

**Kantharia-Mine/EC/Compliance/22-23/****Date:18.05.2022**

To

The Chairman,

Rajasthan State Pollution Control Board,

4, Institutional Area, Jhalana Doongri,

Jaipur - 302004 (Rajasthan)

**Sub: Environmental Clearance Compliance report Kantharia China Clay Mines, M.L. 01/2001 (Measuring 51.03 Ha.). N/V: Kantharia Tehsil: Chittorgarh, District: Chittorgarh (Rajasthan) owned by M/s J.K. White Cement Works, P.O.-Gotan, District-Nagaur, Rajasthan.**

Ref: EC Letter No. F1(4)/SEIAA/SEAC-Raj/Sectt/Project/Cat.1(a) B2(15529)/2019-20, Dated- 16-03-2021

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 **October'2022 to March'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), [seiaaseiaa2018@gmail.com](mailto:seiaaseiaa2018@gmail.com), [ro.chittorgarh@gmail.com](mailto:ro.chittorgarh@gmail.com).

We hope that the compliance is in order.

Thanking you.

Yours Faithfully

For J. K. Cement Works, Nimbahera

**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 Member Secretary, State Level Environment Impact Assessment Authority, Rajasthan, Main Building, Room No. 5221, Secretariat, Jaipur.



Corporate Office

Padam Tower, 19 DDA Community Centre

Okhla, Phase - I, New Delhi - 110020, India

+011-49220000

admin.padamtower@jkcement.com


www.jkcement.com

Registered Office : Kamla Tower, Kanpur-208001, U.P., India ☎ +91-512-2371478 to 85 ☎ 91-512-2399854 🌐 www.jkcement.com

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Six Monthly Compliance of Environmental Clearance conditions for Kantharia China Clay Mines, M.L. 01/2001 (Measuring 51.03 Hectares). N/V: Kantharia Tehsil: Chittorgarh, District: Chittorgarh (Rajasthan) owned by M/s J.K. White Cement Works, P.O.-Gotan, District-Nagaur, Rajasthan 342902, for the **Period of October 2022 to March 2023** as per EIA Notification 2006 **EC Letter No. F1(4)/SEIAA/SEAC-Raj/Sectt/Project/Cat.1(a) B2(15529)/2019-20**, Dated- 16-03-2021

S. No.	A. SPECIFIC CONDITIONS	COMPLIANCE STATUS
(1)	In case the project falls within a distance of 10 km from the boundary of National Park/Wildlife Sanctuary, wherein final ESZ notification has not been notified so far, Ec shall come onto effect only after the PP obtains clearance from the Standing Committee of National board for Wildlife(SCNBWL) as per OM dated 08-08-2019 of MoEF & CC.	The area does not fall in 10 km radius of National Park/Sanctuary.
(2)	This EC granted for mining of the mineral with production mentioned in the above table subject to the stipulation that the PP shall abide by the annual/permitted production schedule specified in the mining plan and that any deviation therein will render the PP liable for legal action in accordance with Environment and Mining Laws.	Complying with. Noted and agreed that this Environment Clearance granted for the production of china clay within stipulated quantity i.e.102000 TPA from ML 01/2001 which will not be exceeded. During the period from Oct 22 to March 23 only 4.0 MT production done.
(3)	The PP shall obtain Consent to Establish and Operate from the Rajasthan State Pollution Control Board under the provisions of the water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution ) Act 1981, before carrying out mining activity	Complied with. Consent to operate has been obtained from RSPCB vide letter No. F(Mines)/Chittorgarh (Chittorgarh/4019 (1)/2016-2017/607-611 Dated 14-06-2021.
(4)	The PP shall comply with the provisions of the Mines and Minerals (Development and Regulation)Act, 1957 and the rules made there under.	Agreed
(5)	As Stated by the PP, the total water requirement for the project shall be limited as mentioned above, Necessary permission for withdrawal of ground water, if required shall be taken from CGWA.	Complying with. Water requirement for the mining project is within 7 KLD which sourced from mine sump and nearby PHED. Ground water withdrawal is not done.
(6)	The PP shall invest the amount mentioned above towards annual cost for implementing the Environment management Plan.	Environment management Plan is being implemented.

(7)	<p>The amount of CER as mentioned above shall be spent for socio economic up-liftmen activities of the area particularly in the field of education, health, Sanitation and other need based social activities in the nearby area of the mining lease, such as improvement of the infrastructure of government schools etc. and as per the OM dated 01.05.2018 MoEF &amp; CC. This amount should be effectively utilized and reflected in the books of accounts. Relevant report of the same should be made a part of social monitoring and six monthly compliance reports should be submitted to RSPCB, SEIAA and Regional office of the MoEF &amp; CC.</p>	<p>Complied with. We are committed to up lift the Socio economic condition to the nearby society.</p> 
(8)	<p>The Mining operation shall not intersect groundwater table. In cases of mining of other than river sand mining, below ground water table, prior approval of the Central Ground Water Authority shall be obtained.</p>	<p>Mining operation does not intersect the Ground water table. The depth of water table is 48 meters from ground level. The ultimate depth of mining will be 26 meters and the present depth of mining is 24 meter from ground level.</p>
(9)	<p>The PP shall construct Rain Water Harvesting Structure and Artificial Recharge Structure in the lease area as also implement other/suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, CGWB</p>	<p>Complied with. We have constructed one rainwater harvesting pit inside the lease area to augment the ground water resources in the area.</p>
(10)	<p>Occupational health and safety of mine labour shall be given the highest priority.</p>	<p>Occupational health and safety of mine labor is given highest priority.</p>
(11)	<p>Budgetary provision, as mentioned above for the labors working in the mine, for all necessary infrastructure facilities such as health facility, Sanitation facility, fuel for cooking, along with safe drinking water, medical camps, and toilets for women crèche for infants should be made and submitted to RPCB Jaipur at the time of CTE/CTO&gt; The housing facilities and Group Insurance should be provided for mining labours.</p>	<p>Complied with</p>
(12)	<p>Topsoil shall be stacked temporarily at the earmarked sites only and it should not be kept unutilized for a period more than three years, it should be used for land reclamation and plantation in mined out area.</p>	<p>Complied with. Topsoil is being properly stacked with adequate protection measures near mines office at earmarked site and it is utilized for plantation purpose. Top soil will be utilized for reclamation and rehabilitation of mined out area.</p>
(13)	<p>The Project Proponent shall ensure that no natural water course/ water body is obstructed due to any mining operations.</p>	<p>No water body / water course obstruct due to mining operations.</p>

(14)	The waste should be dumped at the designated site as per approved Mining Plan on non-mineralized land within lease area at the land provided by district authority or occupied by the lessee/STP/Quarry license holder. The height of the dump shall be as per the approved mining plan and toe of the dump should have retaining wall.	Complying with. Waste generated is dumped at designated site according to approved mining plan on non-mineralized area. There are 02 numbers of waste dumps in the lease area, one is active and another one has been stabilized by plantation. The height of dumps is as per approved mining plan and retaining wall provided at toe of the dumps.
(15)	The bench height, Width and slope shall be maintained as per the MMR 1960 or the DGMS approval.	Complied with. The bench height, width and slope is being maintained as per the MMR 1961 according to DGMS approval.
(16)	Garland drains; settling tanks and check dams of appropriate size, gradient and length shall be constructed both around the mine pit and over burden dumps 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 pits, which should be constructed at the corners of the garland drains and de-silted.	Complied with. Garland drains settling tanks and check dams of appropriate size gradient and length have been constructed. Garland drains and sufficient sump capacity has been maintained keeping in mind the 50% safety margin over and above peak sudden rainfall and maximum discharge in the area adjoining the mine site.  The water collected is being utilized for plantation and sprinkling on haul roads.
(17)	Drills shall either be operated with dust extractors or equipped with water injections system.	Complying with. Drilling is not required for this mining project.
(18)	As envisaged, plantation shall be raised in an area of 33% of total area including green belt in the safety zone around the mining lease by planting the native species around ML area. OB dumps, Backfilled and reclaimed around water body, roads etc. or outside lease area in consultation with the Gram Panchayat or Forest Department in the coming rainy season.	Complied with. Plantation is being done regularly within and outside the ML area. The plants of various species are planted in consultation with the Gram Panchayat. Plantation has been done on waste dump, along roads, along lease boundary, in Office area and in non -mineralized area. Till the 2020-21 total plantation done 10076 nos. in 10 ha. And in 2021-22 380 nos. sapling in 0.4 ha. We have also planted 1050 nos. of plants at Central School and new court premises in Chittorgarh. We are committed to carry out plantation in the lease area as per approved mining plan. Apart from this, the company is also supplying saplings at free of cost to local residents in the surrounding area during rainy season.
(19)	Regular water sprinkling should be carried out in critical areas prone to air pollution and having high levels of SPM and RSPM such as haul roads, loading and unloading points and	Complying with. Haul roads regularly graded and compacted & regular water sprinkling done on haul roads, loading and unloading points to minimize dust generations.

	transfer points. It should be ensured that the Ambient Air Quality parameters conform to the standards prescribed by the MoEF & CC.	Ambient Air Quality parameters monitored by NABL recognized lab.
(20)	Data on ambient air quality and stack emissions should be submitted to Rajasthan State Pollution Control Board once in six months carried out by MOEF/NABL/CPCB/RSPCB/Government approved lab.	Complying with. AAQ Monitoring report is enclosed as <b>Annexure-I</b> .
(21)	Blasting operation should be carried out only during the daytime with safe blasting parameters.	Complied with. Blasting Operation is not required for this Project.
(22)	The project Proponent shall take all due care to protect the existing flora and fauna. Utmost precaution shall be taken to conserve wildlife.	All the precautionary measures have been taken to conservation of flora & fauna.
(23)	The PP shall carry out mining activities with open cast method.	Complying with.
(24)	In the project related to Bajri mining the PP shall follow the Sustainable Sand Mining Guidelines 2016 laid down by the MOEF & CC. GOI. The Bajri Sand mining activity is restricted to three meters from the ground level or water level whichever is less and the PP shall carry out river sand (Bajri) Mining activity manually/ semi mechanized as provided under the Sustainable sand mining Management Guidelines, 2016	Not applicable
(25)	The PP shall comply with the guidelines issued by the MOEF & CC/CPCB/RSPCB, from time to time with respect to stone crushing units if installed in the lease area.	Noted and Agreed

Additional Specific Conditions Recommended for Environment Clearance for the Cluster:

(1)	The PP shall implement Environment Management Plan for the cluster as also Regional Environment Management Plan including all the clusters in that contiguity.	Not Applicable
(2)	Provide for mobilization of funds from the Project Proponents (of lease/LOI holders of cluster) in predetermined proportions for implementation of cluster Environment Management Plan	Not applicable
(3)	Update cluster EIA for EMP plan as per need, keeping in view any significant change in the	Not applicable

	cluster.	
(4)	A detailed calendar plan of production along with plan for OB dumping, backfilling, reclamation and final mine closure plan for each mine in the cluster shall be drawn up and implemented in accordance with the approved mining plan.	Not applicable
(5)	The PP shall ensure that the measures suggested in the Environment Management Plan for mitigation of adverse Environmental impact are implemented in a time bound manner by the lease/LOI holders of cluster, in consonance with the cluster EIA & EMP. Besides, the mitigation measures for entire cluster shall be got implemented as delineated in the cluster EIA & EMP in synchronization with individual EC.	Not applicable
(6)	All the mining lease/LOI holders of cluster shall implement the measures for mitigation of adverse impacts on the environment & its constituents, as per the Environment clearance and additional measures specified in the Environment Management Plan with respect to the individual mines.	Not applicable
(7)	Submit report of compliance of Environment Management Plans, every six months, to SEIAA, for the purpose of monitoring of the compliance.	Not applicable

Additional Specific Environment Clearance Conditions for the individual lease/LOI holders in the Cluster: -

(1)	The PP/lessee of the mine in the cluster shall abide by the mitigation and restoration measures provided in the final Environment Impact Assessment and Environment Management Plan prepared for the cluster as a whole (Cluster Shishwi Ki Dhani, Village Shishwi Ki Dhani, Tehsil: Nathdwara, District: Rajsamand (Raj.), consisting of 1 leases & 2 LoIs for mineral Quartz and Feldspar in the cluster area 10.0613 ha and production capacity 532386 TPA (ROM).	Not Applicable
(2)	The PP/lessee shall comply with the conditions of Environment clearance for the cluster,	Not applicable



	comprising the said Mining lease/Lol ( Cluster Shishwi Ki Dhani, Village Shishwi Ki Dhani, Tehsil: Nathdwara, District: Rajsamand (Raj.), consisting of 1 lease & 2 Lols for mineral Quartz and Feldspar in the cluster area 10.0613 ha and production capacity 532386 TPA (ROM), as applicable mutatis mutandis.	
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Additional conditions recommended in view of OM dated 08.08.2019 of the MoEF & CC (applicable where the project falls within a distance of 10 Km from the boundary of National Park/ Wildlife Sanctuary and outside notified ESZ):

1	The mining activity should be carried out in a manner so that the water regime/system of the sanctuary is not disturbed. The mining activity should not adversely affect any existing water course, water body, catchment etc. The PP shall while carrying out mining activity ensure compliance of the provisions of Air (Prevention and Control of Pollution) Act 1981, Water (Prevention and Control of Pollution) Act 1974 and the Environment (Protection) Act, 1986 so that the wildlife in the area is not adversely affected.	<i>Not applicable</i>
2	The processes like blasting, drilling, excavation, transport and haulage resulting into noise, should be carried out in such as manner so that such activities do not disturb wild animals and birds particularly during sunset to sunrise. The level of noise should be kept within the permissible limits.	<i>Not applicable</i>
3	The mining activity should not create any obstacle in the way of free movement of wildlife and adversely affect wildlife corridors.	<i>Not applicable</i>
4	The mineral waste/ slurry should be dumped only at the designated places only and such waste dumps should be reclaimed in accordance with the conditions of the mining plan/ consent issued by the RSPCB under the Water and Air Act.	<i>Not applicable</i>
5	The PP shall cooperate with the concerned DCF, Wildlife in their efforts towards protection and conservation of wildlife in the Sanctuary/ Park.	<i>Not applicable</i>
6	The PP shall ensure that the transporter and labor employed by him should not damage flora and fauna in the ESZ and the Wildlife Sanctuary/ National Park.	<i>Not applicable</i>

Specific Conditions applicable, in the cases of violation in terms of the Notification dated 14.3.2017 and 8.3.2018 and OMs dated 30.5.2018, 4.7.2018 of the MoEF&CC:

1	The PP shall give an undertaking by way of affidavit to comply with all the statutory requirements and judgment of the Hon'ble-Supreme Court dated 02.08.2017 in the matter of Writ Petition (Civil) No. 114 of 2014, Common Cause V/s Union of India & others before grant of ToR/EC. The undertaking inter-alia include commitment of the PP not to be repeat any such violation in future.	Not applicable
2	In case of violation of above undertaking/ affidavit, the ToR/EC shall be liable to be terminated forthwith.	Not applicable
3	The environmental clearance will not be operational, till such time the Project Proponent complies with all the statutory requirements and judgment of the Hon'ble Supreme Court dated 02.08.2017 in the matter of Writ Petition (Civil) No. 114 of 2014, Common Cause V/s Union of India & others.	Not applicable
4	The department of Mines & Geology shall ensure that the mining operations shall not commence till the entire compensation levied, if any, for illegal mining, is paid, by the Project Proponent through the Department of Mines and Geology, in strict compliance of the judgment of the Hon'ble Supreme Court-dated 02.08.2017 in the matter of Writ Petition (Civil) No. 114 of 2014, Common Cause V/s Union of India & others.	Not applicable

#### **B. General Conditions**

(1)	That the grant of this EC is issued from the environmental angle only and does not absolve the project Proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force rests with the industry/unit/project proponent. Any appeal against this environmental clearance shall lie	Noted and Agreed
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	with the national Green tribunal Act,2010	
(2)	No further expansion or modifications in the project shall be carried out without prior approval of the SEIAA/Ministry of Environment and Forest as the case may be. In case of deviations or alterations in the project proposal from those submitted to this Authority for clearance a fresh reference shall be made to the Authority to assess the adequacy of conditions imposed and to add additional environment protection measures, if any.	Complied with.  At present there are no proposal for expansion, if any prior permission will be obtained.
(3)	The implementation of the project vis-à-vis environmental action plans shall be monitored by MoEF Regional office at Lucknow /RSPCB/CPCB/SEIAA. Department of Environment Government of Rajasthan, Jaipur and this office. A six monthly compliance status report shall be submitted to monitoring agencies.	Complied with.  Six monthly compliance status report is being submitted to regulatory body.
(4)	The EC is liable to be rejected in case it is found that the PP has deliberately concealed and furnished false and misleading information or data which is material to screening or scoping or appraisal or decision on the application for EC	Agreed
(5)	The project authority shall inform the MoEF Regional office at Lucknow /RSPCB/CPCB/SEIAA, Department of Environment Government of Rajasthan Jaipur and the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Complied with.
(6)	Officials from the Department of Environment Government of Rajasthan, Jaipur/Regional office of MoEf, Lucknow, RSPCB who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to SEIAA should be forwarded to the CCF, Regional office of MoEF, Lucknow /SEIAA, Department of Environment, Government of Rajasthan, Jaipur/RSPCB.	Being followed.

(7)	The authority reserves the right to add additional safeguard measures subsequently, if found necessary and to take action including revoking of the environment clearance under the provision of the Environment (Protection) Act 1986 to ensure effective implementation of the suggested safe guard measures in a time bound and satisfactory manner.	Agreed
(8)	The Project Proponent should advertise in at least two local newspapers widely circulated in the region one of which shall be in the vernacular language informing that the project has been accorded environment clearance and copies of clearance letters are available with the Rajasthan State pollution control Board and may also be seen on the website of the RSPCB. The advertisement should be made within 7 days from the day of issue of the clearance letter and a copy of the same should be forwarded to the Regional office of MoEF at Luck now/Department of Ecology and Environment, Government of Rajasthan, Jaipur.	Complied with. Advertisement of Environment Clearance published in Rajasthan Patrika & Dainik Bhaskar on 20-03-2021.
(9)	The above condition shall be enforced among others under the provisions of water (Prevention and Control of Pollution) Act 1974 the air (Prevention and control of Pollution) Act. 1981 the Environment (Protection) Act 1986, the Public Liability (Insurance) Act 1991 and EIA Notification 2006 along with their amendments and rules	Complying with.
(10)	The PP shall obtain prior clearance form forestry and wild Life angle including clearance from standing committee of National Board of Wild Life (if applicable). It is further categorically stated that grant of EC does not necessary imply that Forestry and Wild Life clearance shall be granted to the project and that proposals for forestry and wild Life clearance will be considered by the respective authorities on their merits and decision taken. The investment made in the project, if any based on EC so granted, in anticipation of clearance form Forestry and Wild Life angle shall be entirely at the cost risk of the PP and MOEF/SEIAA shall not be responsible in this regard in any manner.	Not applicable.

(11)	The SEIAA, Rajasthan may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory	Agreed
(12)	Main haulage road should be provided with permanent water sprinklers and other roads should be regularly wetted with water tankers fitted with sprinklers. The material transfer points should invariably be provided with Bag filters and or dry fogging system. In case of Belt- conveyors facilities the system should be fully covered to avoid air borne dust; Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured	Complying with. Haul roads are regularly graded and compacted, regular water sprinkling is done on haul roads to suppress fugitive dust generations. There is no transfer points and belt conveyors.
(13)	Periodic monitoring of ambient air quality shall be carried out for PM10, PM2.5, SPM, SO2 and NOx monitoring. Location of the stations (minimum 6) shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring shall be decided in consultation with the Rajasthan State Pollution Control Board (RPCB). Six monthly reports of the data so collected shall be regularly submitted to the RPCB/CPCB including the MoEF, Regional office, Lucknow	Complying with. Ambient Air Quality-monitoring stations have been set up in Core and Buffer zone. Regular monitoring of RPM, SPM, SO2 and NOx is being carried out (Refer Annexure-I). Data on ambient air quality is being regularly submitted to the Ministry including its Regional office and the State Pollution Control Board/Central Pollution Control Board once in six months.
(14)	Personnel working in dusty areas shall wear protective respiratory devices they shall also be provided with adequate training and information on safety and health aspects	Complying with. Necessary PPE devices are provided and time to time training about safety & awareness is given to all the workers.
(15)	The ambient noise level should conform to the standards prescribed under E (P) A Rules, 1986 viz 75 dB (A) during day time and 70 dB (A) during night time.	Noise level is maintained within specified limits.
(16)	The PP shall submit an environmental statement for the financial year ending 31st March in Form-V as prescribed under the environment (Protection) Rules, 1986, as amended subsequently on or before the 30th day of September every year, to the Rajasthan State Pollution Control Board/SEIAA and shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Lucknow Regional offices of	Complied with. Environment statement is being submitted to RSPCB/SEIAA and MOEFCC through hard copy & email.

	MoEF/SEIAA by email as well as hard copy duly signed by competent person of company.	
(17)	Mining Department will ensure that while executing the mining lease, if the mine falls in a cluster, then lease will be executed after EIA/EMP study as well as grant of revised EC for the cluster as applicable.	It is an already existing mine which does not fall in cluster.
(18)	The Mining lease holder shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restored the land to a condition which is fit for growth of fodder, flora, fauna etc.	Noted and agreed



# TEAM TEST HOUSE

(Unit of Team Institute of Science & Technology Pvt. Ltd.)



Approved by Ministry of Environment and Forest, Government of India as Environmental Laboratory

RSPCB

ISO 9001:2015,

ISO 14001:2015,

ISO 45001:2018 (OH&S)

JDA/UDH

Office : E-65, Chitrangan Marg,  
C-Scheme, Jaipur - 302001, Rajasthan  
Phone : +91 6377210064, 9414077379,  
Website : www.teamtesthouse.com  
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,  
Sitapura, Jaipur - 302022, Rajasthan  
Phone : +91 9460222039, 9460222049,  
Email : director@teamtesthouse.com,  
Email : marketinglab@teamtesthouse.com

## TEST REPORT

Report No./ULR No. :	TC502522400003308	Date :	19-11-2022
Issued To :	M/S J.K. White Cement Works, Gotan (Unit of JK Cement Ltd) China Clay Mines [ M.L.No.- 01/2001) Near Village - Kanthariya , Tehsil - Chittorgarh, Dist. - Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	03-11-2022
Point of Collection :	Mine Site [ML. No. - 01/2001] (Core Zone)	Date of Receipt :	09-11-2022
Date of Test/Analysis :	09-11-2022 to 19-11-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Sunil Kumar Singh	Condition of Sample :	Fit for testing

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	340	TTH/AAQM/08	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	12.57	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Particulate Matter (PM2.5) [microgram/m3]	32.15	IS 5182 (Part 24) : 2019	60.00
4	Sulphur Dioxide [microgram/m3]	5.36	IS 5182 (Part 2) : 2001 RA 2017	80.00
5	Particulate Matter (PM 10) [microgram/m3]	64.33	IS 5182 (Part 23)-2006 RA 2017	100.00

### Notes :-

- # The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred nor implied.
- # This report is not to be reproduced wholly or in part and can not be used evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

Puran Mal Yogi  
Senior Analyst

Rajesh Maheshwari  
Authorized Signatory  
(Report No: TC502522400003308 )





# TEAM TEST HOUSE

(Unit of Team Institute of Science & Technology Pvt. Ltd.)

Approved by Ministry of Environment and Forest, Government of India as Environmental Laboratory

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JDA/UDH

Office : E-65, Chitrangan Marg,  
C-Scheme, Jaipur - 302001, Rajasthan  
Phone : +91 6377210064, 9414077379,  
Website : www.teamtesthouse.com  
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,  
Sitapura, Jaipur - 302022, Rajasthan  
Phone : +91 9460222039, 9460222049,  
Email : director@teamtesthouse.com,  
Email : marketinglab@teamtesthouse.com

## TEST REPORT

Report No./ULR No. :	TC502522600002247	Date :	19-11-2022
Issued To :	M/S J.K. White Cement Works, Gotan (Unit of JK Cement Ltd) China Clay Mines [ M.L.No.- 01/2001) Near Village - Kanthariya , Tehsil - Chittorgarh, Dist. - Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Noise Level Monitoring	Date of Sample Collection/Monitoring :	03-11-2022
Point of Collection :	Mine Site [ML. No. - 01/2001] (Core Zone)	Date of Receipt :	09-11-2022
Date of Test/Analysis :	09-11-2022 to 19-11-2022	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Sunil Kumar Singh	Condition of Sample :	Fit for testing

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Noise Level (Day Time) : Leq [dB(A)]	60.8	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	51.2	IS 9989	65

### Notes :-

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- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

Senior Analyst

Authorized Signatory  
(Report No: TC502522600002247 )



# TEAM TEST HOUSE

(Unit of Team Institute of Science & Technology Pvt. Ltd.)



Approved by Ministry of Environment and Forest, Government of India as Environmental Laboratory

**RSPCB**

**ISO 9001:2015,**

**ISO 14001:2015,**

**ISO 45001:2018 (OH&S)**

**JDA/UDH**

Office : E-65, Chitranjan Marg,  
C-Scheme, Jaipur - 302001, Rajasthan  
Phone : +91 6377210064, 9414077379,  
Website : www.teamtesthouse.com  
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,  
Sitapura, Jaipur - 302022, Rajasthan  
Phone : +91 9460222039, 9460222049,  
Email : director@teamtesthouse.com,  
Email : marketinglab@teamtesthouse.com

## TEST REPORT

Report No./ULR No. :	TC502523400000407	Date :	14-03-2023
Issued To :	M/S J.K. White Cement Works, Gotan (Unit of JK Cement Ltd) China Clay Mines [ M.L.No.- 01/2001) Near Village - Kanthariya , Tehsil - Chittorgarh, Dist. - Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	03-02-2023 15:50 to 04-02-2023 15:50
Point of Collection :	Mine Site [ML. No. - 01/2001] (Core Zone)	Date of Receipt :	28-02-2023
Date of Test/Analysis :	28-02-2023 to 13-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Krashtra Murari
Unit's representative :	Mr Sunil Kumar Singh	Condition of Sample :	Fit for testing

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	370	TTH/AAQM/08	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	14.7	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Particulate Matter (PM2.5) [microgram/m3]	35.31	IS 5182 (Part 24) : 2019	60.00
4	Sulphur Dioxide [microgram/m3]	5.1	IS 5182 (Part 2) : 2001 RA 2017	80.00
5	Particulate Matter (PM 10) [microgram/m3]	73.74	IS 5182 (Part 23)-2006 RA 2017	100.00

Notes :-

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*Balram Malviya*  
Balram Malviya

Senior Analyst

*Balram Aggarwal*  
Balram Aggarwal

Authorized Signatory

(Report No: TC502523400000407 )





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Email : director@teamtesthouse.com,  
Email : marketinglab@teamtesthouse.com

## TEST REPORT

Report No./ULR No. :	TC502523600000317	Date :	14-03-2023
Issued To :	M/S J.K. White Cement Works, Gotan (Unit of JK Cement Ltd) China Clay Mines [ M.L.No.- 01/2001) Near Village - Kanthariya , Tehsil - Chittorgarh, Dist. - Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	03-02-2023 15:52 to 04-02-2023 15:52
Point of Collection :	Mine Site [ML. No. - 01/2001] (Core Zone)	Date of Receipt :	28-02-2023
Date of Test/Analysis :	28-02-2023 to 13-03-2023	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Krashtra Murari
Unit's representative :	Mr Sunil Kumar Singh	Condition of Sample :	Fit for testing

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Noise Level (Day Time ) : Leq [dB(A)]	61.7	IS 9989	75
2	Noise Level (Night Time ) : Leq [dB(A)]	52.2	IS 9989	65

### Notes :-

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- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

Senior Analyst

Authorized Signatory  
(Report No: TC502523600000317 )