sulphide	APHA 23rd Ed., 4500-S2- Page 4-181 to 183	mg/L	BDL(<0.01)	0.05	No Relaxation
17.	Nitrate as NO ₃	APHA 23rd Ed., 4500 NO ₃ B	mg/L	8.8	45	No Relaxation
18.	Free Ammonia	APHA 23rd Ed., 2017,4500-NH ₃ C Page 4-116	mg/L	BDL(<0.5)	0.5	No Relaxation
19.	Settleable Solid	APHA 23rd Ed., 2540F	ml/L	BDL(<5.0)	-	-
20.	Boron	IS:3025(Part-57)	mg/L	BDL(<0.1)	0.5	1.0
21.	Chloramines	IS:3025(Part-26)	mg/L	BDL(<0.01)	4.0	No Relaxation

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Page 1 of 2



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Report No. 20241111139/A

Report Issue Date: - 20.11.2024

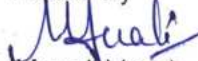
TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Ground water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 09.11.2024/11:30AM
6. Sample received on : 11.11.2024
7. Period of Analysis : 11.11.2024 to 20.11.2024
8. Name of Sample & Location : Bore well No. 5
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No.	Parameters	Test Method	Unit	Results	Limits :- IS-10500:2012	
					Acceptable	Permissible
Chemical Testing – Residues – Ground water						
22.	Total Chromium	APHA 23rd Ed.3111B	mg/L	BDL(<0.02)	0.05	No Relaxation
23.	Cadmium as Cd	APHA 23rd Ed.3111B	mg/L	BDL(<0.01)	0.003	No Relaxation
24.	Copper as Cu	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	0.05	1.5
25.	Zinc	APHA 23rd Ed.3111B	mg/L	0.10	5	15
26.	Iron as Fe	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	0.3	No Relaxation
27.	Aluminium	APHA 23rd Ed.3111D	mg/L	BDL(<0.5)	0.03	0.2
28.	Arsenic	APHA 23rd Ed.3114C	mg/L	BDL(<0.05)	-	-
29.	Selenium	APHA 23rd Ed.3111C	mg/L	BDL(<0.05)	0.01	No Relaxation
30.	Barium	APHA 23rd Ed.3111D	mg/L	BDL(<0.01)	0.7	No Relaxation
31.	Manganese as Mn	APHA 23rd Ed.3111B	mg/L	BDL(<0.01)	0.1	0.3

BDL-Below Detection Limit

Tested By


(Manali Vyas)
Chemist

Authorized Signatory


(Purnan Singh)
Asst. Officer



Note

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Page 2 of 2
End of Report



TC - 5941





Report No. 20241111139/B

Report Issue Date: - 20.11.2024

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Ground water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 09.11.2024/11:30AM
6. Sample received on : 11.11.2024
7. Period of Analysis : 11.11.2024 to 20.11.2024
8. Name of Sample & Location : Bore well No. 5
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	30.4
2.	Relative Humidity	%	28

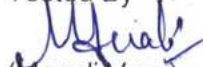
S. No	Parameters	Test Method	Unit	Results	Limits- IS:10500:2012	
					Acceptable	Permissible

Chemical Testing – Water – Ground Water

1.	Silver as Ag	Annex J of IS 13428	mg/L	BDL(<0.1)	0.1	No Relaxation
2.	Nickel as Ni	APHA 23 rd Ed., 3111B	mg/L	BDL(<0.01)	0.02	No Relaxation
3.	Phenolic Compounds as C ₆ H ₅ OH	IS:3025 (Part-43)	mg/L	BDL(<0.001)	0.001	0.002
4.	Anionic Detergent as MBAS	Annex K of IS 13428	mg/L	BDL(<0.1)	0.2	1.0

BDL-Below Detection Limit

Tested By


(Manali Vyas)
Chemist

Authorized Signatory


(Puran Singh)
Asst. Officer

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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



Report No. 20241111140/A

Report Issue Date: - 20.11.2024

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Ground water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 09.11.2024/11:40AM
6. Sample received on : 11.11.2024
7. Period of Analysis : 11.11.2024 to 20.11.2024
8. Name of Sample & Location : Bore well No. 6
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	30.7
2.	Relative Humidity	%	27

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)	-	7.22	6.5 to 8.5	No Relaxation
2.	Conductivity (at 25°C)	IS:3025(Part-14)	µs/cm	861.2	-	-
3.	Color	IS:3025(Part-4)	Hazen	<5	5	15
4.	Odour	IS:3025(Part-5)	-	Agreeable	Agreeable	Agreeable
5.	Taste	IS:3025(Part-7)	-	Agreeable	Agreeable	Agreeable
6.	Turbidity	IS:3025(Part-10)	NTU	0.80	1	5
7.	Total Dissolve Solid	IS:3025(Part-16)	mg/L	542	500	2000
8.	Total Hardness as CaCO ₃	IS:3025(Part-21)	mg/L	368	200	600
9.	Calcium as Ca ²⁺	IS:3025(Part-40)	mg/L	110.4	75	200
10.	Magnesium as Mg ²⁺	IS:3025(Part-46)	mg/L	22.1	30	100
11.	Alkalinity	IS:3025(Part-23)	mg/L	176	200	600
12.	Chlorides as Cl ⁻	IS:3025(Part-32)	mg/L	95	250	1000
13.	Residual Chlorine	IS:3025(Part-26)	mg/L	BDL(<0.01)	0.2	1
14.	Fluoride as F ⁻	APHA 23rd Ed., 4500 FD	mg/L	0.60	1.0	1.5
15.	Sulphate as SO ₄	APHA 23rd Ed.4500 SO ₄ E	mg/L	36.8	200	400
16.	Sulphide	APHA 23rd Ed., 4500-S2- Page 4-181 to 183	mg/L	BDL(<0.01)	0.05	No Relaxation
17.	Nitrate as NO ₃	APHA 23rd Ed., 4500 NO ₃ B	mg/L	9.2	45	No Relaxation
18.	Free Ammonia	APHA 23rd Ed., 2017,4500-NH ₃ C Page 4-116	mg/L	BDL(<0.5)	0.5	No Relaxation
19.	Settleable Solid	APHA 23rd Ed., 2540F	ml/L	BDL(<5.0)	-	-
20.	Boron	IS:3025(Part-57)	mg/L	BDL(<0.1)	0.5	1.0
21.	Chloramines	IS:3025(Part-26)	mg/L	BDL(<0.01)	4.0	No Relaxation

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Page 1 of 2



TC - 5941





Report No. 20241111140/A

Report Issue Date: - 20.11.2024

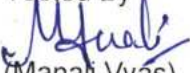
TEST REPORT

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District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Ground water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 09.11.2024/11:40AM
6. Sample received on : 11.11.2024
7. Period of Analysis : 11.11.2024 to 20.11.2024
8. Name of Sample & Location : Bore well No. 6
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No.	Parameters	Test Method	Unit	Results	Limits :- IS-10500:2012	
					Acceptable	Permissible
Chemical Testing – Residues – Ground water						
22.	Total Chromium	APHA 23rd Ed.3111B	mg/L	BDL(<0.02)	0.05	No Relaxation
23.	Cadmium as Cd	APHA 23rd Ed.3111B	mg/L	BDL(<0.01)	0.003	No Relaxation
24.	Copper as Cu	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	0.05	1.5
25.	Zinc	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	5	15
26.	Iron as Fe	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	0.3	No Relaxation
27.	Aluminium	APHA 23rd Ed.3111D	mg/L	BDL(<0.5)	0.03	0.2
28.	Arsenic	APHA 23rd Ed.3114C	mg/L	BDL(<0.05)	-	-
29.	Selenium	APHA 23rd Ed.3111C	mg/L	BDL(<0.05)	0.01	No Relaxation
30.	Barium	APHA 23rd Ed.3111D	mg/L	BDL(<0.01)	0.7	No Relaxation
31.	Manganese as Mn	APHA 23rd Ed.3111B	mg/L	BDL(<0.01)	0.1	0.3

BDL-Below Detection Limit

Tested By


(Manali Vyas)
Chemist



Authorized Signatory


(Puran Singh)
Asst. Officer



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Page 2 of 2
End of Report



TC - 5941



Report No. 20241111140/B

Report Issue Date: - 20.11.2024

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Ground water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 09.11.2024/11:40AM
6. Sample received on : 11.11.2024
7. Period of Analysis : 11.11.2024 to 20.11.2024
8. Name of Sample & Location : Bore well No. 6
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	30.7
2.	Relative Humidity	%	27

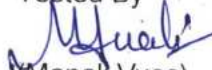
S. No	Parameters	Test Method	Unit	Results	Limits- IS:10500:2012	
					Acceptable	Permissible

Chemical Testing – Water – Ground Water

1.	Silver as Ag	Annex J of IS 13428	mg/L	BDL(<0.1)	0.1	No Relaxation
2.	Nickel as Ni	APHA 23 rd Ed., 3111B	mg/L	BDL(<0.01)	0.02	No Relaxation
3.	Phenolic Compounds as C ₆ H ₅ OH	IS:3025 (Part-43)	mg/L	BDL(<0.001)	0.001	0.002
4.	Anionic Detergent as MBAS	Annex K of IS 13428	mg/L	BDL(<0.1)	0.2	1.0

BDL-Below Detection Limit

Tested By


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Chemist

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(Purn Singh)
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Certificate No.
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Our Commitment.. Your Trust



Report No. 20241111141/A

Report Issue Date: - 20.11.2024

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Ground water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 09.11.2024/12:15PM
6. Sample received on : 11.11.2024
7. Period of Analysis : 11.11.2024 to 20.11.2024
8. Name of Sample & Location : Bore well No. 7
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	30.8
2.	Relative Humidity	%	28

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)	-	7.23	6.5 to 8.5	No Relaxation
2.	Conductivity (at 25°C)	IS:3025(Part-14)	µs/cm	760.8	-	-
3.	Color	IS:3025(Part-4)	Hazen	<5	5	15
4.	Odour	IS:3025(Part-5)	-	Agreeable	Agreeable	Agreeable
5.	Taste	IS:3025(Part-7)	-	Agreeable	Agreeable	Agreeable
6.	Turbidity	IS:3025(Part-10)	NTU	0.80	1	5
7.	Total Dissolve Solid	IS:3025(Part-16)	mg/L	490	500	2000
8.	Total Hardness as CaCO ₃	IS:3025(Part-21)	mg/L	262	200	600
9.	Calcium as Ca ²⁺	IS:3025(Part-40)	mg/L	78.4	75	200
10.	Magnesium as Mg ²⁺	IS:3025(Part-46)	mg/L	15.8	30	100
11.	Alkalinity	IS:3025(Part-23)	mg/L	168	200	600
12.	Chlorides as Cl ⁻	IS:3025(Part-32)	mg/L	108	250	1000
13.	Residual Chlorine	IS:3025(Part-26)	mg/L	BDL(<0.01)	0.2	1
14.	Fluoride as F ⁻	APHA 23rd Ed., 4500 FD	mg/L	0.68	1.0	1.5
15.	Sulphate as SO ₄	APHA 23rd Ed.4500 SO ₄ E	mg/L	45.8	200	400
16.	Sulphide	APHA 23rd Ed., 4500-S2- Page 4-181 to 183	mg/L	BDL(<0.01)	0.05	No Relaxation
17.	Nitrate as NO ₃	APHA 23rd Ed., 4500 NO ₃ B	mg/L	8.5	45	No Relaxation
18.	Free Ammonia	APHA 23rd Ed., 2017,4500-NH ₃ C Page 4-116	mg/L	BDL(<0.5)	0.5	No Relaxation
19.	Settleable Solid	APHA 23rd Ed., 2540F	ml/L	BDL(<5.0)	-	-
20.	Boron	IS:3025(Part-57)	mg/L	BDL(<0.1)	0.5	1.0
21.	Chloramines	IS:3025(Part-26)	mg/L	BDL(<0.01)	4.0	No Relaxation

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Page 1 of 2



TC - 5941





Report No. 20241111141/A

Report Issue Date: - 20.11.2024

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Ground water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 09.11.2024/12:15PM
6. Sample received on : 11.11.2024
7. Period of Analysis : 11.11.2024 to 20.11.2024
8. Name of Sample & Location : Bore well No. 7
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No.	Parameters	Test Method	Unit	Results	Limits :- IS-10500:2012	
					Acceptable	Permissible
Chemical Testing – Residues – Ground water						
22.	Total Chromium	APHA 23rd Ed.3111B	mg/L	BDL(<0.02)	0.05	No Relaxation
23.	Cadmium as Cd	APHA 23rd Ed.3111B	mg/L	BDL(<0.01)	0.003	No Relaxation
24.	Copper as Cu	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	0.05	1.5
25.	Zinc	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	5	15
26.	Iron as Fe	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	0.3	No Relaxation
27.	Aluminium	APHA 23rd Ed.3111D	mg/L	BDL(<0.5)	0.03	0.2
28.	Arsenic	APHA 23rd Ed.3114C	mg/L	BDL(<0.05)	-	-
29.	Selenium	APHA 23rd Ed.3111C	mg/L	BDL(<0.05)	0.01	No Relaxation
30.	Barium	APHA 23rd Ed.3111D	mg/L	BDL(<0.01)	0.7	No Relaxation
31.	Manganese as Mn	APHA 23rd Ed.3111B	mg/L	BDL(<0.01)	0.1	0.3

BDL-Below Detection Limit

Tested By

(Signature)
(Manali Vyas)
Chemist



Authorized Signatory

(Signature)
(Puran Singh)
Asst. Officer



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Page 2 of 2
End of Report



TC - 5941





Report No. 20241111141/B

Report Issue Date: - 20.11.2024

TEST REPORT

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(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Ground water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 09.11.2024/12:15PM
6. Sample received on : 11.11.2024
7. Period of Analysis : 11.11.2024 to 20.11.2024
8. Name of Sample & Location : Bore well No. 7
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	30.8
2.	Relative Humidity	%	28

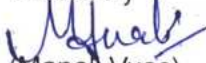
S. No	Parameters	Test Method	Unit	Results	Limits- IS:10500:2012	
					Acceptable	Permissible

Chemical Testing – Water – Ground Water

1.	Silver as Ag	Annex J of IS 13428	mg/L	BDL(<0.1)	0.1	No Relaxation
2.	Nickel as Ni	APHA 23 rd Ed., 3111B	mg/L	BDL(<0.01)	0.02	No Relaxation
3.	Phenolic Compounds as C ₆ H ₅ OH	IS:3025 (Part-43)	mg/L	BDL(<0.001)	0.001	0.002
4.	Anionic Detergent as MBAS	Annex K of IS 13428	mg/L	BDL(<0.1)	0.2	1.0

BDL-Below Detection Limit

Tested By


(Manali Vyas)
Chemist



Authorized Signatory


(Puran Singh)
Asst. Officer

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

CIN- U29299RJ1971PLC001379



OHSAS
Certificate No.
01130126322

Our Commitment.. Your Trust

Report No. 20241111142/A

Report Issue Date: - 20.11.2024

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Ground water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 09.11.2024/12:05PM
6. Sample received on : 11.11.2024
7. Period of Analysis : 11.11.2024 to 20.11.2024
8. Name of Sample & Location : Bore well No. 8
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	30.7
2.	Relative Humidity	%	25

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)	-	7.36	6.5 to 8.5	No Relaxation
2.	Conductivity (at 25°C)	IS:3025(Part-14)	µs/cm	739.2	-	-
3.	Color	IS:3025(Part-4)	Hazen	<5	5	15
4.	Odour	IS:3025(Part-5)	-	Agreeable	Agreeable	Agreeable
5.	Taste	IS:3025(Part-7)	-	Agreeable	Agreeable	Agreeable
6.	Turbidity	IS:3025(Part-10)	NTU	0.90	1	5
7.	Total Dissolve Solid	IS:3025(Part-16)	mg/L	472	500	2000
8.	Total Hardness as CaCO ₃	IS:3025(Part-21)	mg/L	300	200	600
9.	Calcium as Ca ²⁺	IS:3025(Part-40)	mg/L	89.6	75	200
10.	Magnesium as Mg ²⁺	IS:3025(Part-46)	mg/L	18.2	30	100
11.	Alkalinity	IS:3025(Part-23)	mg/L	176	200	600
12.	Chlorides as Cl ⁻	IS:3025(Part-32)	mg/L	45	250	1000
13.	Residual Chlorine	IS:3025(Part-26)	mg/L	BDL(<0.01)	0.2	1
14.	Fluoride as F ⁻	APHA 23rd Ed., 4500 FD	mg/L	0.68	1.0	1.5
15.	Sulphate as SO ₄	APHA 23rd Ed.4500 SO ₄ E	mg/L	60.8	200	400
16.	Sulphide	APHA 23rd Ed., 4500-S2- Page 4-181 to 183	mg/L	BDL(<0.01)	0.05	No Relaxation
17.	Nitrate as NO ₃	APHA 23rd Ed., 4500 NO ₃ B	mg/L	8.0	45	No Relaxation
18.	Free Ammonia	APHA 23rd Ed., 2017,4500-NH ₃ C Page 4-116	mg/L	BDL(<0.5)	0.5	No Relaxation
19.	Settleable Solid	APHA 23rd Ed., 2540F	ml/L	BDL(<5.0)	-	-
20.	Boron	IS:3025(Part-57)	mg/L	BDL(<0.1)	0.5	1.0
21.	Chloramines	IS:3025(Part-26)	mg/L	BDL(<0.01)	4.0	No Relaxation

Note

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Page 1 of 2



TC - 5941





Report No. 20241111142/A

Report Issue Date: - 20.11.2024

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Ground water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 09.11.2024/12:05PM
6. Sample received on : 11.11.2024
7. Period of Analysis : 11.11.2024 to 20.11.2024
8. Name of Sample & Location : Bore well No. 8
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No.	Parameters	Test Method	Unit	Results	Limits :- IS-10500:2012	
					Acceptable	Permissible
Chemical Testing – Residues – Ground water						
22.	Total Chromium	APHA 23rd Ed.3111B	mg/L	BDL(<0.02)	0.05	No Relaxation
23.	Cadmium as Cd	APHA 23rd Ed.3111B	mg/L	BDL(<0.01)	0.003	No Relaxation
24.	Copper as Cu	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	0.05	1.5
25.	Zinc	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	5	15
26.	Iron as Fe	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	0.3	No Relaxation
27.	Aluminium	APHA 23rd Ed.3111D	mg/L	BDL(<0.5)	0.03	0.2
28.	Arsenic	APHA 23rd Ed.3114C	mg/L	BDL(<0.05)	-	-
29.	Selenium	APHA 23rd Ed.3111C	mg/L	BDL(<0.05)	0.01	No Relaxation
30.	Barium	APHA 23rd Ed.3111D	mg/L	BDL(<0.01)	0.7	No Relaxation
31.	Manganese as Mn	APHA 23rd Ed.3111B	mg/L	BDL(<0.01)	0.1	0.3

BDL-Below Detection Limit

Tested By

(Manali Vyas)
Chemist



Authorized Signatory

(Puran Singh)
Asst. Officer

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Page 2 of 2
End of Report



TC - 5941





Report No. 20241111142/B

Report Issue Date: - 20.11.2024

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Ground water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 09.11.2024/12:05PM
6. Sample received on : 11.11.2024
7. Period of Analysis : 11.11.2024 to 20.11.2024
8. Name of Sample & Location : Bore well No. 8
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	30.7
2.	Relative Humidity	%	25

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

Chemical Testing – Water – Ground Water

1.	Silver as Ag	Annex J of IS 13428	mg/L	BDL(<0.1)	0.1	No Relaxation
2.	Nickel as Ni	APHA 23 rd Ed., 3111B	mg/L	BDL(<0.01)	0.02	No Relaxation
3.	Phenolic Compounds as C ₆ H ₅ OH	IS:3025 (Part-43)	mg/L	BDL(<0.001)	0.001	0.002
4.	Anionic Detergent as MBAS	Annex K of IS 13428	mg/L	BDL(<0.1)	0.2	1.0

BDL-Below Detection Limit

Tested By

(Manali Vyas)
Chemist

Authorized Signatory

(Puran Singh)
Asst. Officer

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

CIN- U29299RJ1971PLC001379



OHSAS
Certificate No.
01130126322

Our Commitment.. Your Trust

Report No. 20241111143/A

Report Issue Date: - 20.11.2024

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Ground water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 09.11.2024/12:25PM
6. Sample received on : 11.11.2024
7. Period of Analysis : 11.11.2024 to 20.11.2024
8. Name of Sample & Location : Bore well No. 9
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	30.8
2.	Relative Humidity	%	27

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)	-	7.33	6.5 to 8.5	No Relaxation
2.	Conductivity (at 25°C)	IS:3025(Part-14)	µs/cm	683.2	-	-
3.	Color	IS:3025(Part-4)	Hazen	<5	5	15
4.	Odour	IS:3025(Part-5)	-	Agreeable	Agreeable	Agreeable
5.	Taste	IS:3025(Part-7)	-	Agreeable	Agreeable	Agreeable
6.	Turbidity	IS:3025(Part-10)	NTU	0.80	1	5
7.	Total Dissolve Solid	IS:3025(Part-16)	mg/L	440	500	2000
8.	Total Hardness as CaCO ₃	IS:3025(Part-21)	mg/L	258	200	600
9.	Calcium as Ca ²⁺	IS:3025(Part-40)	mg/L	80.8	75	200
10.	Magnesium as Mg ²⁺	IS:3025(Part-46)	mg/L	13.4	30	100
11.	Alkalinity	IS:3025(Part-23)	mg/L	174	200	600
12.	Chlorides as Cl ⁻	IS:3025(Part-32)	mg/L	86	250	1000
13.	Residual Chlorine	IS:3025(Part-26)	mg/L	BDL(<0.01)	0.2	1
14.	Fluoride as F ⁻	APHA 23rd Ed., 4500 FD	mg/L	0.61	1.0	1.5
15.	Sulphate as SO ₄	APHA 23rd Ed.4500 SO ₄ E	mg/L	40.8	200	400
16.	Sulphide	APHA 23rd Ed., 4500-S2- Page 4-181 to 183	mg/L	BDL(<0.01)	0.05	No Relaxation
17.	Nitrate as NO ₃	APHA 23rd Ed., 4500 NO ₃ B	mg/L	9.5	45	No Relaxation
18.	Free Ammonia	APHA 23rd Ed., 2017,4500-NH ₃ C Page 4-116	mg/L	BDL(<0.5)	0.5	No Relaxation
19.	Settleable Solid	APHA 23rd Ed., 2540F	ml/L	BDL(<5.0)	-	-
20.	Boron	IS:3025(Part-57)	mg/L	BDL(<0.1)	0.5	1.0
21.	Chloramines	IS:3025(Part-26)	mg/L	BDL(<0.01)	4.0	No Relaxation

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Page 1 of 2



TC - 5941





Report No. 20241111143/A

Report Issue Date: - 20.11.2024

TEST REPORT

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(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Ground water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 09.11.2024/12:25PM
6. Sample received on : 11.11.2024
7. Period of Analysis : 11.11.2024 to 20.11.2024
8. Name of Sample & Location : Bore well No. 9
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No.	Parameters	Test Method	Unit	Results	Limits :- IS-10500:2012	
					Acceptable	Permissible
Chemical Testing – Residues – Ground water						
22.	Total Chromium	APHA 23rd Ed.3111B	mg/L	BDL(<0.02)	0.05	No Relaxation
23.	Cadmium as Cd	APHA 23rd Ed.3111B	mg/L	BDL(<0.01)	0.003	No Relaxation
24.	Copper as Cu	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	0.05	1.5
25.	Zinc	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	5	15
26.	Iron as Fe	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	0.3	No Relaxation
27.	Aluminium	APHA 23rd Ed.3111D	mg/L	BDL(<0.5)	0.03	0.2
28.	Arsenic	APHA 23rd Ed.3114C	mg/L	BDL(<0.05)	-	-
29.	Selenium	APHA 23rd Ed.3111C	mg/L	BDL(<0.05)	0.01	No Relaxation
30.	Barium	APHA 23rd Ed.3111D	mg/L	BDL(<0.01)	0.7	No Relaxation
31.	Manganese as Mn	APHA 23rd Ed.3111B	mg/L	BDL(<0.01)	0.1	0.3

BDL-Below Detection Limit

Tested By

(Manali Vyas)
Chemist



Authorized Signatory

(Puran Singh)
Asst. Officer



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Page 2 of 2
End of Report



TC - 5941





Report No. 20241111143/B

Report Issue Date: - 20.11.2024

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Ground water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 09.11.2024/12:25PM
6. Sample received on : 11.11.2024
7. Period of Analysis : 11.11.2024 to 20.11.2024
8. Name of Sample & Location : Bore well No. 9
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	30.8
2.	Relative Humidity	%	27

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

Chemical Testing – Water – Ground Water

1.	Silver as Ag	Annex J of IS 13428	mg/L	BDL(<0.1)	0.1	No Relaxation
2.	Nickel as Ni	APHA 23 rd Ed.,3111B	mg/L	BDL(<0.01)	0.02	No Relaxation
3.	Phenolic Compounds as C ₆ H ₅ OH	IS:3025 (Part-43)	mg/L	BDL(<0.001)	0.001	0.002
4.	Anionic Detergent as MBAS	Annex K of IS 13428	mg/L	BDL(<0.1)	0.2	1.0

BDL-Below Detection Limit

Tested By

(Manali Vyas)
Chemist

Authorized Signatory

(Puran Singh)
Asst. Officer

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Certificate No.
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Report No. 20241111144/A

Report Issue Date: - 20.11.2024

TEST REPORT

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(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Waste Water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 09.11.2024/12:30PM
6. Sample received on : 11.11.2024
7. Period of Analysis : 11.11.2024 to 20.11.2024
8. Name of Sample & Location : Filtration Plant-Treated water
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	30.7
2.	Relative Humidity	%	29

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)	-	7.61	6.5 to 8.5	No Relaxation
2.	Conductivity (at 25°C)	IS:3025(Part-14)	µs/cm	568	-	-
3.	Color	IS:3025(Part-4)	Hazen	<5	5	15
4.	Odour	IS:3025(Part-5)	-	Agreeable	Agreeable	Agreeable
5.	Taste	IS:3025(Part-7)	-	Agreeable	Agreeable	Agreeable
6.	Turbidity	IS:3025(Part-10)	NTU	0.50	1	5
7.	Total Dissolve Solid	IS:3025(Part-16)	mg/L	314	500	2000
8.	Total Hardness as CaCO ₃	IS:3025(Part-21)	mg/L	180	200	600
9.	Calcium as Ca ²⁺	IS:3025(Part-40)	mg/L	47.2	75	200
10.	Magnesium as Mg ²⁺	IS:3025(Part-46)	mg/L	14.9	30	100
11.	Alkalinity	IS:3025(Part-23)	mg/L	70	200	600
12.	Chlorides as Cl ⁻	IS:3025(Part-32)	mg/L	58	250	1000
13.	Residual Chlorine	IS:3025(Part-26)	mg/L	BDL(<0.01)	0.2	1
14.	Fluoride as F ⁻	APHA 23rd Ed., 4500 FD	mg/L	0.38	1.0	1.5
15.	Sulphate as SO ₄	APHA 23rd Ed.4500 SO ₄ E	mg/L	27.2	200	400
16.	Sulphide	APHA 23rd Ed., 4500-S2- Page 4-181 to 183	mg/L	BDL(<0.01)	0.05	No Relaxation
17.	Nitrate as NO ₃	APHA 23rd Ed., 4500 NO ₃ B	mg/L	6.6	45	No Relaxation
18.	Free Ammonia	APHA 23rd Ed., 2017,4500-NH ₃ C Page 4-116	mg/L	BDL(<0.5)	0.5	No Relaxation
19.	Settleable Solid	APHA 23rd Ed., 2540F	ml/L	BDL(<5.0)	-	-
20.	Boron	IS:3025(Part-57)	mg/L	BDL(<0.1)	0.5	1.0
21.	Chloramines	IS:3025(Part-26)	mg/L	BDL(<0.01)	4.0	No Relaxation

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TC - 5941





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TEST REPORT

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(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Waste Water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 09.11.2024/12:30PM
6. Sample received on : 11.11.2024
7. Period of Analysis : 11.11.2024 to 20.11.2024
8. Name of Sample & Location : Filtration Plant-Treated water
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No.	Parameters	Test Method	Unit	Results	Limits :- IS-10500:2012	
					Acceptable	Permissible
Chemical Testing – Residues – Potable water						
22.	Total Chromium	APHA 23rd Ed.3111B	mg/L	BDL(<0.02)	0.05	No Relaxation
23.	Cadmium as Cd	APHA 23rd Ed.3111B	mg/L	BDL(<0.01)	0.003	No Relaxation
24.	Copper as Cu	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	0.05	1.5
25.	Zinc	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	5	15
26.	Iron as Fe	APHA 23rd Ed.3111B	mg/L	BDL(<0.1)	0.3	No Relaxation
27.	Aluminium	APHA 23rd Ed.3111D	mg/L	BDL(<0.5)	0.03	0.2
28.	Arsenic	APHA 23rd Ed.3114C	mg/L	BDL(<0.05)	-	-
29.	Selenium	APHA 23rd Ed.3111C	mg/L	BDL(<0.05)	0.01	No Relaxation
30.	Barium	APHA 23rd Ed.3111D	mg/L	BDL(<0.01)	0.7	No Relaxation
31.	Manganese as Mn	APHA 23rd Ed.3111B	mg/L	BDL(<0.01)	0.1	0.3

BDL-Below Detection Limit

Tested By

(Manali Vyas)
Chemist



Authorized Signatory

(Puran Singh)
Asst. Officer

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TC - 5941





Report No. 20241111144/B

Report Issue Date: - 20.11.2024

TEST REPORT

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(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Waste Water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 09.11.2024/12:30PM
6. Sample received on : 11.11.2024
7. Period of Analysis : 11.11.2024 to 20.11.2024
8. Name of Sample & Location : Filtration Plant-Treated water
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	30.7
2.	Relative Humidity	%	29

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

Chemical Testing – Water – Ground Water

1.	Silver as Ag	Annex J of IS 13428	mg/L	BDL(<0.1)	0.1	No Relaxation
2.	Nickel as Ni	APHA 23 rd Ed., 3111B	mg/L	BDL(<0.01)	0.02	No Relaxation
3.	Phenolic Compounds as C ₆ H ₅ OH	IS:3025 (Part-43)	mg/L	BDL(<0.001)	0.001	0.002
4.	Anionic Detergent as MBAS	Annex K of IS 13428	mg/L	BDL(<0.1)	0.2	1.0

BDL-Below Detection Limit

Tested By

(Signature)
(Manah Vyas)
Chemist



Authorized Signatory

(Signature)
(Puran Singh)
Asst. Officer



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

CIN- U29299RJ1971PLC001379



OHSAS
Certificate No.
01130126322

Our Commitment.. Your Trust



Report Issue Date: - 14.11.2024

TEST REPORT

1. Name of Customer : Kailash Nagar Resenditil Township,
M/s J.K. Cement Works Nimbahera,
(Unit-Group Housing), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order No. : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Bore well water
4. Condition of sample : Sealed/Ok
5. Source/ Location : Mention in Table
6. Sampling done by : Environmental & Chemical Laboratory, Wolkem India Limited
7. Sample Received on : 11.11.2024
8. Period of Testing : 11.11.2024 to 13.11.2024
9. Environmental conditions : N/A
10. Sampling method : IS: 1622-1981

S. No.	Report No.	Location	Test Method	Results		Limit (IS 10500:2012)
				<i>E.coli</i> MPN /100ml	Total Coliforms MPN/100ml	
Biological Testing – Water- Bore well water						
1.	20241111166	Bore well No. 1	IS 15185:2016	Absent	Absent	Shall not be detectable/100ml
2.	20241111167	Bore well No. 2	IS 15185:2016	Absent	Absent	
3.	20241111168	Bore well No. 3	IS 15185:2016	Absent	Absent	
4.	20241111169	Bore well No. 4	IS 15185:2016	Absent	Absent	
5.	20241111170	Bore well No. 5	IS 15185:2016	Absent	Absent	
6.	20241111171	Bore well No. 6	IS 15185:2016	Absent	Absent	
7.	20241111172	Bore well No. 7	IS 15185:2016	Absent	Absent	
8.	20241111173	Bore well No. 8	IS 15185:2016	Absent	Absent	
9.	20241111174	Bore well No. 9	IS 15185:2016	Absent	Absent	
10.	20241111175	Bore well No. 10	IS 15185:2016	Absent	Absent	
11.	20241111176	Bore well No. 11	IS 15185:2016	Absent	Absent	

Authorized Signatory

Amresh Kumar
Amresh Kumar
Dy.GM [Technical]

Note:

1. Complaint Register is available in lab / Email ID amrish.malik@wolkem.com
2. The results listed refer only to the tested sample (s) and parameters (s) Endorsement of product is neither inferred nor implied.
3. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
4. The samples will be destroyed 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

Page 1 of 1
End of Report



TC - 5941





Report No. 20241111148

Report Issue Date: - 20.11.2024

TEST REPORT

1. Name of Customer : Kailash Nagar Resenditil Township,
M/s J.K. Cement Works Nimbahera,
(Unit-Group Housing), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Waste water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 08.11.2024/11:25AM
6. Sample received on : 11.11.2024
7. Period of Analysis : 11.11.2024 to 20.11.2024
8. Name of Sample & Location : STP-Kailash Nagar Colony water
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	29.5
2.	Relative Humidity	%	24

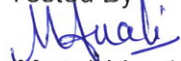
S. No.	Parameters	Test Method	Unit	Results	Limits as per Environment Protection rules, 1986
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Chemical Testing– Pollution and Environment - Waste Water


1.	pH (at 25°C)	IS:3025(Part-11)	-	7.68	5.5 – 9.0
2.	Total Suspended Solid	IS:3025(Part-17)	mg/L	36	-
3.	Oil & Grease	IS:3025(Part-39)	mg/L	2.8	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	106.1	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	182	-
8.	Sulphide	APHA 23rd Ed., 4500-S2- Page 4-181 to 183	mg/L	0.16	2.0
9.	Ammonical Nitrogen (as NH ₄ -N)	APHA 23rd Ed., 4500 NH ₃ -B	mg/L	5.6	50
10.	Total Kjeldahl Nitrogen (as TKN)	APHA 23rd Ed., 4500 NO ₃ -B	mg/L	10.9	100

BDL-Below Detection Limit

Tested By


 (Manali Vyas)
 Chemist


Authorized Signatory


 (Puran Singh)
 Asst. Officer
Note

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

Page 1 of 1

End of Report



TC - 5941





Report No. 20241111149

Report Issue Date: - 20.11.2024

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Waste water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 08.11.2024/11:40AM
6. Sample received on : 11.11.2024
7. Period of Analysis : 11.11.2024 to 20.11.2024
8. Name of Sample & Location : STP (35 KLD) water
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	29.4
2.	Relative Humidity	%	25

S. No.	Parameters	Test Method	Unit	Results	Limits as per Environment Protection rules, 1986
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Chemical Testing– Pollution and Environment - Waste Water

1.	pH (at 25°C)	IS:3025(Part-11)	-	7.77	5.5 – 9.0
2.	Total Suspended Solid	IS:3025(Part-17)	mg/L	32	-
3.	Oil & Grease	IS:3025(Part-39)	mg/L	3.6	10
4.	B.O.D. 3 days @27°C	IS:3025(Part-44)	mg/L	18.0	30
5.	Chemical Oxygen Demand	IS:3025 (Part-58)	mg/L	114.2	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	174	-
8.	Sulphide	APHA 23rd Ed., 4500-S2- Page 4-181 to 183	mg/L	0.12	2
9.	Ammonical Nitrogen (as NH ₄ -N)	APHA 23rd Ed., 4500 NH ₃ -B	mg/L	4.2	50
10.	Total Kjeldahl Nitrogen (as TKN)	APHA 23rd Ed., 4500 NO ₃ -B	mg/L	9.6	100

BDL-Below Detection Limit

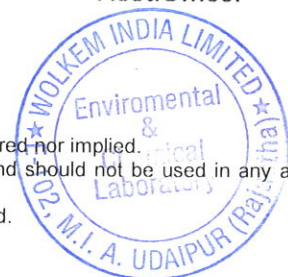
Tested By

(Signature)
(Manali Vyas)
Chemist



Authorized Signatory

(Signature)
(Puran Singh)
Asst. Officer



Note

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Page 1 of 1
End of Report



TC - 5941





Report No. 20241111151

Report Issue Date: - 20.11.2024

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Sample Identification : Waste water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 08.11.2024/12:15PM
6. Sample received on : 11.11.2024
7. Period of Analysis : 11.11.2024 to 20.11.2024
8. Name of Sample & Location : STP (55 KLD) water
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	29.8
2.	Relative Humidity	%	25

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)	-	7.71	5.5 – 9.0
2.	Total Suspended Solid	IS:3025(Part-17)	mg/L	34	-
3.	Oil & Grease	IS:3025(Part-39)	mg/L	2.8	100
4.	B.O.D. 3 days @27°C	IS:3025(Part-44)	mg/L	17.4	30
5.	Chemical Oxygen Demand	IS:3025 (Part-58)	mg/L	89.7	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	200	-
8.	Sulphide	APHA 23rd Ed., 4500-S2- Page 4-181 to 183	mg/L	0.13	2
9.	Ammonical Nitrogen (as NH4-N)	APHA 23rd Ed., 4500 NH3-B	mg/L	3.6	50
10.	Total Kjeldahl Nitrogen (as TKN)	APHA 23rd Ed., 4500 NO3-B	mg/L	9.5	10

BDL-Below Detection Limit

Tested By

(Signature)
(Manali Vyas)
Chemist

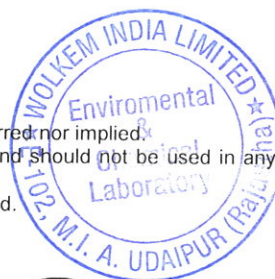


Authorized Signatory

(Signature)
(Puran Singh)
Asst. Officer

Note

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Page 1 of 1
End of Report

TC - 5941



Report No. 20241224063

Report Issue Date: - 30.12.2024

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. Purchase order Number : Email Dated:- 25.12.2024
3. Sample Identification : Waste water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 24.12.2024/10:05AM
6. Sample received on : 24.12.2024
7. Period of Analysis : 24.12.2024 to 30.12.2024
8. Name of Sample & Location : STP Treated water (500 KLD)
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	18.9
2.	Relative Humidity	%	46

S. No.	Parameters	Test Method	Unit	Results	Limits As per Consent
Chemical Testing– Pollution and Environment - Waste Water					
1.	pH (at 25°C)	IS:3025(Part-11)	-	7.65	5.5 – 9.0
2.	Total Suspended Solid	IS:3025(Part-17)	mg/L	64	100
3.	Oil & Grease	IS:3025(Part-39)	mg/L	3.4	10
4.	B.O.D. 3 days @27°C	IS:3025(Part-44)	mg/L	27.6	30
5.	Chemical Oxygen Demand	IS:3025 (Part-58)	mg/L	161.9	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	202	-
8.	Sulphide	APHA 23rd Ed., 4500-S2- Page 4-181 to 183	mg/L	0.18	2.0
9.	Ammonical Nitrogen (as NH ₄ -N)	APHA 23 rd Ed., 4500 NH ₃ -B	mg/L	4.8	50
10.	Total Kjeldahl Nitrogen (as TKN)	APHA 23 rd Ed., 4500 NO ₃ -B	mg/L	9.8	10

BDL-Below Detection Limit

Tested By

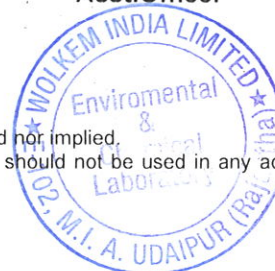
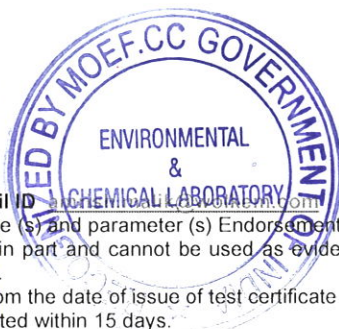
(Signature)
(Manali Vyas)
Chemist

Authorized Signatory

(Signature)
(Puran Singh)
Asst. Officer

Note

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Page 1 of 1
End of Report



TC - 5941



Report No. 20241224028

Report Issue Date: - 30.12.2024

TEST REPORT

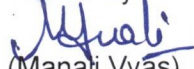
1. Name of Customer : M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. Purchase order Number : Email Dated:- 25.12.2024
3. Sample Identification : Waste water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 24.12.2024/11:30AM
6. Sample received on : 24.12.2024
7. Period of Analysis : 24.12.2024 to 30.12.2024
8. Name of Sample & Location : STP Treated water (35 KLD)
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	18.8
2.	Relative Humidity	%	45

S. No.	Parameters	Test Method	Unit	Results	Limits As per Consent
Chemical Testing– Pollution and Environment - Waste Water					
1.	pH (at 25°C)	IS:3025(Part-11)	-	7.36	5.5 – 9.0
2.	Total Suspended Solid	IS:3025(Part-17)	mg/L	40	100
3.	Oil & Grease	IS:3025(Part-39)	mg/L	2.8	10
4.	B.O.D. 3 days @27°C	IS:3025(Part-44)	mg/L	20.4	30
5.	Chemical Oxygen Demand	IS:3025 (Part-58)	mg/L	117.6	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	168	-
8.	Sulphide	APHA 23rd Ed., 4500-S2- Page 4-181 to 183	mg/L	0.12	2.0
9.	Ammonical Nitrogen (as NH ₄ -N)	APHA 23 rd Ed., 4500 NH ₃ -B	mg/L	4.2	50
10.	Total Kjeldahl Nitrogen (as TKN)	APHA 23 rd Ed., 4500 NO ₃ -B	mg/L	7.8	10

BDL-Below Detection Limit

Tested By

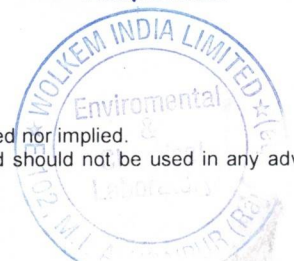
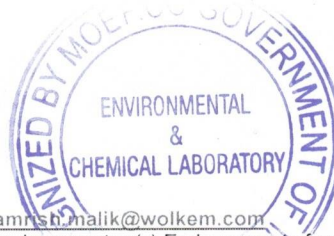

(Manali Vyas)
Chemist

Authorized Signatory


(Puran Singh)
Asst. Officer

Note

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



TC - 5941



Report No. 20241224027

Report Issue Date: - 30.12.2024

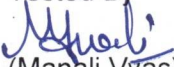
TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
Email Dated:- 25.12.2024
2. Purchase order Number : Waste water
3. Sample Identification : Sealed/Ok
4. Condition of Sample : 24.12.2024/11:05AM
5. Date & Time of Sampling : 24.12.2024
6. Sample received on : 24.12.2024 to 30.12.2024
7. Period of Analysis : STP Treated water (55 KLD)
8. Name of Sample & Location : IS:3025 (Pt 1) 1987
9. Method of Sampling :

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	18.6
2.	Relative Humidity	%	47

S. No.	Parameters	Test Method	Unit	Results	Limits As per Consent
Chemical Testing– Pollution and Environment - Waste Water					
1.	pH (at 25°C)	IS:3025(Part-11)	-	7.95	5.5 – 9.0
2.	Total Suspended Solid	IS:3025(Part-17)	mg/L	52	100
3.	Oil & Grease	IS:3025(Part-39)	mg/L	3.2	10
4.	B.O.D. 3 days @27°C	IS:3025(Part-44)	mg/L	24.6	30
5.	Chemical Oxygen Demand	IS:3025 (Part-58)	mg/L	148.9	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	180	-
8.	Sulphide	APHA 23rd Ed., 4500-S2- Page 4-181 to 183	mg/L	0.14	2.0
9.	Ammonical Nitrogen (as NH ₄ -N)	APHA 23 rd Ed., 4500 NH ₃ -B	mg/L	4.2	50
10.	Total Kjeldahl Nitrogen (as TKN)	APHA 23 rd Ed., 4500 NO ₃ -B	mg/L	8.6	10

BDL-Below Detection Limit

Tested By

(Manali Vyas)
Chemist

Authorized Signatory

(Puran Singh)
Asst. Officer

Note

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Page 1 of 1
End of Report



TC - 5941



Report No. 20250123004

Report Issue Date: - 28.01.2025

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. Purchase order Number : 4600008975 Dated:- 11.01.2025
3. Sample Identification : Waste water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 23.01.2025/12:25PM
6. Sample received on : 23.01.2025
7. Period of Analysis : 23.01.2025 to 27.01.2025
8. Name of Sample & Location : STP Treated water (500 KLD)
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	22.5
2.	Relative Humidity	%	34

S. No.	Parameters	Test Method	Unit	Results	Limits As per Consent
Chemical Testing– Pollution and Environment - Waste Water					
1.	pH (at 25°C)	IS:3025(Part-11)	-	7.74	5.5 – 9.0
2.	Total Suspended Solid	IS:3025(Part-17)	mg/L	70	100
3.	Oil & Grease	IS:3025(Part-39)	mg/L	3.2	10
4.	B.O.D. 3 days @27°C	IS:3025(Part-44)	mg/L	28.8	30
5.	Chemical Oxygen Demand	IS:3025 (Part-58)	mg/L	171.3	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	214	-
8.	Sulphide	APHA 23rd Ed., 4500-S2- Page 4-181 to 183	mg/L	0.18	2.0
9.	Ammonical Nitrogen (as NH ₄ -N)	APHA 23 rd Ed., 4500 NH ₃ -B	mg/L	5.1	50
10.	Total Kjeldahl Nitrogen (as TKN)	APHA 23 rd Ed., 4500 NO ₃ -B	mg/L	9.5	10

BDL-Below Detection Limit

Tested By

(Signature)
(Manali Vyas)
Chemist



Authorized Signatory

(Signature)
(Puran Singh)
Asst. Officer



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Page 1 of 1
End of Report



TC - 5941



Report No.20250214020

ULR No. TC594125000000584F

Report Issue Date: 24.02.2025



TEST REPORT

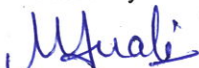
1. Name of Customer : M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. Purchase order Number : 4600008975 Dated:- 11.01.2025
3. Sample Identification : Waste water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 14.02.2025/04:15PM
6. Sample received on : 14.02.2025
7. Period of Analysis : 14.02.2025 to 24.02.2025
8. Name of Sample & Location : STP Treated water (500 KLD)
9. Method of Sampling : IS:17614 (Pt 1) 2021

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	24.8
2.	Relative Humidity	%	41

S. No.	Parameters	Test Method	Unit	Results	Limits As per Consent
Chemical– Pollution and Environment - Waste Water					
1.	pH (at 25°C)	IS:3025 (Part-11)	-	7.67	5.5 – 9.0
2.	Total Suspended Solid	IS:3025 (Part-17)	mg/L	66	100
3.	Oil & Grease	IS:3025 (Part-39)	mg/L	2.8	10
4.	B.O.D. 3 days @27°C	IS:3025 (Part-44)	mg/L	27.6	30
5.	Chemical Oxygen Demand	IS:3025 (Part-58)	mg/L	170	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	220	-
8.	Sulphide	APHA 24 th Ed., 4500-S2	mg/L	0.16	2.0
9.	Ammonical Nitrogen (as NH ₃ -N)	APHA 24 th Ed., 4500 NH ₃ -B & C	mg/L	6.2	50
10.	Total Kjeldahl Nitrogen (as TKN)	APHA 24 th Ed., 4500 NOrg	mg/L	9.1	10

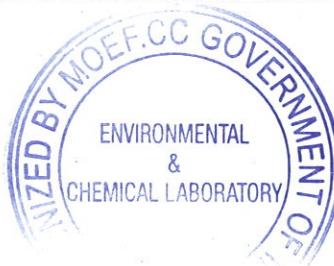
BDL-Below Detection Limit

Tested By


(Manali Vyas)
Chemist

Authorized Signatory


(Puran Singh)
Asst. Officer



Note

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Page 1 of 1

End of Report



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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



Report No.20250307052

ULR No. TC594125000000987F

Report Issue Date: 13.03.2025

TEST REPORT



TC - 5941

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. Purchase order Number : 4600008975 Dated: - 11.01.2025
3. Sample Identification : Waste water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 07.03.2025/02:15PM
6. Sample received on : 07.03.2025
7. Period of Analysis : 07.03.2025 to 12.03.2025
8. Name of Sample & Location : STP Treated water (500 KLD)
9. Method of Sampling : IS:17614 (Pt 1) 2021

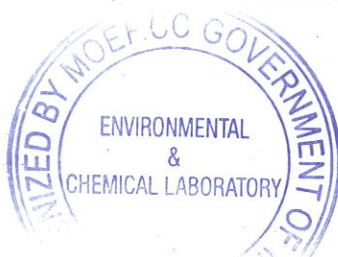
S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	28.1
2.	Relative Humidity	%	26

S. No.	Parameters	Test Method	Unit	Results	Limits As per Consent
Chemical- Pollution and Environment - Waste Water					
1.	pH (at 25°C)	IS:3025 (Part-11)	-	7.70	5.5 – 9.0
2.	Total Suspended Solid	IS:3025 (Part-17)	mg/L	70	100
3.	Oil & Grease	IS:3025 (Part-39)	mg/L	2.4	10
4.	B.O.D. 3 days @27°C	IS:3025 (Part-44)	mg/L	27	30
5.	Chemical Oxygen Demand	IS:3025 (Part-58)	mg/L	180.2	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	225	-
8.	Sulphide	APHA 24 th Ed., 4500-S2	mg/L	0.15	2.0
9.	Ammonical Nitrogen (as NH ₃ -N)	APHA 24 th Ed., 4500 NH ₃ -B & C	mg/L	6.5	50
10.	Total Kjeldahl Nitrogen (as TKN)	APHA 24 th Ed., 4500 NO ₃ -N	mg/L	9.4	10

BDL-Below Detection Limit

Tested By

Manali Vyas
(Manali Vyas)
Chemist



Authorized Signatory

Puran Singh
(Puran Singh)
Asst. Officer



Note

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Page 1 of 1
End of Report



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

CIN- U29299RJ1971PLC001379



Report No.20250307050

ULR No. TC594125000000985F

Report Issue Date: 13.03.2025



TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated: - 21.05.2024
3. Sample Identification : Waste water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 07.03.2025/01:50PM
6. Sample received on : 07.03.2025
7. Period of Analysis : 07.03.2025 to 12.03.2025
8. Name of Sample & Location : STP (35 KLD) water
9. Method of Sampling : IS:3025 (Pt 1) 1987

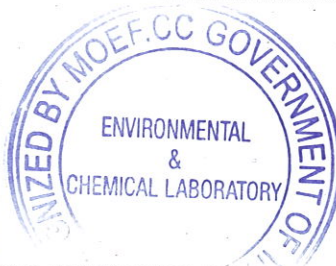
S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	28.4
2.	Relative Humidity	%	26

S. No.	Parameters	Test Method	Unit	Results	Limits As per Consent
Chemical– Pollution and Environment - Waste Water					
1.	pH (at 25°C)	IS:3025(Part-11)	-	7.85	5.5 – 9.0
2.	Total Suspended Solid	IS:3025(Part-17)	mg/L	38	100
3.	Oil & Grease	IS:3025(Part-39)	mg/L	3.2	10
4.	B.O.D. 3 days @27°C	IS:3025(Part-44)	mg/L	19.8	30
5.	Chemical Oxygen Demand	IS:3025 (Part-58)	mg/L	106.4	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	182	-
8.	Sulphide	APHA 24 th Ed., 4500-S2	mg/L	0.13	2.0
9.	Ammonical Nitrogen (as NH4-N)	APHA 24 th Ed., 4500 NH3- B & C	mg/L	5.4	50
10.	Total Kjeldahl Nitrogen (as TKN)	APHA 24 th Ed., 4500 NOrg	mg/L	9.8	10

BDL-Below Detection Limit

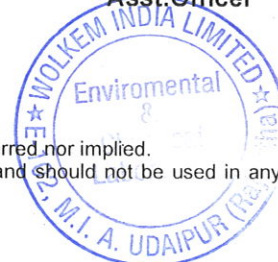
Tested By

(Signature)
(Manali Vyas)
Chemist



Authorized Signatory

(Signature)
(Puran Singh)
Asst. Officer



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Page 1 of 1
End of Report



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CIN- U29299RJ1971PLC001379



Report No.20250307051

ULR No. TC594125000000986F

Report Issue Date: 13.03.2025



TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
Tehsil - Nimbahera, District – Chittorgarh,
State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated: - 21.05.2024
3. Sample Identification : Waste water
4. Condition of Sample : Sealed/Ok
5. Date & Time of Sampling : 07.03.2025/01:15PM
6. Sample received on : 07.03.2025
7. Period of Analysis : 07.03.2025 to 12.03.2025
8. Name of Sample & Location : STP (55 KLD) water
9. Method of Sampling : IS:3025 (Pt 1) 1987

S. No	Environment Condition	Unit	Results
1.	Ambient Temperature	°C	28.6
2.	Relative Humidity	%	26

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)	-	7.78	5.5 – 9.0
2.	Total Suspended Solid	IS:3025(Part-17)	mg/L	40	100
3.	Oil & Grease	IS:3025(Part-39)	mg/L	2.4	10
4.	B.O.D. 3 days @27°C	IS:3025(Part-44)	mg/L	18.6	30
5.	Chemical Oxygen Demand	IS:3025 (Part-58)	mg/L	98.3	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	218	-
8.	Sulphide	APHA 24 th Ed., 4500-S2	mg/L	0.13	2.0
9.	Ammonical Nitrogen (as NH ₄ -N)	APHA 24 th Ed., 4500 NH ₃ -B & C	mg/L	4.2	50
10.	Total Kjeldahl Nitrogen (as TKN)	APHA 24 th Ed., 4500 NOrg	mg/L	9.7	10

BDL-Below Detection Limit

Tested By

(Signature)
(Manali Vyās)
Chemist



Authorized Signatory

(Signature)
(Puran Singh)
Asst. Officer

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J.K. Cement WORKS, Nimbahera (RAJ)**Noise Monitoring Report****(All Values in dB)**

Month	HALF YEARLY REPORT (October' 2024 to March' 2025) FY 2024-25							
	Main Security Gate		Thermal Power Plant		Near Cricket Ground		Mine Gate	
	Day	Night	Day	Night	Day	Night	Day	Night
Oct-24	63.2	50.3	65.8	48.2	55.5	46.7	64.6	53.1
Nov-24	62.4	50.6	65.9	50.2	55.7	48.1	64.1	53.7
Dec-24	67.4	56.7	66.1	52.7	61.2	53.4	62.7	51.2
Jan-25	66.7	51.3	63.5	53.8	62.1	52.4	64.9	55.2
Feb-25	65.4	52.4	64.8	54.3	63.8	51.5	63	54
Mar-25	65.7	53.9	66.3	55.2	64.8	53.2	65.1	52.7
Average	65.1	52.5	65.4	52.4	60.5	50.9	64.1	53.3



Report Issue Date: 06.01.2025

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated:- 21.05.2024
3. Date of Monitoring : 24.12.2024 to 25.12.2024
4. Sample Identification : Noise Monitoring
5. Condition of Sample : NA
6. Sample Received On : 27.12.2024
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 Main Security Gate	20241227011	68.5	59.3	55.8	50.2
2.	Near Thermal Power Plant	20241227012	69.3	58.7	56.5	51.4
3.	Near Cricket Ground Colony	20241227013	65.8	56.5	53.1	45.6
4.	Near Mine Gate	20241227014	66.4	57.6	54.3	44.2

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

(Amresh Kumar)
Dy.GM (Technical)



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ULR No.TC59412500000949F-952

Report Issue Date: 11.03.2025

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Nimbahera,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600001761 Dated: - 21.05.2024
3. Date of Monitoring : 07.03.2025
4. Sample Identification : Noise Monitoring
5. Condition of Sample : NA
6. Sample Received On : NA
7. Period of Analysis : NA
8. Test Methods Reference : IS: 9989– 1981 (Reaffirmed 2014)



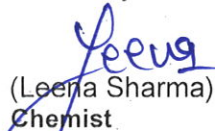
Noise Level Monitoring Results

S. No	Station Point	Report No.	Sound pressure Level dB Day Time		Sound pressure Level dB Night Time	
			Maximum	Minimum	Maximum	Minimum
1.	Near Main Security Gate	20250307014	67.9	58.8	54.2	51.1
2.	Near Thermal Power Plant	20250307015	68.6	57.6	55.5	50.8
3.	Near Cricket Ground Colony	20250307016	64.7	55.8	52.4	44.9
4.	Near Mine Gate	20250307017	65.8	56.7	53.6	43.8

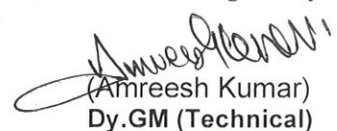
CPCB Norms

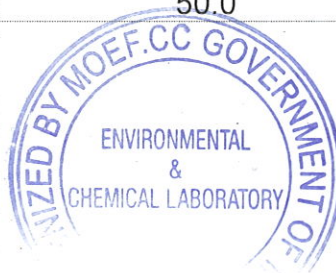
S. No	Category of area	Day time dB 6.00 AM to 10.00PM	Night Time dB 10.00PM to 6.00am
1.	Industrial area	75.0	70.0
2.	Commercial area	65.0	55.0
3.	Residential area	55.0	45.0
4.	Silence area	50.0	40.0

Tested By


(Leena Sharma)
Chemist

Authorized Signatory


(Amreesh Kumar)
Dy.GM (Technical)



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जे. के. सीमेन्ट , निम्बाहेड़ा

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

क्या उपयोग नहीं करना है ?

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



सजावट के लिये प्लास्टिक व थर्माकोल (पॉलिस्टीरिन)



मिठाईयों के डिब्बे, निमंत्रण पत्रिका व सिगरेट के पैकेट और उनके कवर



प्लास्टिक की छड़ों के साथ कानकोरनी, गुब्बारों के लिए प्लास्टिक के झंडे, कैड़ी के छड़े, आईस्क्रीम छड़े



प्लेट्स, कप, ग्लासेस, कटलरी जैसे कि चम्मच, चाकू पिने के लिए स्ट्रॉ, ट्रे, घुलानी (स्टिर्स)



100 माइक्रोन से पतले पीवीसी बेनर्स इन पर प्रतिबंध है।



कंपोस्टेबल प्लास्टिक (कचरा और नर्सरी की थैलियों छोड़कर)



सभी प्रकार के प्लास्टिक की थैलियाँ (कैरी बैग्स, नॉन वुवन बैग्स के साथ) हैण्डल वाली और बिना हैण्डल वाली



वर्तन, कटोरी और डिब्बे



J. K. Cement Works, Nimbahera

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



बाजार जाते
समय
जूट या कपड़े
का बैग
लेकर जाएँ।

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



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



Awareness on Ban of Single Use Plastic conducted at Nimbahera Town



Awareness on Ban of SUP conducted at Nimbahera Town



Awareness on Ban of SUP Audio Clip Played in Loud Speaker



Awareness on Ban of SUP conducted at Sahabad Village



Awareness on Ban of SUP conducted at Arniya Paliwal Village



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



**Awareness on Ban of SUP conducted at Mangrol
Village**



Awareness on Ban of SUP conducted at Mangrol Village



Awareness on Ban of SUP conducted at Tilakhera Village



Awareness on Ban of SUP conducted at Badoli Madhopur Village



Awareness on Ban of SUP conducted at Arniya Joshi Village



Awareness on Ban of SUP conducted at Maliakheri Village



Awareness on Ban of SUP conducted at Rasulpura



Awareness on Ban of SUP conducted at Charlia Gadiya Village

