

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

Date: 19.05.2025

To,

The Integrated Regional Office (IRO),

Ministry of Environment, Forest and Climate Change (MoEFCC)

A-209&218, 'Aranya Bhawan

Mahatma Gandhi Road

Jhalana Institutional Area, Jaipur (Raj.) - 304002

Sub: Submission of Six- monthly Environment Clearance Compliance report for Expansion of Clinker and Cement production, captive power plant and WHRS of M/s J.K. Cement Works, Village- Mangrol, Tehsil- Nimbahera District – Chittorgarh (Raj.)

Ref.: EC Letter no.- J-11011/267/2013-IA. II(I) dated 8th September 2016 & amendment dt.08.03.2019

Dear Sir,

Please be Informed that with reference to the above subject, we J.K.Cement works, Mnagrol located at Village Mangrol, Tehsil Nimbahera, District Chittorgarh, State Rajasthan here with submit the Six-Monthly environmental clearance condition wise compliance report for our Mangrol Plant Capacity “Clinker (2.90 MMTPA to 5.6 MMTPA) and Cement (3.54 MMTPA to 7.05 MMTPA) Capative Power Plant from 25 MW to 60 MW, and WHRB from 10 MW to 36 MW)” for the period of **October 2024-March 2025** to your good office.

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

This is for your information and records purpose.

Thanking you.

Your faithfully**For J.K. Cement Works, Mangrol**
Manish Toshniwal**Unit Head (Operations)**

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

Copy to:

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

Corporate Office

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

0124-6919000

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www.jkcement.com

**JK SUPER
CEMENT**
BUILD SAFE

Manufacturing Units at :

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

Form for Uploading Six Monthly Compliance Report
Proposal Details

Proposal No.	IA/RJ/IND/20196/2013	Project Name	Expansion of existing Clinker and Cement Manufacturing Capacity of M/s. J.K. Cement Works (2.90 MMTPA to 5.65 MMTPA of Clinker Production and 3.45 MMTPA to 7.05 MMTPA of Cement Production), Captive Power Plant from 25 to 60 MW by installation of an additional Coal Based Captive Power Plant of 35 MW and WHRB from 10 to 20 MW by installing an additional Waste Heat Recovery Boiler of 10 MW, at Village - Mangrol, Tehsil-Nimbahera, District - Chittorgarh, Rajasthan, and Integrated Cement Plant (Clinker 5.65 MTPA; Cement 7.05 MTPA; CPP 60 MW - Coal Based 35 MW and WHRB 20 MW) located at Village - Mangrol, Tehsil - Nimbahera, District - Chittorgarh, Rajasthan by M/s. J.K. Cement Works - Amendment in Environmental Clearance for Expansion of WHRB from 20 MW to 30 MW under the clause 7(ii) of EIA Notification, 2006.
Category	A	MoEF File No.	J-11011/267/2013-IA. II (I) dated. 08.09.2016 & Amendment dated 08.03.2019
Name of the Entity /Corporate Office*		M/s. J.K. Cement Works, Nimbahera, Kailash Nagar, District Chittorgarh-31261, Rajasthan	
Entity's PAN*		AABCJ0355R	
Entity Name as per PAN	J K CEMENT LIMITED.		
Compliance Letter/Report			
Reporting Year*	2025	Reporting Period*	OCTOBER 2024 to MARCH 2025
Remarks (if any)	Submitting herewith the Six Monthly EC Compliance Report for the period: OCTOBER 2024 to MARCH 2025 of Integrated Cement Plant (Clinker 5.65 MATA; Cement 7.05 MTPA; CPP 60 MW - Coal Based 35 MW and WHRB 20 MW) located at Village - Mangrol, Tehsil - Nimbahera, District - Chittorgarh, Rajasthan by M/s. J.K. Cement Works - Amendment in Environmental Clearance for Expansion of WHRB from 20 MW to 30 MW under the clause 7(ii) of EIA Notification, 2006.		

Details of Production and Project Area					
Date of Commencement of Project /Activity: *		Line-1: 12.07.2004. Line-2: 04.07.2014 Line-3: 29.09.2019	Project Area as Per EC Granted (In Case of Mine Lease): *	149.42 ha.	
Actual Project Area (In Case of Mine Lease): *		149.42 ha.			
PRODUCTION CAPACITY					
Name of the Product*	Units*	As per EC granted*	Production during last financial year*: 2024-25		
Clinker Production	Million Tons Per Annum	5.65	4.935		
Cement Production	Million Tons Per Annum	7.05	2.67676		
CPP (Electricity Generation)	MW/Hr.	60	17.184 MW		
WHRB (Electricity Generation)	MW/Hr.	30	21.943 MW		
ENVIRONMENT CLEARANCE COMPLIANCE REPORT OF J. K. CEMENT WORKS, MANGROL (RAJASTHAN) (Period: OCTOBER 2024 TO MARCH 2025)					
Expansion of existing Clinker and Cement Manufacturing Capacity of M/s. J.K. Cement Works (2.90 MMTPA to 5.65 MMTPA of Clinker Production and 3.45 MMTPA to 7.05 MMTPA of Cement Production), Captive Power Plant from 25 to 60 MW by installation of an additional Coal Based Captive Power Plant of 35 MW and WHRB from 10 to 20 MW by installing an additional Waste Heat Recovery Boiler of 10 MW, at Village - Mangrol, Tehsil-Nimbahera, District - Chittorgarh, Rajasthan. EC Amendment: - Integrated Cement Plant (Clinker 5.65 MTPA; Cement 7.05 MTPA; CPP 60 MW - Coal Based 35 MW and WHRB 20 MW) located at Village - Mangrol, Tehsil - Nimbahera, District - Chittorgarh, Rajasthan by M/s. J.K. Cement Works - Amendment in Environmental Clearance for Expansion of WHRB from 20 MW to 30 MW under the clause 7(ii) of EIA Notification, 2006.					
EC Letter No.: J-11011/267/2013-IA. II (I) dated. 08.09.2016 and Amendment dated 08.03.2019					
S. No	Condition Type	Environmental Parameter	Description of Condition	Self-Declaration	Remarks/Reason
1	Specific Condition	Air Quality Monitoring & Preservation	The project proponent should install 24x7 air monitoring devices to monitor air emission, as provided by the CPCB and submit report to Ministry and its Regional Office.	Complied	Four Number Continuous Air Quality Monitoring Stations (CAAQMS) have been installed around the facility to monitor air quality. Real-time data is sent to the CPCB/SPCB portal.

2	Specific Condition	Air Quality Monitoring & Preservation	The Standard issued by the Ministry vide G.S.R. No. 612 (E) dated 25th August 2014 and subsequent amendment dated 9th May 2016 and 10th May 2016 regarding cement plant with respect to Particulate Matter, SO ₂ and NO _x shall be followed.	Complied	The facility had Bag filters/Bag House/ESP installed in all respective process stacks to control PM emissions. An SNCR system was installed to control NO _x emissions. Detail stack emission monitoring and co-processing emission monitoring results is enclosed as Annexure-1.
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SNCR Shed



SNCR SYSTEM

3	Specific Condition	Air Quality Monitoring & Preservation	Continuous stack monitoring facilities to monitor gaseous emissions from process stacks shall be provided. After expansion, limit of PM shall be	Complied	An OCEMS was installed to monitor PM, SO ₂ and NO _x in the process stack. BF systems for RM sections, CL
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			controlled to meet prescribed standards by installing adequate air pollution control viz. Electrostatic precipitators to clinker cooler, bag house to raw mill/kiln and bag filter to coal mill and cement mill. Low NO _x burner shall be provided to control NO _x emissions. Regular calibration of the instruments must be ensured.		and CMS, RABH coolers & kiln. ESP for coolers & boilers for PM emissions. SNCR for NO _x emissions. Calibration of the CEMS instruments being done on quarterly basis.
4	Specific Condition	Energy Preservation Measures	Efforts shall be made to achieve power consumption of 70 units/ton for Portland Pozzolona Cement (PPC) and 95 units/tons for Ordinary Portland Cement (OPC) production and thermal energy consumption of 670 Kcal/Kg of clinker.	Complied	The use of VFD and highefficiency motor greatly reduces power consumption and so power consumption of 70 units/ton for Portland Pozzolona Cement (PPC) and 95 units/tons for Ordinary Portland Cement (OPC) production and thermal energy consumption of 670 Kcal/Kg of clinker is followed.
5	Specific Condition	Air Quality Monitoring & Preservation	The National Air Quality Standards issued by the Ministry vide G.S.R. No. 826 (E) dated 16th November 2009 shall be followed.	Complied	Four CAAQMS are installed in the facility and the data is uploaded to CPCB/SPCB portal. Manual air quality monitoring was also performed, and the results were well within the prescribed standards. Detail Ambient Air Quality Monitoring results (Manual) for the period OCTOBER 2024 TO MARCH 2025 is enclosed as Annexure-2.
6	Specific Condition	Air Quality Monitoring & Preservation	AAQ Modelling shall be carried out based on the specific mitigative measures taken in the existing project and proposed for the expansion project to keep the emissions well below prescribed standards.	Complied	AAQ modelling was performed as part of the expansion project's EIA report and was based on specific mitigation actions taken to keep emissions within prescribed standards.
7	Specific Condition	Air Quality Monitoring & Preservation	Secondary fugitive emissions shall be controlled and shall be within the prescribed limits and regularly monitored. Guidelines/Code of Practice issued by the CPCB in this regard shall be followed.	Complied	Bag filters installed at all material transfer points, enclosures for all hoppers, irrigation systems for material handling areas, covered sheds, intermediate and finished product storage silos. Fugitive emission monitoring report is enclosed as Annexure-3



Bag filters installed at material transfer point



Raw material covered belt conveyor



Raw mill storage in CF silo



Clinker Storage Silo

8	Specific Condition	Air Quality Monitoring & Preservation	A statement on carbon budgeting including the quantum of equivalent CO2 being emitted by the existing plant operations, the amount of carbon sequestered annually by the existing green belt and the proposed green belt and the quantum of equivalent CO2 that will be emitted due to the proposed expansion shall be prepared by the project proponent and submitted to the Ministry and the Regional Office of the Ministry. This shall be prepared within a period of 6 Months and subsequently it should be prepared every year.	Complied	5.6 MW solar power plant at Plant & Colony. PPC manufacturing to lessen mineral consumption. A 29.1 MW Waste Heat Recovery Based Power Plant was installed to efficiently utilize the hot gas from the cement plant and can save the mineral conservation.
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9	Specific Condition	Human Health Environment	For the employees working in high temperature zones falling in the plant operation areas, the total shift duration would be 4 hrs. or less per day where the temperature is more than 50°C. Moreover, the jobs of these employees will be alternated in such a way that no employee is subjected to working in high temperature area for more than 1 hr. continuously. Such employees would be invariably provided with proper protective equipment's, garments, and gears such as head gear, clothing, gloves eye protection etc. There should also be an arrangement for sufficient drinking water at site to prevent dehydration etc.	Noted for Compliance	During Shut downtime, plant equipment cools down before work begins. At high temperatures, each worker is provided with appropriate PPE's. Sufficient drinking water is provided.
10	Specific Condition	Air Quality Monitoring & Preservation	Arsenic and Mercury shall be monitored in emissions, ambient air, and water.	Complied	Arsenic and mercury monitoring is performed by MoEF&CC accredited laboratories.
11	Specific Condition	Miscellaneous	The coal yard shall be lined and covered.	Complied	Coal is stored in covered storage.



Storage Shed



Storage Shed

12	Specific Condition	Biodiversity	The project proponent shall prepare a report on impact of project on surrounding reserve forest within six months and will get it approved from the State Forest Department. A copy of the conservation with the State Forest and Wildlife Department. A copy of the same should be submitted to the Ministry and its Regional Office.	Noted for Compliance	There is no Wildlife Sanctuary, National Park, within 10 Km radius of the lease area. The same was confirmed in Letter No. 2 by Deputy Forest Ranger Mr. Chittorgarh. AF () Survey/UVS/2021-22/4089, from 13 July 2021.
13	Specific Condition	Biodiversity	The project proponent shall take all precautionary measures for conservation and protection of wild fauna in the study area. A Wildlife Conservation Plan specific to this project site shall be prepared in consultation with State Forest and Wildlife Department. A copy of the Conservation plan shall be submitted to the Ministry and its Regional Office.	Complied	An integrated WLCP is prepared for 5 limestone mines and 2 ICP owned by JK Cement within a 10km radius. In July 2021, 20% of Rs 57.07 crore paid to DFO-Chittorgarh towards WCP total of 285.30/-Cr.
14	Specific Condition	Statutory Compliance	The project proponent will also provide the latest status of the environment compliances in respect of its existing plant.	Complied	We are regularly submitting half yearly compliances on Parivesh portal and in hard to all concerned departments.
15	Specific Condition	Air Quality Monitoring & Preservation	Efforts shall be made to reduce impact of the transport of the raw material and end products on the surrounding environment including agricultural land using conveyors/rail mode of transport wherever feasible. The company shall have separate truck parking area. Vehicular emissions shall be regularly monitored.	Complied	Raw materials such as coal/Pet coke are transported by rail, Fly ash is sourced locally. Truck parking area haul roads are regularly watered.



Water spraying system (fog system) at coal unloading point



Material Transportation by railway

16	Specific Condition	Water Quality Monitoring & Preservation	Efforts shall be made to further reduce water consumption by using air cooled condensers. All the treated wastewaters shall be recycled and reused in the process and/or for dust suppression and green belt development and other plant related activities etc. No process wastewater shall be discharged outside the factory premises and 'zero' discharge shall be adopted.	Complied	Installed ACC in CPP & WHRS. Zero Liquid Discharge Units: Treated water from WHRS and CPP is used in Cement plant for cooling purpose and dust suppression.
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AIR COOLED CONDENSOR AT 25 MW CAPTIVE POWER PLANT


17	Specific Condition	Water Quality Monitoring & Preservation	Efforts shall be made to make use of rainwater harvested. If needed capacity of the reservoir shall be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.	Complied	Constructed 16 artificial rainwater storage facilities (injection wells) and 01 artificial ponds for groundwater recharge in the colony and plant.
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RAINWATER HARVESTING STRUCTURE (INJECTION WELL)

18	Specific Condition	Water Quality Monitoring & Preservation	Regular monitoring of influent and effluent surface, sub-surface and ground water shall be ensured and treated wastewater shall meet the norms prescribed by the State Pollution Control Board or described under the Environment (Protection) Act, 1986.	Complied	No wastewater was generated at the cement plant. Domestic sewage systems and colonies are treated with STP and used on plantations. Neutralized wastewater from CPP and WHRS is used in cement plants.
19	Specific Condition	Waste Management	All the bag filter, raw mill dust, coal dust, clinker dust and cement dust from Pollution Control devices shall be recycled and reused in the process and used for cement manufacturing. Spent oil and batteries shall be sold to authorized recyclers/re-processors only.	Complied	Process dust like Raw mill, coal, clinker & cement from BFH, RABH, ESP etc are recycled in cement manufacturing. HW -Waste Oil are sold to recyclers & batteries returned to suppliers & registered recyclers
20	Specific Condition	Waste Management	The kiln shall be provided with a flexible fuel feeding system to enable use of hazardous wastes and other wastes including biomass, etc.	Complied	An AFR feed system has been installed for the solid and liquid AFR feed.


SOLID AFR FEEDING SYSTEM

LIQUID AFR FEEDING SYSTEM

21	Specific Condition	Waste Management	The proponent shall examine and prepare a plan for utilization of high calorific waste such as chemical waste, distillation residues, refuse derived fuels etc. as alternate fuels based on availability and composition. For this, the proponent shall identify suitable industries with such waste and enter an MOU for long-term utilization of such waste as per the Environment (protection) Rules, 1986 and with necessary approvals.	Complied	CPCB/RSPCB has granted various HW/Other Waste Permits to the unit for use as AFR in cement plants.
22	Specific Condition	Waste Management	Efforts shall be made to use the high calorific hazardous waste in the cement kiln and necessary provision shall be made accordingly. The PP shall enter an MOU with units with potential for generating	Complied	CPCB/RSPCB has granted various HW/Other Waste Permits to the unit for use as AFR in cement plants.

			hazardous waste and in accordance with Hazardous Waste Regulation and prior approval of the MPPCB.		
23	Specific Condition	Green Belt Development	Green belt over 33% of the total project area shall be developed within plant premises with at least 10-meter-wide green belt on all sides along the periphery of the project area and along roadsides etc. by planting native and broad-leaved species in consultation with local DFO, local community and as per the CPCB guidelines.	Complied	In FY 2024- 2025 total 4886 no. of plantation was done. Total 217000 no. plants are already existing within plant area which is more than 33 percent of plant area. Native species as per the CPCB guidelines are planted.
24	Specific Condition	Energy Preservation Measures	The project proponent shall provide for solar light system for all common areas, streetlight, village, and parking around project area and maintain the same regularly.	Complied	5.6 MW solar power plant is present in Plant and Colony.
25	Specific Condition	Energy Preservation Measures	The project proponent shall provide for LED light in their offices and residential areas.	Complied	We replaced the existing lighting in the office and living room with LED lighting.
26	Specific Condition	Corporate Environment Responsibility	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Cement plants shall be implemented.	Noted for Compliance	Raw materials are stored in covered sheds; intermediate and final products are stored in silos. Fly ash is discharged pneumatically. ESP for Cooler and CPP. All roads are asphalted and vacuumed and all the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Cement plants are fulfilled.
27	Specific Condition	Corporate Environment Responsibility	At least 2.5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues, locals need and items-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office. Implementation of such program shall be ensured by constituting a Committee comprising of the proponent, representatives of village Panchayat and District Administration. Action taken report in this regard shall be submitted to the Ministry's Regional Office.	Complied	Various activities are carried out each year that benefit society and address issues of public consultation. Amount of 1.061 Cr during the FY 24-25 towards the Enterprise Social Commitment based on Public Hearing issues and locals needs.

28	Specific Condition	Corporate Environment Responsibility	In addition to the above provision of ESC, the proponent shall prepare a detailed CSR Plan for the next 5 years including annual physical and financial targets for the existing-cum-expansion project, which includes village-wise, sector-wise (Health, Education, Sanitation, Skill Development, and infrastructure etc.) activities in consultation with the local communities and administration. The CSR Plan will include the amount of 2% retain annual profits of previous 3 years towards CSR activities for life of the project. A separate budget head shall be created and the annual capital and revenue expenditure on various activities of the CSR Plan shall also be uploaded on the company website and shall also be provided in the Annual Report of the company.	Complied	Various activities are carried out each year that benefit society and address issues of public consultation.
29	Specific Condition	Risk Mitigation & Disaster Management	A Risk Assessment Study and Disaster Preparedness and Management Plan along with the mitigation measures shall be prepared with a focus of Disaster Prevention and a copy submitted to the Ministry's Regional Office, SPCB and CPCB within 3 months of issue of Environment Clearance letter.	Complied	An approved onsite contingency plan has been submitted to your good office
30	Specific Condition	Human Health Environment	To educate the workers, all the workplaces where dust may cause a hazard shall be clearly indicated as a dust exposure area with display signs which identifies the hazard and the associated health effects.	Complied	The unit displayed environmental, health and safety slogans/messages on existing plant premises to raise awareness of the hazards and associated health implication
31	Specific Condition	Miscellaneous	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project.	Complied	During construction, cooking fuel, portable toilets, clean drinking water, medical care and daycare were provided.
32	General Condition	Statutory Compliance	The Project authorities must strictly adhere to the stipulation made by the Rajasthan Pollution Control Board and the State Government.	Noted for Compliance	We are to abide by the law and strictly comply with the RSPCB Regulation and its amendments.

33	General Condition	Miscellaneous	No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change (MoEF&CC).	Noted for Compliance	In the event of a modification or expansion, we will inform the board beforehand and obtain approval accordingly.
34	General Condition	Air Quality Monitoring & Preservation	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM10, PM2.5, SO2 and NOx are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Lucknow and the SPCB/CPCB once in Six months.	Complied	The unit, following consultation with RSPCB, has installed 4 Nos CAAQMS to monitor PM10, PM2.5, SO2 and NOx. The data are regularly transmitted to the ministry and its RO as well as the SPCB/CPCB.
35	General Condition	Water Quality Monitoring & Preservation	Industrial wastewater shall be properly collected, treated to conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31st December 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	Complied	Cement manufacturing is a dry process. Introduced zero emission facilities in CPP and WHRS. Effluents from the CPP and WHRS are reused for dust suppression and machine cooling at the cement plant.
36	General Condition	Noise, Vibration Monitoring & Preservation	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).	Complied	Mufflers, acoustic hoods, enclosures, etc. are provided in areas where noise is generated, and personnel involved are provided with PPEs.
37	General Condition	Human Health Environment	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Complied	Occupational medical surveillance of employees is carried out periodically.
38	General Condition	Water Quality Monitoring & Preservation	The company shall develop rainwater harvesting structures to harvest the rainwater for utilization in the lean season besides recharging the ground water table.	Complied	16 No's of rainwater harvesting structures have already been developed. One recharge pond for the cement plant and colony.
39	General Condition	Corporate Environment Responsibility	The project proponent shall also comply with all the environment protection measures and safeguards recommended in the EIA/EMP report. Further, the	Complied	Various activities are carried out each year that benefit society and address issues of public consultation.

			company must undertake socio-economic development activities in the surrounding villages like community development programmes, education programmes, drinking water supply and health care etc.		
40	General Condition	Corporate Environment Responsibility	Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment, Forest, and Climate Change (MoEF&CC) as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Lucknow. The funds so provide shall not be diverted for any other purpose.	Complied	This condition is complied
41	General Condition	Statutory Compliance	A copy of clearance letter shall be sent by the proponent to concern Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body, and the local NGO, if any, from whom suggestion/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Complied	The copy has been sent to the appropriate authorities and uploaded to the company's website. https://www.jkcement.com/environmental-compliance

42	General Condition	Air Quality Monitoring & Preservation	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEFCC at Lucknow. The respective zonal Office of CPCB and the SPCB. The criteria pollutant levels namely, PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Complied	The criteria pollutant levels being displayed at the main gate of the company in the public domain. On the company website, the periodical reports are uploaded and sent to boards via email.
43	General Condition	Statutory Compliance	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environment conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEFCC, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Lucknow/ CPCB/SPCB shall monitor the stipulated conditions.	Complied	This condition is complied
44	General Condition	Statutory Compliance	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEFCC at Lucknow by e-mail.	Complied	The FY 2023-24 Form-V was submitted to RSPCB and MoEF& CC regional offices on September 27th, 2024, and uploaded to our company website.

45	General Condition	Statutory Compliance	The Project Proponent shall inform the public that the project has been accorded environment clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at website of the Ministry of Environment, Forest, and Climate Change (MoEF&CC) at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspaper that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional Office at Lucknow.	Complied	The entity has published in two newspapers that the project has obtained an environmental permit from the MoEF&CC. Dainik Bhaskar from 2016/09/17 PATRIKA, RAJASTHAN From 17th September 2016
46	General Condition	Miscellaneous	Project authorities 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 and the date of commencing the land development work.	Noted for Compliance	we are bound to the said condition.
Amended EC Letter No.: J-11011/267/2013-IA. II (I), dated 08.03.2019					
1	General Condition	Miscellaneous	The Power Generation from waste heat recovery boiler shall be enhanced to 20MW to 36MW.	Complied	We have achieved the power generation from waste heat recovery boiler to 29.1MW .
2	General Condition	Green belt	The PP shall under take additional greenbelt development in 5 percent of the total area.	Complied	In FY 2024- 2025 total 4886 no. of plantation was done. Total 217000 no. plants are already existing within plant area which is more than 33 percent of plant area. Native species as per the CPCB guidelines are planted.
3	General Condition	Miscellaneous	The proponent has mentioned that there is no court case or violation under EIA Notification to the project or related activity.	Complied	Constructed 16 artificial rainwater storage facilities (injection wells) and 01 artificial ponds for groundwater recharge in the colony and plant.



Report No. 20250311062

ULR No. TC594125000001061F

Report Issue Date: 19.03.2025



TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Mangrol,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date of Monitoring : 05.03.2025
4. Sample Identification : Stack Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 11.03.2025
7. Period of Analysis : 11.03.2025 to 18.03.2025
8. Name of Location : Stack attached to Raw Mill & Kiln-Line-2
9. Method of Sampling : IS:11255(Part 1, Part 2, & Part 7) & Instrument Manual

S. No	Stack Details	Description	Unit
1.	Height of stack	158.5	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	4.25	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)	SO ₂ (mg/Nm ³)	NO _x (mg/Nm ³)
						30	100	800
Chemical - Atmospheric Pollution- Stack Emission								
1.	1 st	02:15 PM	109	10.06	108.39	10.25	9.95	340.72

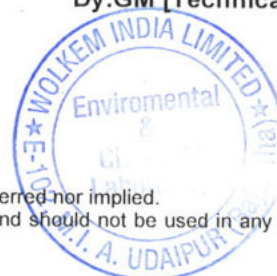
Tested By

(Leena Sharma)
Chemist



Authorized Signatory

(Amreesh Kumar)
Dy.GM [Technical]



Note

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





Report No. 20250311063

ULR No. TC59412500001062F

Report Issue Date: 19.03.2025



TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Mangrol,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date of Monitoring : 05.03.2025
4. Sample Identification : Stack Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 11.03.2025
7. Period of Analysis : 11.03.2025 to 18.03.2025
8. Name of Location : Stack attached to Raw Mill & Kiln-Line-3
9. Method of Sampling : IS:11255(Part 1, Part 2, & Part 7) & Instrument Manual

S. No	Stack Details	Description	Unit
1.	Height of stack	148	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)	SO ₂ (mg/Nm ³)	NO _x (mg/Nm ³)
						30	100	600
Chemical - Atmospheric Pollution- Stack Emission								
1.	1 st	10:50 AM	117	16.35	152.76	12.20	9.10	299.92

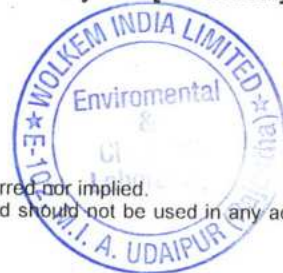
Tested By

(Leena Sharma)
Chemist



Authorized Signatory

(Amreesh Kumar)
Dy.GM [Technical]



Note

1. Complaint Register is available in lab / Email ID amrish.malik@wolkem.com
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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. 20250311064

ULR No. TC594125000001063F

Report Issue Date: 19.03.2025



TC - 5941

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Mangrol,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date of Monitoring : 06.03.2025
4. Sample Identification : Stack Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 11.03.2025
7. Period of Analysis : 11.03.2025 to 18.03.2025
8. Name of Location : Stack attached to Boiler ESP-CPP-25.MW
9. Method of Sampling : IS:11255(Part 1, Part 2, & Part 7) & Instrument Manual

S. No	Stack Details	Description	Unit
1.	Height of stack	110	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	3.69	Meter

Results

S. No.	Time	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)
					50	600	450
Chemical - Atmospheric Pollution- Stack Emission							
1.	12:30 PM	128	8.98	69.45	19.26	481.80	337.53

Tested By

Leena Sharma
(Leena Sharma)
Chemist



Authorized Signatory

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



Note

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Report No. 20250311065

ULR No. TC59412500001064F

Report Issue Date: 19.03.2025

TEST REPORT



TC - 5941

1. Name of Customer : M/s J.K. Cement Works Mangrol,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date of Monitoring : 05.03.2025
4. Sample Identification : Stack Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 11.03.2025
7. Period of Analysis : 11.03.2025 to 18.03.2025
8. Name of Location : Stack attached to Cooler ESP- Line-2
9. Method of Sampling : IS:11255(Part 1) & Instrument Manual

S. No	Stack Details	Description	Unit
1.	Height of stack	48.91	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	3.35	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	12:30 AM	113	8.94	59.19	27.42

Tested By

(Leena Sharma)
Chemist



Authorized Signatory

(Amresh Kumar)
Dy.GM [Technical]



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Report No. 20250311066

ULR No. TC594125000001065F

Report Issue Date: 19.03.2025

TEST REPORT



1. Name of Customer : M/s J.K. Cement Works Mangrol,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date of Monitoring : 05.03.2025
4. Sample Identification : Stack Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 11.03.2025
7. Period of Analysis : 11.03.2025 to 18.03.2025
8. Name of Location : Stack attached to Cooler ESP- Line-3
9. Method of Sampling : IS:11255(Part 1) & Instrument Manual

S. No	Stack Details	Description	Unit
1.	Height of stack	52.1	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	3.5	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) 30
Chemical - Atmospheric Pollution- Stack Emission						
1.	1 st	12:10 PM	112	9.10	65.96	16.49

Tested By

Leena
(Leena Sharma)
Chemist



Authorized Signatory

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



Note

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Report No. 20250311067

ULR No. TC594125000001066F

Report Issue Date: 19.03.2025

TEST REPORT



1. Name of Customer : M/s J.K. Cement Works Mangrol,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date of Monitoring : 05.03.2025
4. Sample Identification : Stack Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 11.03.2025
7. Period of Analysis : 11.03.2025 to 18.03.2025
8. Name of Location : Stack attached to Coal Mill Bag House- Line-2
9. Method of Sampling : IS:11255(Part 1) & Instrument Manual

S. No	Stack Details	Description	Unit
1.	Height of stack	51.2	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	1.6	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	02:50 PM	67	8.88	15.23	11.45

Tested By

Leena
(Leena Sharma)
Chemist



Authorized Signatory

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



Note

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

CIN- U29299RJ1971PLC001379



Report No. 20250311068

ULR No. TC594125000001067F

Report Issue Date: 19.03.2025

TEST REPORT



TC - 5941

1. Name of Customer : M/s J.K. Cement Works Mangrol,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date of Monitoring : 05.03.2025
4. Sample Identification : Stack Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 11.03.2025
7. Period of Analysis : 11.03.2025 to 18.03.2025
8. Name of Location : Stack attached to Coal Mill Bag House- Line-3
9. Method of Sampling : IS:11255(Part 1) & Instrument Manual

S. No	Stack Details	Description	Unit
1.	Height of stack	62.2	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	2.24	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	10:30 AM	88	8.82	27.93	15.04

Tested By

Leena Sharma
(Leena Sharma)
Chemist



Authorized Signatory

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



Note

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Report No. 20250311069

ULR No. TC59412500001068F

Report Issue Date: 19.03.2025

TEST REPORT



1. Name of Customer : M/s J.K. Cement Works Mangrol,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date & Time of Monitoring : 06.03.2025
4. Sample Identification : Stack Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 11.03.2025
7. Period of Analysis : 11.03.2025 to 18.03.2025
8. Name of Location : Stack attached to Cement Mill- 02- Line-2
9. Method of Sampling : IS:11255(Part 1) & Instrument Manual

S. No	Stack Details	Description	Unit
1.	Height of stack	35	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	1.1	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	12:10 PM	74	8.99	7.14	15.78

Tested By

Leena
(Leena Sharma)
Chemist



Authorized Signatory

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



Note

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Report No. 20250311070

ULR No. TC594125000001069F

Report Issue Date: 19.03.2025



TC - 5941

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Mangrol,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date of Monitoring : 07.03.2025
4. Sample Identification : Stack Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 11.03.2025
7. Period of Analysis : 11.03.2025 to 18.03.2025
8. Name of Location : Stack attached to Cement Mill- 03- Line-2.
9. Method of Sampling : IS:11255(Part 1) & Instrument Manual

S. No	Stack Details	Description	Unit
1.	Height of stack	56	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	2.9	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	09:00 AM	78	16.18	88.32	12.94

Tested By

Leena
(Leena Sharma)
Chemist

Authorized Signatory

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



Note

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Report No. 20250311071

ULR No. TC594125000001070F

Report Issue Date: 19.03.2025

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Mangrol,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date of Monitoring : 07.03.2025
4. Sample Identification : Stack Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 11.03.2025
7. Period of Analysis : 11.03.2025 to 18.03.2025
8. Name of Location : Stack attached to Cement Mill- 04 HRP
9. Method of Sampling : IS:11255(Part 1) & Instrument Manual

S. No	Stack Details	Description	Unit
1.	Height of stack	61.7	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	2.8	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 - Atmospheric Pollution- Stack Emission						
1.	1 st	10:40 AM	86	8.93	44.42	22.23

Tested By

(Leena Sharma)
Chemist

Authorized Signatory

(Amresh Kumar)
Dy.GM [Technical]**Note**

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CIN- U29299RJ1971PLC001379

Report No. 20250311072

ULR No. TC594125000001071F

Report Issue Date: 19.03.2025

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Mangrol,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date & Time of Monitoring : 06.03.2025
4. Sample Identification : Stack Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 11.03.2025
7. Period of Analysis : 11.03.2025 to 18.03.2025
8. Name of Location : Stack attached to LS- Crusher-02
9. Method of Sampling : IS:11255(Part 1) & Instrument Manual



S. No	Stack Details	Description	Unit
1.	Height of stack	30	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	0.69	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	11:25 AM	36	14.18	4.98	24.44

Tested By

Leena Sharma
(Leena Sharma)
Chemist



Authorized Signatory

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



Note

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Report No. 20250311073

ULR No. TC594125000001072F

Report Issue Date: 19.03.2025

TEST REPORT



TC - 5941

1. Name of Customer : M/s J.K. Cement Works Mangrol,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date & Time of Monitoring : 06.03.2025
4. Sample Identification : Stack Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 11.03.2025
7. Period of Analysis : 11.03.2025 to 18.03.2025
8. Name of Location : Stack attached to Packer-01
9. Method of Sampling : IS:11255(Part 1) & Instrument Manual

S. No	Stack Details	Description	Unit
1.	Height of stack	30	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	1.0	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	10:30 AM	31	6.80	5.10	10.15

Tested By

Leena
(Leena Sharma)
Chemist



Authorized Signatory

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



Note

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CIN- U29299RJ1971PLC001379



Report No. 20250311074

ULR No. TC594125000001073F

Report Issue Date: 19.03.2025

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Mangrol,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date & Time of Monitoring : 06.03.2025
4. Sample Identification : Stack Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 11.03.2025
7. Period of Analysis : 11.03.2025 to 18.03.2025
8. Name of Location : Stack attached to Packer-02
9. Method of Sampling : IS:11255(Part 1) & Instrument Manual



TC - 5941

S. No	Stack Details	Description	Unit
1.	Height of stack	30	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	1.0	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	01:20 PM	32	6.36	4.75	10.78

Tested By

Leena
(Leena Sharma)
Chemist



Authorized Signatory

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



Note

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CIN- U29299RJ1971PLC001379

Report No. 20250311075

ULR No. TC594125000001074F

Report Issue Date: 19.03.2025

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Mangrol,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date & Time of Monitoring : 06.03.2025
4. Sample Identification : Stack Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 11.03.2025
7. Period of Analysis : 11.03.2025 to 18.03.2025
8. Name of Location : Stack attached to Packer-03
9. Method of Sampling : IS:11255(Part 1) & Instrument Manual



S. No	Stack Details	Description	Unit
1.	Height of stack	30	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	1.0	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	02:10 PM	34	7.01	5.20	11.53

Tested By

Leena
(Leena Sharma)
Chemist



Authorized Signatory

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

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Report No. 20250311076

ULR No. TC59412500001075F

Report Issue Date: 19.03.2025

TEST REPORT



1. Name of Customer : M/s J.K. Cement Works Mangrol,
(Unit Cement Plant), Tehsil- Nimbahera,
District- Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date & Time of Monitoring : 06.03.2025
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 18.03.2025
8. Name of Location : Stack attached to Packer-04
9. Method of Sampling : IS:11255(Part 1) & Instrument Manual

S. No	Stack Details	Description	Unit
1.	Height of stack	30	Meter
2.	No. of stack	1.0	Nos
3.	Stack Dia	1.0	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	03:10 PM	35	7.19	5.32	12.79

Tested By


(Leena Sharma)
Chemist



Authorized Signatory


(Amresh Kumar)
Dy.GM [Technical]



Note

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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



TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Mangrol,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA)
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date & Time of Monitoring : 07.03.2025/10:30AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 11.03.2025
7. Period of Analysis : 11.03.2025 to 18.03.2025
8. Name of Location : Near Time Office
9. Method of Sampling : IS: 5182(Part 23,2,6) & Instrument Manual



S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	25.3
2.	Relative Humidity	%	30

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	67.92	100
2.	PM _{2.5}	WIL/SOP No. 10/25 Issue date 01.05.2019	µg/m ³	39.18	60
3.	SO ₂	IS:5182 (Part-2)	µg/m ³	9.66	80
4.	NO ₂	IS:5182 (Part-6)	µg/m ³	15.03	80

Tested By

Leena
(Leena Sharma)
Chemist

Authorized Signatory

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



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Report No. 20250311028/B

Report Issue Date: - 19.03.2025

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Mangrol,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date & Time of Monitoring : 07.03.2025/10:30AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 11.03.2025
7. Period of Analysis : 11.03.2025 to 18.03.2025
8. Name of Location : Near Time Office
9. Method of Sampling : Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	25.3
2.	Relative Humidity	%	30

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)

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

CIN- U29299RJ1971PLC001379



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TEST REPORT



1. Name of Customer : M/s J.K. Cement Works Mangrol,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA); 5941
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date & Time of Monitoring : 07.03.2025/11:05AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 11.03.2025
7. Period of Analysis : 11.03.2025 to 18.03.2025
8. Name of Location : Near Thermal Power Plant
9. Method of Sampling : IS: 5182(Part 23,2,6) & Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	27.8
2.	Relative Humidity	%	32

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	74.32	100
2.	PM _{2.5}	WIL/SOP No. 10/25 Issue date 01.05.2019	µg/m ³	37.52	60
3.	SO ₂	IS:5182 (Part-2)	µg/m ³	10.65	80
4.	NO ₂	IS:5182 (Part-6)	µg/m ³	16.05	80

Tested By

Authorized Signatory

Leena
(Leena Sharma)
Chemist



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



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TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Mangrol,
(Unit-Cement Plant), Tehsil - Nimbaheera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date & Time of Monitoring : 07.03.2025/11:05AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 11.03.2025
7. Period of Analysis : 11.03.2025 to 18.03.2025
8. Name of Location : Near Thermal Power Plant
9. Method of Sampling : Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	27.8
2.	Relative Humidity	%	32

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	0.71	04 (1 hour)

Tested By

Authorized Signatory

Leena
(Leena Sharma)
Chemist



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



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INDIA LIMITED
Report No.20250311030/A

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

www.wolkem.com

ULR No. TC594125000001029F

Report Issue Date: 19.03.2025

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Mangrol,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA)
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date & Time of Monitoring : 07.03.2025/11:15AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 11.03.2025
7. Period of Analysis : 11.03.2025 to 18.03.2025
8. Name of Location : Near Factory Gate
9. Method of Sampling : IS: 5182(Part 23,2,6) & Instrument Manual



S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	28.1
2.	Relative Humidity	%	32

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	69.12	100
2.	PM _{2.5}	WIL/SOP No. 10/25 Issue date 01.05.2019	µg/m ³	35.90	60
3.	SO ₂	IS:5182 (Part-2)	µg/m ³	8.91	80
4.	NO ₂	IS:5182 (Part-6)	µg/m ³	13.28	80

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 Mangrol,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date & Time of Monitoring : 07.03.2025/11:15AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 11.03.2025
7. Period of Analysis : 11.03.2025 to 18.03.2025
8. Name of Location : Near Factory Gate
9. Method of Sampling : IS: 5182(Part 11, 12) & Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	28.1
2.	Relative Humidity	%	32

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	0.63	04 (1 hour)

Tested By

Authorized Signatory

Leena Sharma
(Leena Sharma)
Chemist



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



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TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Mangrol,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA)
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date & Time of Monitoring : 07.03.2025/11:30AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/OK
6. Sample Received On : 11.03.2025
7. Period of Analysis : 11.03.2025 to 18.03.2025
8. Name of Location : Near Colony Gate
9. Method of Sampling : IS: 5182(Part 23,2,6) & Instrument Manual




S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	28.2
2.	Relative Humidity	%	33

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	62.13	100
2.	PM _{2.5}	WIL/SOP No. 10/25 Issue date 01.05.2019	µg/m ³	30.46	60
3.	SO ₂	IS:5182 (Part-2)	µg/m ³	10.32	80
4.	NO ₂	IS:5182 (Part-6)	µg/m ³	13.45	80

Tested By

Authorized Signatory


(Leena Sharma)
Chemist




(Amreesh Kumar)
Dy. GM (Technical)



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Report No. 20250311031/B

Report Issue Date: - 19.03.2025

TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Mangrol,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase Order Number : 4600003316 Dated: - 04.07.2024
3. Date & Time of Monitoring : 07.03.2025/11:30AM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 11.03.2025
7. Period of Analysis : 11.03.2025 to 18.03.2025
8. Name of Location : Near Colony Gate
9. Method of Sampling : Instrument Manual

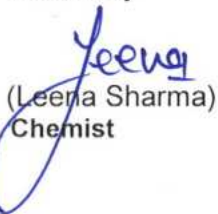
S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	28.2
2.	Relative Humidity	%	33

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	0.32	04 (1 hour)

Tested By

Authorized Signatory


(Leena Sharma)
Chemist




(Amreesh Kumar)
Dy.GM (Technical)



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ULR No.TC594125000001031F-1034

Report Issue Date: 19.03.2025



TEST REPORT

1. Name of Customer : M/s J.K. Cement Works Mangrol,
(Unit-Cement Plant), Tehsil - Nimbahera,
District – Chittorgarh, State- Rajasthan (INDIA),
2. Purchase order Number : 4600003316 Dated: - 04.07.2024
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 Time Office	20250311032	64.8	51.4	52.7	40.9
2.	Near Thermal Power Plant	20250311033	70.8	66.9	60.3	58.7
3.	Near Factory Gate	20250311034	68.4	60.1	55.5	48.1
4.	Near Colony Gate	20250311035	65.2	55.5	20.1	46.4

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
(Leena Sharma)
Chemist

Authorized Signatory

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



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