

**Kantharia-Mine/EC/Compliance/23-24/****Date:09.11.2023**

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

**Sub: Environmental Clearance Compliance report China Clay Mine production capacity of 150000 TPA and installed 65 TPH Crusher at China Clay Mines M.L. 27/92 (Measuring 53.8424 Ha.). N/V: Kantharia, Tehsil & District – Chittorgarh (Rajasthan) Owned by M/s. J.K. White Cement Works, P.O.-Gotan, District-Nagaur, Rajasthan.**

Ref: EC Letter No. J-11015/296/2011-IA. II (M) dated: 03.07.2015

Dear Sir,  
Kindly refer to the above subject matter and refer EC letter no., please find enclosed herewith EC compliance report for the period of **April 2023 to September 2023**.

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

We hope that the compliance is in order.

Thanking you.

Yours Faithfully

**For JK White Cement Works**



**R.B.M Tripathi**  
**President (Operations)**

Encl: as above

**Copy:**

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

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Six Monthly Compliance Report of China Clay Mine production capacity of 150000 TPA and installed 65 TPH Crusher at China Clay Mines M.L. 27/92 (Measuring 53.8424 Hactares). N/V: Kantharia, Tehsil & District – Chittorgarh (Rajasthan) Owned by M/s. J.K. White Cement Works, P.O.-Gotan, District-Nagaur, Rajasthan-342902, Compliance of Environmental Clearance No. J-11015/296/2011-IA. II (M) dated: 03.07.2015. for the **Period of April 2023 to Septemeber 2023**.

<b>A</b>	<b>Specific Conditions</b>	<b>Status</b>
1	Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court of Rajasthan and any other Court of Law, if any, as may be applicable to this project.	Noted & agreed. Mining will be done as per Hon'ble Supreme Court Order dated 29/07/2013
2	Environmental clearance is subject to obtained clearance, if any, under the Wildlife (Protection) Act, 1972 from the Competent Authority, as may be applicable to this project.	Not applicable.
3	No mining activities will be allowed in forest area, if any, for which the Forest Clearance is not available.	Mining lease does not fall under forest area
4	The Project Proponent shall obtain Consent to Operate from the State Pollution Control Board, Rajasthan and effectively implement all the conditions stipulated therein.	CTO obtained from RSPCB vide letter no. F(Mines)Chittorgarh/1897 /(1) /2016-2017/1389-1393, dated 17/06/2020
5	The local species may be recommended to be encouraged and species are so chosen that the slope, bottom of the dumps and top of the dumps are able to sustain these species.	Noted and complied.
6	Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and maintain records; accordingly, also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. The Recommendations of the National Institute for ensuring good occupational environment for mine workers shall be implemented. The prevention measure for burns, malaria and provision of anti-snake venom including all other paramedical safeguards may be ensured before initiating the mining activities.	Complying with. Periodical medical checkups are carried out and there is no occupational disease observed so far.
7	Implementation of Action Plan on the issues raised during the Public Hearing shall be ensured. The PP shall complete all the tasks as per the Action Plan submitted with budgetary provisions during the Public Hearing.	Complied with. All the issues raised during the public hearing are well addressed as per the submitted action plan.
8	The mining operations shall be restricted to above ground water table, and it should not intersect groundwater table. In case of working below ground water table, prior approval of the Ministry of Environment, Forest and Climate Change and Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out. The Report on six monthly basis on changes in Ground Water level and quality shall be submitted to the Regional Office of the Ministry.	Complying with. There is no mine intersection.
9	The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUCC only will be allowed to ply. The mineral transportation shall be carried out through covered	Complying with. The water spray on haul road is being carried out. Only valid PUC vehicle is used.

	trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centers.	
10	There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis in consultation with Regional Director, Central Groundwater Board and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board.	Complied with. Rainwater harvesting pit has been constructed and maintained.
11	Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured; Washing of all transport vehicle should be done inside the mining lease.	Complying with. Water tanker fitted with sprinkler is being used for suppressing fugitive dust. Washing of transport vehicles is not required for minimizing water consumption.
12	Implementation of Environment Management Policy of the Company w.r.t. judicious use of Mineral resources for growth & development synchronizing mining & environment with prosperity.	Complied with. Environment Management Policy has been implemented.
13	The project Proponent shall also take all precautionary measures during mining operation for conservation and protection of endangered flora/fauna, if any, spotted in the study area.	Complying with. All precautionary measure has been taken for conservation of flora & fauna.
14	The illumination and sound at night at project site, disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. Project Proponent must ensure that the biological clock of the villages is not disturbed by orienting the floodlights/masks away from the villagers and keeping the noise levels well within the prescribed limits for day light/night hours.	Complying with. Mining will be done strictly in day hours.  Noise levels are kept well within the limit by regular monitoring and proper maintenance of machines. There is no mining operation and no flood lights during the night.
15	Main haulage road in the mine should be provided with permanent water sprinklers and other roads should be regularly wetted with water tankers fitted with sprinklers.	Complying with. Water tanker fitted with sprinkler is being used for dust suppression on haul roads.
16	Transportation of the minerals by road passing through the village shall not be allowed. A 'bypass' road should be constructed (say, leaving a gap of at least 200 meters) for the purpose of transportation of the minerals so that the impact of sound, dust and accidents could be mitigated. The Project Proponent shall bear the cost towards the widening and strengthening of existing public road network in case the same is proposed to be used for the Project. No road movement should be allowed on existing village road network without appropriately increasing the carrying capacity of such roads.	Public road of sufficient width is attached with our mining lease area for transportation of mineral.
17	Likewise, Alteration or re-routing of foot paths, pagdandies, cart roads, and village infrastructure/public utilities or roads (for purposes of land acquisition for mining) shall be avoided to the extent possible and in case such acquisition is inevitable, alternative arrangements shall be made first and then only the area acquired. In these types of cases, Inspection reports by site visit by experts may be	Complied with. There is no alteration road.

	insisted upon which should be done through reputed Institutes.	
18	CSR activities by Companies including the Mining Establishments has become mandatory up to 2% of their financial Turn-over, Socio Economic Development of the neighborhood habitats could be planned and executed by the Project Proponent more systematically based on the 'Need based door to door survey by established Social Institutes/Workers. The report shall be submitted to the Ministry of Environment & Forest and its Regional Office located at Lucknow on six monthly basis.	Complying with. CSR activities are being undertaken by the Company.
19	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Labor belongs to nearby villages and prefers to go home after completion of duty. Hence, there is no colony in the lease area.
20	A final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment, Forest & Climate Change 5 years in advance of final mine closure for approval.	Noted and will be complied.
<b>B</b>	<b>General conditions</b>	<b>Status</b>
1	No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment, Forest & Climate Change.	Complying with. Mining activities is being carried out as per the approved mining plan.
2	No change in the calendar plan including excavation, quantum of mineral and waste should be made.	Complying with. Excavation is being done as per the approved mining plan.
3	The Project Proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface water and ground water for the project.	Noted, at present there are no permission required.
4	Regular monitoring of ground water table to be carried out at the upstream and depth of water available in the dug well is to be measured. Monitoring to be done by establishing a network of existing wells and constructing new piezometers.	Not applicable.
5	Monitoring of Ambient Air Quality to be carried out based on the 2009 Notification, as amended from time to time by the Central Pollution Control Board. Water sprinkling should be increased at places loading and unloading points & transfer point to reduce fugitive emissions.	Complying with. Ambient Air Quality Monitoring is being carried out by NABL recognized lab, copy of report is attached as Annexure- 1. Water Sprinkling is done for dust suppression.
6	The upliftment of scheduled caste/scheduled tribe population, specific programmes have been taken in the consideration especially with respect to education, health care, livelihood generation, infrastructure development & promotion of sports & culture for SC/ST population and that these will be intensified in future.	Complying with.
7	The top soil, if any, shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only and it should not be kept active for a long period of time. The	Mining is being carried out as per the approved mining plan. Topsoil is utilized for plantation purposes. Overburden dumps scientifically vegetated with native species.

	<p>maximum height of the dumps shall not exceed 8m and width 20m and overall slope of the dumps shall be maintained to 45°. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas, use of geo textiles shall be undertaken for stabilization of the dump. The entire excavated area shall be backfilled and afforested. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment, Forest &amp; Climate Change and its Regional Office located at Lucknow on six monthly basis.</p>	
8	<p>Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and OB dumps to prevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. the drains shall be regularly desilted particularly after monsoon and maintained properly. The drains settling tanks and check dams of appropriate size, gradient and length shall be constructed both around the mine pit and over burden dumps to prevent run off of water and flow of sediments directly into the river and other water bodies and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and desilted at regular intervals.</p>	<p>Complied with. Catch drains (800mX1mX1.5m) and siltation pond (25mX50m) have been prepared to arrest silt and sediment flows from mine pit and over burden dumps. The water collected in mine pit is being utilized for dust suppression, haul roads, plantation, greenbelt development.</p>
9	<p>Plantation shall be raised in a 7.5m wide green belt in the safety zone around the mining lease, backfilled and reclaimed area, around water body, along the roads etc. by planting the native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per ha. Greenbelt shall be developed all along the mine lease area in a phased manner and shall be completed within first five years.</p>	<p>The program of greenbelt/ plantation is kept continuously within and outside the ML area with local species.</p> <p>The plantation is done along the roadside, on the waste dump, on non-mineralized area, along ML boundary.</p> <ul style="list-style-type: none"> <li>• Plantation done till 2020-21 is 6042 nos. in 5.9 ha.</li> <li>• Plantation done in 2021-22 is 503 in 0.5 ha.</li> <li>• Plantation done in 2022-23 is 150 in 0.37 ha.</li> <li>• Plantation done in 2023-24 (upto Sept) is 50 in 0.03 ha.</li> </ul>
10	<p>Dimension of the retaining wall at the toe of over burden dumps and OB benches within the mine to check run-off and siltation shall be based on the rain fall data.</p>	<p>Complied with. Retaining walls constructed having dimension of 150mX1mX2m and 150m.</p>
11	<p>Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM<sub>10</sub> and PM<sub>2.5</sub> such as haul road, loading and unloading point and transfer points. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.</p>	<p>Complying with. Water Sprinkling is done on haul road, loading and unloading point to maintain Ambient Air Quality parameters.</p>

12	Regular monitoring of the flow rate of the springs and perennial nallahs flowing in and around the mine lease shall be carried out and records maintained. Regular monitoring of water quality upstream and downstream of water bodies shall be carried out and record of monitoring data should be maintained and submitted to the Ministry of Environment, forest & Climate Change, its regional Office, Lucknow, Central Groundwater Authority, Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board.	There are no water bodies inside and near the lease area.
13	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year-pre-monsoon (April-May), monsoon (August), Post-monsoon (November) and winter (January) and the data thus collected may be sent regularly to Ministry of Environment, Forest & Climate Change and its Regional Office, Lucknow, Central Ground Water Authority and Regional Director, Central Ground Water Board.	Ground water is not withdrawal from the lease area for mining purposes. Rainwater accumulated in mine sump is used for sprinkling on haul roads and plantation purposes. Mining activities do not intersect the GW table.
14	The critical parameters such as PM <sub>10</sub> (size less than 10 micrometer), PM <sub>2.5</sub> (size less than 2.5 micrometer), NO <sub>x</sub> in the ambient air within the impact zone, peak particle velocity at 300m distance or within the nearest habitation, whichever is closer shall be monitored periodically. Further, quality of discharged water shall also be monitored [TDS, DO, PH and total Suspended Solids (TSS)]. The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the Company in public domain. The circular No. J-20012/2006-IA.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest & Climate Change, which is available on the website of the Ministry <a href="http://www.envfor.nic.in">www.envfor.nic.in</a> shall also be referred in this regard for its compliance.	Complying with.  Ambient air quality-monitoring is being carried out by NABL recognized lab and report is attached in Annexure-1.  The monitored data is displayed on a display board at the project site near lease boundary in public domain.
15	Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> & NO <sub>x</sub> monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board. Data on ambient air quality should be regularly submitted to the Ministry including its Regional Office located at Lucknow and the State Pollution Control Board/Central Pollution Control Board once in six months.	Complying with.  Ambient air quality-monitoring stations have been set up in Core Zone & Buffer Zone. Regular monitoring has been carried out. Results are within the standards and being submitted to Regulatory Agencies.
16	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.	Complying with.
17	Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be	Measures are taken for control of ambient noise levels. Workers are provided with all the necessary Personal Protective Equipment such as

	provided with ear plugs/muffs.	Helmet, Nose Mask, Safety Shoes etc.
18	Industrial wastewater (workshop and wastewater from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 <sup>th</sup> May, 1993 and 31 <sup>st</sup> December, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.	Not applicable There is no industrial wastewater generated from mines operation.
19	Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.	Complying with. PPEs have been provided to all workmen and employees.
20	Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	Complying with. Regular medical check-up of the workers is conducted and no contractions due to exposure to dust has been observed.
21	A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.	Complied with. Separate environmental management cell with suitable qualified personnel and headed by Senior Executive is already set up.
22	The funds earmarked for environmental protection measures should be kept in separate accounts and should not be diverted for other purposes. Year wise expenditure should be reported to the Ministry and its Regional Office located at Lucknow.	Complying with.
23	The project authorities should inform to the Regional Office located at Lucknow regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Complied with.
24	The regional office of this Ministry located at Lucknow shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officers) of the regional Office by furnishing the requisite data/information/monitoring reports.	Noted & agreed.
25	The Project Proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment, Forest & Climate Change, and its Regional Office, Lucknow, Central Pollution Control Board and State Pollution Control Board.	Complying with. Six Monthly compliance report is being submitted to the MOEF &CC, CPCB and RSPCB.
27	A copy of clearance letter will be marked to concerned Panchayat/local NGO, if any, from whom suggestion/representation has been received while processing the proposal.	Complied
28	State Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industry Centre and Collector's office/Tehsildar's Office for 30 days.	Complied
29	The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at website of the Ministry of	Complied with. The advertisement has been published in two local newspapers.  Rajasthan Patrika on 07.07.2015 Dainik Bhaskar on 07.07.2015

	Environment, Forest & Climate Change at <a href="http://envfor.nic.in">http://envfor.nic.in</a> and a copy of the same should be forwarded to the Regional Office of this Ministry located at Lucknow.	
<b>30</b>	The Ministry or any other Competent Authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	Agreed.
<b>31</b>	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.	Agreed.
<b>32</b>	The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/High Court of Rajasthan and any other Court of Law relating to the subject matter.	Agreed.
<b>33</b>	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Agreed.



Report No. 20230617016/A

Report Issue Date: - 29.06.2023

### TEST REPORT

1. Name of Customer : M/s J.K. White Cement Works,  
Gotan, (Unit of J.K. Cement Ltd.),  
China Clay Mines (ML No.27/92)  
Village-Kanthariya, District – Chittorgarh,  
State- Rajasthan (INDIA),
2. Purchase Order Number : 4600093209 Dated:- 13.06.2023
3. Date & Time of Monitoring : 15.06.2023/02:10PM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 17.06.2023
7. Period of Analysis : 17.06.2023 to 28.06.2023
8. Name of Location : Mine Site (ML No. 27/92) Core Zone
9. Method of Sampling : IS: 5182(Part 2,6,23) & Instrument Manual

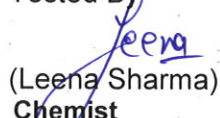
S. No	Monitoring Details	Unit	Results
1.	Duration of Survey	Minutes	1436
2.	Average Flow rate for PM <sub>10</sub>	M <sup>3</sup> / Min	1.135
3.	Ambient Temperature	°C	34.6
4.	Relative Humidity	%	56

#### Results Ambient Air Quality

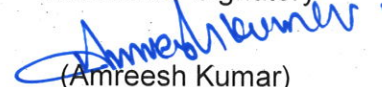
S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 <sup>th</sup> Nov. 2009
<b>Chemical Testing - Atmospheric Pollution - Ambient Air</b>					
1.	PM <sub>10</sub>	IS:5182 (Part-23)	µg/m <sup>3</sup>	65.36	100
2.	PM <sub>2.5</sub>	WIL/SOP No. 10/25 Issue date 01.05.2019	µg/m <sup>3</sup>	33.14	60
3.	SO <sub>2</sub>	IS:5182 (Part-2)	µg/m <sup>3</sup>	BDL(<6)	80
4.	NO <sub>2</sub>	IS:5182 (Part-6)	µg/m <sup>3</sup>	13.15	80

BDL- Below Detection Limit

Tested By

  
(Leena Sharma)  
Chemist

Authorized Signatory

  
(Amreesh Kumar)

Lab Incharge

Environmental & Chemical Laboratory  
**Wolkem India Limited**  
E-102, M.I.A., UDAIPUR (Rajasthan)

#### Note

1. Complaint Register is available in lab / Email ID [lab.office@wolkem.com](mailto:lab.office@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 after 15 days from the date of issue of test certificate unless otherwise specified.
5. Any discrepancy in test results should be reported within 15 days.

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End of Report

Registered & Corporate Office :

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

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

CIN- U29299RJ1971PLC001379



TC-5941

Our Commitment.. Your Trust

Report No. 20230617016/B

Report Issue Date: - 29.06.2023

**TEST REPORT**

1. Name of Customer : M/s J.K. White Cement Works,  
Gotan, (Unit of J.K. Cement Ltd.),  
China Clay Mines (ML No.27/92)  
Village-Kanthariya, District – Chittorgarh,  
State- Rajasthan (INDIA),
2. Purchase Order Number : 4600093209 Dated:- 13.06.2023
3. Date & Time of Monitoring : 15.06.2023/02:10PM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 17.06.2023
7. Period of Analysis : 17.06.2023 to 28.06.2023
8. Name of Location : Mine Site (ML No. 27/92) Core Zone
9. Method of Sampling : Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	34.6
2.	Relative Humidity	%	56

**Results Ambient Air Quality**

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

BDL- Below Detection Limit

Tested By

(Leena Sharma)  
Chemist

Authorized Signatory

(Amresh Kumar)

Lab Incharge

Environmental & Chemical Laboratory  
**Wolkem India Limited**  
E-102, M.I.A., UDAIPUR (Rajasthan)

**Note**

1. Complaint Register is available in lab / Email ID [lab.office@wolkem.com](mailto:lab.office@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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End of Report

Registered &amp; 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. 20230617017/A

Report Issue Date: - 29.06.2023

**TEST REPORT**

1. **Name of Customer** : M/s J.K. White Cement Works,  
Gotan, (Unit of J.K. Cement Ltd.),  
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Village-Kanthariya, District – Chittorgarh,  
State- Rajasthan (INDIA),
2. **Purchase Order Number** : 4600093209 Dated:- 13.06.2023
3. **Date & Time of Monitoring** : 15.06.2023/03:55PM
4. **Sample Identification** : Air Sample
5. **Condition of Sample** : Sealed/Ok
6. **Sample Received On** : 17.06.2023
7. **Period of Analysis** : 17.06.2023 to 28.06.2023
8. **Name of Location** : Near Vilage Raghunathpura (ML No. 27/92)  
Buffer Zone
9. **Method of Sampling** : IS: 5182(Part 2,6,23) & Instrument Manual

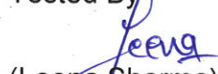
S. No	Monitoring Details	Unit	Results
1.	Duration of Survey	Minutes	1433.3
2.	Average Flow rate for PM <sub>10</sub>	M <sup>3</sup> / Min	1.17
3.	Ambient Temperature	°C	34.1
4.	Relative Humidity	%	53

**Results Ambient Air Quality**


S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 <sup>th</sup> Nov. 2009
<b>Chemical Testing - Atmospheric Pollution - Ambient Air</b>					
1.	PM <sub>10</sub>	IS:5182 (Part-23)	µg/m <sup>3</sup>	51.04	100
2.	PM <sub>2.5</sub>	WIL/SOP No. 10/25 Issue date 01.05.2019	µg/m <sup>3</sup>	25.64	60
3.	SO <sub>2</sub>	IS:5182 (Part-2)	µg/m <sup>3</sup>	BDL(<6)	80
4.	NO <sub>2</sub>	IS:5182 (Part-6)	µg/m <sup>3</sup>	11.43	80

BDL- Below Detection Limit

Tested By

  
(Leena Sharma)  
Chemist

Authorized Signatory

  
(Amreesh Kumar)  
Lab Incharge

Environmental & Chemical Laboratory  
**Wolkem India Limited**  
E-102, M.I.A., UDAIPUR (Rajasthan)

**Note**

1. Complaint Register is available in lab / Email ID [lab.office@wolkem.com](mailto:lab.office@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 after 15 days from the date of issue of test certificate unless otherwise specified.
5. Any discrepancy in test results should be reported within 15 days.

Page 1 of 1

End of Report

Report No. 20230617017/B

Report Issue Date: - 29.06.2023

**TEST REPORT**

1. Name of Customer : M/s J.K. White Cement Works,  
Gotan, (Unit of J.K. Cement Ltd.),  
China Clay Mines (ML No.27/92)  
Village-Kanthariya, District – Chittorgarh,  
State- Rajasthan (INDIA),
2. Purchase Order Number : 4600093209 Dated:- 13.06.2023
3. Date & Time of Monitoring : 15.06.2023/03:55PM
4. Sample Identification : Air Sample
5. Condition of Sample : Sealed/Ok
6. Sample Received On : 17.06.2023
7. Period of Analysis : 17.06.2023 to 28.06.2023
8. Name of Location : Near Vilage Raghunathpura (ML No. 27/92)  
Buffer Zone
9. Method of Sampling : Instrument Manual

S. No	Monitoring Details	Unit	Results
1.	Ambient Temperature	°C	34.1
2.	Relative Humidity	%	53

**Results Ambient Air Quality**

S. No	Parameters	Test Method	Unit	Results	NAAQS (CPCB Norms) New Delhi dt. 18 <sup>th</sup> Nov. 2009
<b>Chemical Testing - Atmospheric Pollution - Ambient Air</b>					
1.	CO	BY CO Meter	mg/m <sup>3</sup>	0.30	04 (1 hour)

BDL- Below Detection Limit

Tested By

*(Leena Sharma)*  
Chemist

Authorized Signatory

*(Amreesh Kumar)*  
Lab Incharge

Environmental & Chemical Laboratory  
**Wolkem India Limited**  
E-102, M.I.A., UDAIPUR (Rajasthan)

**Note**

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Page 1 of 1  
End of Report





Report Issue Date: 29.06.2023

## TEST REPORT

1. Name of Customer : M/s J.K. White Cement Works,  
Gotan,(Unit of J.K. Cement Ltd.),  
China Clay Mines (ML No.27/92)  
Village-Kanthariya,District – Chittorgarh,  
State- Rajasthan (INDIA),
2. Purchase order Number : 4600093209 Dated:- 13.06.2023
3. Date of Monitoring : 16.06.2023
4. Sample Identification : Noise Sample
5. Condition of Sample : NA
6. Sample Received On : 17.06.2023
7. Period of Analysis : NA
8. Test Methods Reference : IS: 9989– 1981 (Reaffirmed 2014)

### Noise Level Monitoring Results

S. No	Station Point	Report No.	Sound pressure Level dB Day Time		Sound pressure Level dB Night Time	
			Maximum	Minimum	Maximum	Minimum
1.	Mine Site (ML No.27/92) Core zone	20230617018	68.1	62.7	60.4	52.7
2.	Near Village Raghunathpura (ML No. 27/92) Buffer Zone	20230617019	58.4	50.3	52.6	44.8

### 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)  
Lab Incharge

Environmental & Chemical Laboratory  
**Wolkem India Limited**  
E-102, M.I.A., UDAIPUR (Rajasthan)

### Note

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Page 1 of 1  
End of Report



**Rajasthan State Pollution Control Board**  
4, Institutional Area, Jhalana Doongri, Jaipur (Raj.) - 302 004

**Result of Ambient Noise Level Monitoring**

**DATE OF RECEIPT : 30/10/2023**

**MONITORED BY : Bhupendra Kumar Soni, SSO, Chittorgarh**

S.No.	Lab Sample No	Name of Industry / Place	Point of Collection / Location	Date of Monitoring	Noise Level In Day Time(Leq dB(A))	Noise Level In Night Time(Leq dB(A))
1	7351	J. K. White Cement Works, Kantharia Tehsil: Chittorgarh District: Chittorgarh	Ambient noise level monitoring near mine office	27/10/2023	54.3	ND



**BOARD ANALYST**

Rajasthan State Pollution Control Board

\* ND = Not Done



Rajasthan State Pollution Control Board  
4, Institutional Area, Jhalana Doongri, Jaipur (Raj.) - 302 004  
Result of Ambient Noise Level Monitoring

DATE OF RECEIPT : 30/10/2023

MONITORED BY : Bhupendra Kumar Soni, SSO, Chittorgarh

S.No.	Lab Sample No	Name of Industry / Place	Point of Collection / Location	Date of Monitoring	Noise Level In Day Time(Leq dB(A))	Noise Level In Night Time(Leq dB(A))
1	7352	J. K. White Cement Works,Kantharia Tehsil:Chittorgarh District:Chittorgarh	Ambient noise level monitoring near Mine pit	27/10/2023	51.9	ND



**BOARD ANALYST**

Rajasthan State Pollution Control Board

\* ND = Not Done

**FORM - X**  
**RAJASTHAN STATE POLLUTION CONTROL BOARD**  
**REPORT OF THE STATE BOARD ANALYST**  
**(See Rule - 10)**  
**Final Report**

Report No. : **7353**

Report On : **31/10/2023**

I hereby certify that I **Bhupendra Kumar Soni**, State Board Analyst duly appointed under sub Section(2) of Section 29 of the Air (Prevention & Control of Pollution) Act, 1981 received on the 30/10/2023 from **Bhupendra Kumar Soni, SSO, Chittorgarh ,RSPCB Chittorgarh** a sample of Ambient Air Quality of **M/S J. K. White Cement Works , Plant - JK White Cement Works (Crusher 65 TPH ML 2792 Within Lease Area) [23258] ,JK White Cement Works, China Clay Mines ML-27/92, Kantharia , City- Kantharia Tehsil- Chittorgarh , District- Chittorgarh M.L No- 27/92** Collected from **AAQM Near Mine Office** Collected on **17/10/2023**. The Sample was in a condition fit for analysis as reported below :-

I further certify that I have analyzed the aforementioned sample on **31/10/2023** and declare the result of the analysis to be as below :-

S. No.	Parameters	Result
1	Nitrogen Dioxide as NO <sub>2</sub> µg/M <sup>3</sup>	19.6
2	Particulate Matter (PM <sub>10</sub> ) µg/m <sup>3</sup>	80
3	Sulphur Dioxide as SO <sub>2</sub> ug/m <sup>3</sup>	6.2

The condition of the seals, fastening and container on receipt was as follows : **Intact**

Signed This On **31/10/2023**

  
**BOARD ANALYST**

Rajasthan State Pollution Control Board  
Regional Office Chittorgarh  
Near FCI Godown, Chanderia, Chittorgarh  
Phone:01472-255077



**FORM - X**  
**RAJASTHAN STATE POLLUTION CONTROL BOARD**  
**REPORT OF THE STATE BOARD ANALYST**  
**(See Rule - 10)**  
**Final Report**

Report No. : **7354**

Report On : **31/10/2023**

I hereby certify that I **Bhupendra Kumar Soni**, State Board Analyst duly appointed under sub Section(2) of Section 29 of the Air (Prevention & Control of Pollution) Act, 1981 received on the 30/10/2023 from **Bhupendra Kumar Soni, SSO, Chittorgarh ,RSPCB Chittorgarh** a sample of Ambient Air Quality of **M/S J. K. White Cement Works , Plant - JK White Cement Works (Crusher 65 TPH ML 2792 Within Lease Area) [23258] ,JK White Cement Works, China Clay Mines ML-27/92, Kantharia , City- Kantharia Tehsil- Chittorgarh , District- Chittorgarh M.L No- 27/92** Collected from **AAQM Near Mine Pit** Collected on **27/10/2023**. The Sample was in a condition fit for analysis as reported below :-

I further certify that I have analyzed the aforementioned sample on **31/10/2023** and declare the result of the analysis to be as below :-

S. No.	Parameters	Result
1	Nitrogen Dioxide as NO <sub>2</sub> µg/M <sup>3</sup>	18.4
2	Particulate Matter (PM <sub>10</sub> ) µg/m <sup>3</sup>	75
3	Sulphur Dioxide as SO <sub>2</sub> ug/m <sup>3</sup>	5.6

The condition of the seals, fastening and container on receipt was as follows : **Intact**

Signed This On **31/10/2023**

  
**BOARD ANALYST**

Rajasthan State Pollution Control Board  
Regional Office Chittorgarh  
Near FCI Godown, Chanderia, Chittorgarh  
Phone:01472-255077