

Ref. JKCEMENT/ENV./EC/KONI/2024-25/02/14

Date: 27.05.2024

To,  
Regional Office (WZ),  
Kendriya Paryavaran Bhawan,  
E-5, Arera Colony, Link Road-3, Ravi Shankar Nagar  
BHOPAL – 462 016  
E-Mail: rowz.bpl-mef@nic.in

Subject: **Submission of Half Yearly Environmental Clearance Compliance Status Report for period from October 2023 to March 2024 of Koni-Simariya Limestone Mine of M/s J K Cement Ltd.**

Ref.: 1- Environment Clearance vide no J-11015/80/2020/IA.II(M) dated 01.11.2021.  
2- MoEF & CC notification no. S.O. 5845 (E) 26.11.2018.  
3- Amendment EC File no. J-11015/80/2020/IA.II(M) dated 15/09/2023.

Dear Sir,

With reference to above stated Environment Clearances (ECs) and MoEF & CC notification no. S.O. 5845 (E ) 26.11.2018, we are submitting Half Yearly Environment Clearance Compliance Status Report for period from October 2023 to March 2024 of Koni - Simariya Limestone Mine with total excavation of 9.05 Million TPA (Lime Stone: 5.08 MTPA; Soil: 2.94 MTPA and OB:1.03 MTPA) with Crusher capacity - 1800 TPH in the mine lease area of 3095.23 ha. located at Village(s) - Koni, Boda, Gudha, Maharajganj, Ganiyari, Vanbhai, Simariya, Devri, Pagra & Kuluwa, Tehsil -Simariya, District - Panna, Madhya Pradesh- Environment Clearance (EC) through email, this is for your kind information and record please.

Thanking you,

Yours Sincerely

For: Koni-Simariya Limestone Mine  
(A unit of M/s J K Cement Limited.)



**Kapil Agrawal**  
(Unit Head)

Encl.: Copy of EC Compliance Status Report Soft copy sent by mail to:

1. Member Secretary, MP Pollution Control Board, Paryawaran Parisar, E-5, Arera Colony, Bhopal (MP).
2. Regional Officer, Regional Office, MP Pollution Control Board, Makronia, Sagar (MP)
3. Regional Director- CPCB, Paryawaran Parisar, E-5, Arera Colony, Bhopal (MP).
4. Deputy Director General of forest (C), MoEFCC, Integrated Regional Office, Bhopal-462016.
5. The Director, MoEFCC, Indira Paryavaran Bhavan, New Delhi-11003.



Corporate Office

Padam Tower, 19 DDA Community Centre  
Okhla, Phase - 1, New Delhi - 110020, India  
+011-49220000  
admin.padamtower@jkcement.com  
www.jkcement.com

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CEMENT  
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Manufacturing Units at :  
Nimbahera, Mangrol, Gotan (Rajasthan) | Muddapur (Karnataka)  
Jharli (Haryana) | Katni (M.P.) | Aligarh (U.P.) | Balasinor (Gujarat)



**Subject: Half Yearly EC Compliance Report for Period from October 2023 to March 2024 of M/s J K Cement Limited for Koni - Simariya Limestone Mine with total excavation of 9.05 Million TPA (Lime Stone: 5.08 MTPA; Soil: 2.94 MTPA and OB:1.03 MTPA) with Crusher capacity - 1800 TPH in the mine lease area of 3095.23 ha. located at Village(s) - Koni, Boda, Gudha, Maharajganj, Ganiyari, Vanbhai, Simariya, Devri, Pagra & Kuluwa, Tehsil -Simariya, District - Panna, M.P.**

**EC Identification No. EC21A001MP114641, File No. J-11015/80/2020/IA .II(M), Date: 01/11/2021  
Amendment EC File no. J-11015/80/2020/IA .II(M) dated 15/09/2023**

**Specific Condition**

S. No.	EC Conditions	EC Compliances
I.	The budget of Rs. 12.11 Crores to address the concerns raised by the public including in the public hearing to be completed within 3 years from the date of start of mining operations. PP shall comply with all action plans made for public hearing concerns and make regular maintenance and record the progressive activity outcomes.	<b>Complying.</b> Action on concerns raised by the public including in the public hearing is on progress. Our Committed /EAC approved CER total amount: Rs 863.7 Lacs as 1 <sup>st</sup> & 2 <sup>nd</sup> Year budget and we have spent approx. 938.69 Lakh. Record is being maintained. Koni Simariya Mine operation start date is 03.05.2022 and all concerned activities will be completed within time. (CER expenditure is given below.).

S.No	Activities	Expenditure Up to March-2024 (in Lakhs)
1	Health (Health, Check-up, Camp, Sports etc.)	131.53
2	Education (Books, Bags, Stationary etc.)	90.07
3	Sanitation (Domestic water, Toilets etc.)	9.39
5	Infrastructure (Road, Community Centers, etc.)	678.07
6	Other Local Social Need	10.18
7	Agricultural Development and Animal Husbandry	19.45
Total		<b>938.69</b>

**Corporate Environment Responsibility (CER) Expenditure Report of Koni-Simariya Limestone Mine:**

II.	The Project Proponent should implement the Rehabilitation of project affected families (PAFs) and payment of compensation to PAFs as per the policy and guidelines of the Central/State Government, as provided under the law.	<b>Complied.</b> Current mining was undertaken in private land which is directly purchased from the local farmers through mutual negotiation so far 695.06 ha of land is under our possession and is acquired from 586 PAFs, for which compensation of Rs. 191.14 crores is paid. No rehabilitation has been done by us. Balance land is being procured in progressive manner.
III.	The Project Proponent shall undertake the progressive bench plantation up to HFL for eco restoration of water bodies.	<b>Agreed.</b> Currently no progressive benches are available for plantation. Plantation work is undertaken within the lease area along the periphery of mining lease area, Nallah, River, near habitation, approach road and along mine lease boundary in the area which is under our possession.

IV.	<p>Peripheral plantation shall be completed within 6 months from the commencement of mining operation and the plantation in non-mineralized zone, around the water bodies and avenue plantation along the approach roads, Nalla and Habitation shall be completed within 3 years from the commencement of mining operation.</p>	<p><b>Compliance in progress.</b>          Plantation work is undertaken within the lease area, periphery of mining lease area (which is currently under possession of the project proponent) and also along the mine haul road. Currently, 695.06 ha of the mine lease area is acquired by the project proponent and major chunk of mine lease area is proposed to be acquired in a phased manner as per the mining requirements.          5 ha of peripheral greenbelt was developed against the target of 5 ha in 6 months' time period as per the proposal submitted by us during the EIA process.          Further, we have developed plantation in 10.67 ha with 20756 no's saplings in non-mineralized zone, around the water bodies, along the nallah and habitation          Plantation photos are enclosed as given below.</p>
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**Plantation in Mines area**

V.	<p>Plantation to be carried out with the survival rate of not less than 90% by planting 10 ft seedlings. Casualties should be replaced with new saplings every year and should be counted separately other than the total proposed saplings and the data for such saplings should be furnished during six monthly compliance report along with the progressive plantation.</p>	<p><b>Complied.</b>          Plantation work is undertaken within the lease area along the periphery of mining lease area and along the mine haul road with different height trees. Records are being maintained w.r.t. Casualty replacement with new saplings and the same are being submitted to MOEFCC, RO Bhopal through six-monthly compliance reports.          Reports are given below.          Total <b>20756 nos.</b> of plants have been planted upto Mar- 2024 with          1000 nos. - 3' to 5'          9000 nos. - 8' to 10'          10756 nos. – 11' to 12'          Survival rate – 93%          Total Replacement – 1426 Nos.</p>
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**Plantation photo**

VI.	The Project Proponent should collect six monthly data on ambient air quality, noise and ground vibration by installing adequate no. of monitoring station during blasting at the edge of the mine, near the village and school. Additionally, the data should also be collected while using the rock breaker in the mine lease area and the data collected should be submitted to IRO during EC Compliance monitoring.	<p><b>Complied.</b></p> <p>Ambient air quality and noise at the edge of the mine and near the villages are being done. Ambient Air Quality Report and Noise Monitoring reports is enclosed as <b>Annexure No. 1 &amp; 1A</b> respectively. Ground vibrations are continuously being monitored near Boda village and Boda school during every blasting and the results are under permissible limits. Ground Vibration Reports are also enclosed as <b>Annexure No. 2.</b></p>
VII.	The Project Proponent should further augment the Conservation plan by ensuring effective fire protecting measures during the fire season, by constructing the perennial source of drinking water for the wild animals and by undertaking habitat improvement activities to provide camouflage. The conservation plan in consultation with the Forest Department shall be implemented and compliance of the same shall be submitted to IRO of MoEF &CC before 1st July of every year.	<p><b>Compliance on progress.</b></p> <p>We have deposited total amount of Rs. 61.25 Lakhs (For FY 2021-22, 2022-23, 2023-24). Follow up is being done with Forest Deptt. for implementation of WLCP. Approval letter, Demand letter and Amount deposited letter and further follow-up letter are enclosed as <b>Annexure No-3</b></p>
VIII.	The Project Proponent shall ensure that the protection and management of the water bodies should include provision of utilizing available water to the villagers by installing solar pumps as well as PP shall explore the possibility for installing floating solar panels for generation of electricity and distribution of power supply to the villagers.	<p><b>Agreed and will be complied.</b></p> <p>After developing of water bodies, it would be planned. At present mine working pits are not too large to accommodate the water for installation of solar pumps.</p>
IX.	The Project Proponent shall ensure that the water bodies shall be protected by plantation and fencing should be provided outside the plantation for its safety. The natural streams (nalas) passing through the mining lease area shall not be disturbed. Further the streams shall be protected by. creation of bunds on both sides. The Project Proponent should ensure that safety barrier of 250m for River (8.48 ha), The Project Proponent should ensure that safety barrier to be left around Nallah, Canal, Roads, Electric line and dumps should not be less than 100m on both the side.	<p><b>Complied.</b></p> <p>Natural streams is not disturbed in the mining lease area.</p> <p>Plantation is being done in the safety barrier of Nalla and River falling near the working area</p> <ul style="list-style-type: none"> <li>➤ Streams (Nallah) is flowing away from the present working and is not disturbed.</li> <li>➤ Ken river is flowing 1 KM away from working pit.</li> <li>➤ Bunds have been constructed along the nallah and plantation have been done in 0.82 Ha area.</li> <li>➤ Bunds have been constructed along mine pits.</li> <li>➤ No Canal passing through lease area.</li> </ul>



X.	<p>The Project Proponent shall ensure that no blasting activity to be carried out in 500 mts from school and habitation. Transportation activities should be restricted during 30 minutes prior to the school in/out timings for the school and shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z- 11013/57/2014-IAII (M), dated 29th October, 2014.</p>	<p><b>Complied.</b>          Blasting is not being carried out within 500m from school and habitation.          No transportation activities are carried out in /out timing of the school.          Distance between working pit and school/habitation is given below.</p> <table border="1" data-bbox="900 297 1533 582"> <thead> <tr> <th colspan="4">Distance from Mine Pit (meter)</th> </tr> <tr> <th>Pit details</th> <th>Boda School</th> <th>Boda Village</th> <th>Koni Village</th> </tr> </thead> <tbody> <tr> <td>Pit 1</td> <td>516</td> <td>657</td> <td>3624</td> </tr> <tr> <td>Pit 2</td> <td>2310</td> <td>1470</td> <td>1780</td> </tr> <tr> <td>Pit 3</td> <td>2508</td> <td>1656</td> <td>1609</td> </tr> <tr> <td>Pit 4</td> <td>1803</td> <td>958</td> <td>2200</td> </tr> </tbody> </table>	Distance from Mine Pit (meter)				Pit details	Boda School	Boda Village	Koni Village	Pit 1	516	657	3624	Pit 2	2310	1470	1780	Pit 3	2508	1656	1609	Pit 4	1803	958	2200
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XI.	<p>The Project Proponent shall ensure that the water bodies shall be protected by plantation and fencing should be provided outside the plantation for its safety. Wherever the fencing is proposed it should be done preferably by chain link instead of barbed wire. PP shall also ensure that digital technologies such as WiFi enabled cameras will. be installed to monitor and control any unauthorized entry in mining area.</p>	<p><b>Complied.</b>          A seasonal nallah is flowing more than 300 m away from the present working and is not disturbed. Ken river is flowing at a distance of more than 1 km from working pit. Plantation is done in the safety barrier zone of seasonal nallah and river, which is in the possession of us. Bunds have been created around the working pits. We agree to comply with stipulated condition (w.r.t. bund creation and plantation) in due course of time as and when mine progresses towards the nallah/river as the river is 0.6 km away from the mine lease boundary. WiFi enabled cameras (2 nos.) have been installed near the working pit to monitor and control any unauthorized entry in mining area and we agree to install more such cameras in due course of time.</p>																								
XII.	<p>The Project Proponent shall also organize employment-based apprenticeship/ internship training program every year with appropriate stipend for the youth and other programs to enhance the skill of the local people. The data should be maintained for the training imparted to the persons and the outcome of the training, for the assessment of the training program which should be analyzed periodically.</p>	<p><b>Agreed and Being Complied.</b>          Employment based apprenticeship / internship training program through ITI has been provided to 27 Nos. local residents. During FY:2023-24.</p>																								



XIII.	The Project Proponent should use the road for transportation of mineral from crusher to cement plant for one year only and later the same shall be transported by Over Land Belt Conveyor. The capacity of the truck/tipper should be 30 T only.	<p><b>Compliance on progress.</b> The condition from transportation of mineral from crusher to cement plant for one year has been extended for next two years vide Amended EC reference no. <b>J-11015/80/2020/IA.II(M) dated 15.09.2023.</b></p> <p>Capacity of the trucks/tippers used for transportation of minerals are &lt; 30 T.</p>
XIV.	The Project Proponent should preferably use electrical equipment's and use of diesel consuming machineries as well as vehicles should be discouraged to reduce the vehicular and gaseous emission.	<p><b>Compliance in progress.</b> Electrically operated forklift has been procured for HEMM maintenance and light vehicle procurement is under progress.</p> <div data-bbox="895 535 1554 958" data-label="Image"> </div> <p style="text-align: center;"><b><u>Electrically operated forklift</u></b></p>
XV.	The Project Proponent should not disturb the existing road network during the operating period of mine.	<p><b>Complied.</b> We are not disturbing any existing road network. We have constructed our own road for internal movement.</p>
<div data-bbox="276 1178 1358 1653" data-label="Image"> </div> <p style="text-align: center;"><b><u>Internal road</u></b></p>		
XVI.	The Project Proponent should submit the progressive plan for the activities undertaken for the commitments made by Project Proponent under R&R plan, concern addressing public hearing issues, conservation plan and plantation for its compliance review as per the timeline.	<p><b>Complied in progress.</b> Progressive plan for the activities undertaken for the commitments made by us under R&amp;R plan, concern addressing public hearing issues, conservation plan and plantation for its compliance is given below</p> <ol style="list-style-type: none"> <li>1- A large no. of activities are being undertaken by us under R&amp;R plan and to address the commitments made during the public hearing. R&amp;R plan is also available, wherein budgetary allocations are made for cost of the</li> </ol>

		<p>land to the land losers and compensation for loss of livelihood to the land losers.</p> <p>2- Current mining was undertaken in private land which is directly purchased from the local farmers through mutual negotiation so far 695.06 ha of land is under our possession and is acquired from 586 PAFs, for which compensation of Rs. <b>191.14 crores</b> is paid. No rehabilitation has been done by us. Balance land is being procured in progressive manner. Budgetary allocations for 3 years are made by us towards compliance of public hearing commitments. Action on concerns raised by the public including in the public hearing is on progress. Our Committed /EAC approved CER total amount: Rs 863.7 Lacs as 1st &amp; 2nd Year budget and we have spent approx. 938.69 Lakh. Record is being maintained. Koni Simariya Mine operation start date is 03.05.2022 and all concerned activities will be completed within time</p> <p>3- We have deposited total amount of Rs. 61.25 Lakhs (For FY 2021-22, 2022-23, 2023-24). Follow up is being done with Forest Deptt. for implementation of WLCP. Approval letter, Demand letter and Amount deposited letter and further follow-up letter are enclosed as Annexure No-3.</p> <p>4- 5 ha of peripheral greenbelt was developed against the target of 5 ha in 6 months time period as per the proposal submitted by us during the EIA process.</p> <p>Further, we have developed plantation in <b>10.67</b> ha with <b>20756 no's</b> saplings in non-mineralized zone, around the water bodies, along the nallah and habitation.</p>
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XVII.	The topsoil shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long time. The topsoil shall be used for land reclamation and plantation.	<p><b>Complied.</b></p> <p>Top soil is being stored at earmarked location as per approval mining plan. Topsoil is being used for planation as and when required basis. As par approved mining plan, backfilling will be done in 2025.</p>
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**Top Soil Dump**



XVIII.	ITI College should be operational by July, 2023 as submitted by Project Proponent. PP should submit the details on progress of construction and its operation by July, 2023.	<b>Compliance in progress.</b> Construction work has been completed. And 1 <sup>st</sup> session will be conducted for the FY:2024-25.
XIX.	Regular surveillance on Silicosis shall be carried through regular occupational health check-up of 1/3 of the persons every year.	<b>Complied.</b> Regular Occupational health check-up is being carried out. During this year occupational health check-up has been done for all 99 no. persons employed at our mines.


1 (FORM - D)  
(See rule 29F (2) and 22L)  
Report of medical examination under rule 29B  
(To be issued in triplicate)\*\*

Certificate No. ....

Certified that Shri. Pushpendra Bagri employed as ..... In ..... mine, Form B No. has been examined for an initial/periodical medical examination. He appears to be 24 years of age. The findings of the the examining authority are given in the attached sheet. It is considered that Shri./S/Prima<sup>ry</sup> Pushpendra Bagri

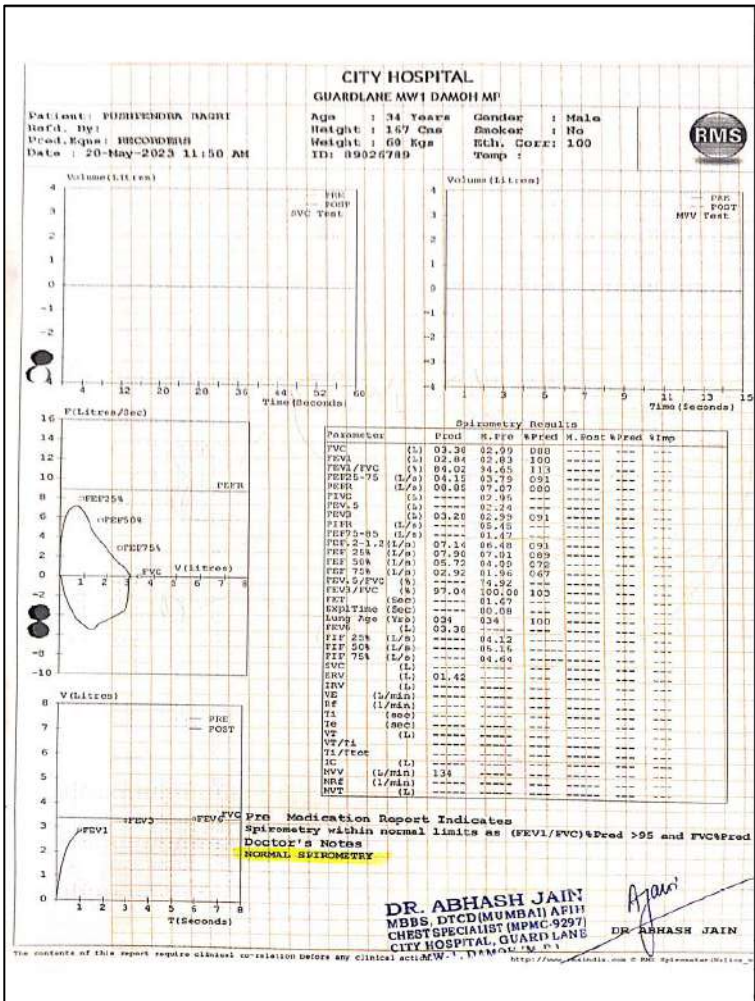
(a) is medically fit for any employment in mines.   
 (b) is suffering from ..... And is medically unfit for  
 (d) any employment in mines; or  
 (e) any employment below ground; or  
 (f) any employment or work.....

(c) is suffering from ..... is should get this disability\* cured/controlled and should be again examined within a period of ..... months. He/She will appear for re-examination with the result of test of ..... and the opinion of ..... Specialist from ..... He/She may be permitted/not\* permitted to carry on his duties during this period.

  
Signature of the examining authority  
DR. ABHASH JAIN  
MBBS, DTC (MUMBAI) AF111  
CHEST SPECIALIST (NPMC-9297)  
CITY HOSPITAL, GUARD LANE  
MW-1, DAMOH, M.P.

Place: Damoh  
Date: 20/5/23

\* Delete whatever is not applicable.  
 \*\* One copy of the certificate shall be handed over to the person concerned and another copy shall be sent to the manager of the mine concerned by registered post; and the third copy shall be retained by the examining authority.  
 1 Inserted vide Notification No. GSR 656, dated 5.6.1980



**Health Certificate**

XX.	NOC from the Central Ground Water Authority (CGWA)/ Concerned Local authority, as the case may be, shall be obtained before drawing the ground water for the project activities, State Pollution Control Board / Pollution Control Committees shall not issue the Consent to Operate (CTO) under Air (Prevention and Control of Pollution) Act and Water (Prevention and Control of Pollution) Act till the project proponent shall obtain such permission. The project proponent shall obtain the NOC from CGWA for intersection of ground water table before commencing the mining operations.	<b>Complied</b> NOC from CGWA is obtained vide letter no. CGWA/NOC/ MIN/REN/1/2024/9241 dated 13.03.2024 for use of ground water and dewatering with validity up to 02.06.2025. CGWA NOC Copy as enclosed in given below.
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(भूजल नििकासी हेतु अनापत्ति प्रमाण पत्र)  
**NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION**

Project Name:	Koni-simariya Limestone Mine (unit Of M/s. J K Cement Limited)		
Project Address:	Villages-koni - Simariya Etc. tehsil-simariya, District-panna		
Village:	Simariya	Block:	Panna
District:	Panna	State:	Madhya Pradesh
Pin Code:			
Communication Address:	My Home Residency, Opp. Esar Petrol Pump, Katni Road, Tehsil-amanganj, District-panna, Panna, Madhya Pradesh - 488441		
Address of CGWB Regional Office:	Central Ground Water Board North Central Region, Block-1, 4th Floor, Paryawas Bhawan, Area Hills, Jail Road, Bhopal Madhya Pradesh - 462011		

1. NOC No.:	CGWA/NOC/MIN/REN/1/2024/9241	2. Date of Issuance	13/03/2024
3. Application No.:	21-4/1091/MP/MIN/2021	4. Category (GWRE 2023)	Safe
5. Project Status:	Existing With Additional Ground Water Requirement	6. NOC Type:	Renewal
7. Valid from:	03/06/2023	8. Valid up to:	02/06/2025

9. Ground Water Abstraction Permitted:		Fresh Water		Saline Water		Dewatering		Total	
m <sup>3</sup> /day	m <sup>3</sup> /year	m <sup>3</sup> /day	m <sup>3</sup> /year	m <sup>3</sup> /day	m <sup>3</sup> /year	m <sup>3</sup> /day	m <sup>3</sup> /year	m <sup>3</sup> /day	m <sup>3</sup> /year
10.00	3650.00			873.00		301102.00			

10. Details of ground water abstraction /Dewatering structures												
Total Existing No.:4						Total Proposed No.:0						
Abstraction Structure*	DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu
Dewatering Structure*	0	0	1	0	0	0	0	0	0	0	0	0

11. Ground Water Abstraction/Restoration Charges paid (Rs.):		600504.00
12. Environment Compensation (if applicable) paid (Rs.):		0.00
13. Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.	No. of Piezometers	Monitoring Mechanism
**DWLR - Digital Water Level Recorder	2	Manual 0 DWLR** 1 DWLR With Telemetry 1

18/11, जलनगर इडर, धर्मनगर पोस्ट, नर्मदा जिला - 490011 / 18/11, Jalamnagar House, Mandla Road, New Delhi-110011  
Phone: (011) 23383461 Fax: 2338251, 23386753  
Website: cgwa.nic.gov.in

**NOC Copy**

**B. Standard EC Conditions:**

**I. Statutory compliance**

i.	This Environmental Clearance (EC) is subjected to judgment of Hon'ble Supreme Court of India, Hon'ble Court, Hon'ble NGT and any other Court of Law, Common Cause Conditions as may be applicable.	<b>Noted and Agreed to complied.</b>
ii.	The Project proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated 2nd August,2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors before commencing the mining operations.	<b>Noted and Agreed to complied.</b>
iii.	The State Government concerned shall ensure that mining operation shall not be commenced till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of Judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors.	<b>Not Applicable.</b> Compliance of the stipulated condition pertains to State Government. Hence, not applicable to project proponent.
iv.	Project Proponent shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/S7/2014-IA.11 (M), dated 29th October, 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or The Habitations and villages are surrounded by the mine lease area".	<b>Complied.</b> No habitation is currently located 1 km away from the working pit.

v. A copy of EC letter will be marked to concerned Panchayat / local NGO etc. if any, from whom suggestion / representation has been received while processing the proposal. **Complied.** The copy of EC letter has been provided to concerned Panchayat vide letter No. SM/EMD/CWLA/F12/012, dated 01.11.2021 copy is enclosed as given below.

**Annexure 111**

**Jaykaycem (Central) Ltd.**  
(CIN: U72206JH1987PLC001162)  
(Wholly Owned Subsidiary of JK Cement Ltd.)

Phone: +91-652-2517000-81  
Fax: 0652-2517004  
Toll-free: +91-80-3230086  
E-mail: jaykaycem@jaykaycem.com

Registered Office: Kankarbagh, Patna-800013 (J.P.) INDIA

Ref. No. SM/EMD/CWLA/F 12/012  
दिनांक - 01.11.2021

महोदय,  
जिला पन्ना (MOPO) - 488 001

**विषय - पर्यावरण रक्षकृतियुक्तता - पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय भारत सरकार नई दिल्ली ने मेरास जेकेसेम (सेन्ट्रल) लिमिटेड की प्रस्तावित चुना पत्थर खनन परियोजना ग्राम - मेरास जेकेसेम (सेन्ट्रल) लिमिटेड की वाम कोनी, बोडा, मुडा, महाराजगंज, गनवारी, बनमई, सिमरिया, देवरी, पगरा, कुलावा, तड़सील - सिमरिया, जिला - पन्ना (MOPO)**

**सन्दर्भ - पर्यावरण रक्षकृतियुक्तता EC Identification No. EC21A001MP114641, File No. -11015/60/2020(A.II)(M), दिनांक 01.11.2021।**

महोदय,

आपको सूचित किया जाता है कि पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय (एम.ए.ओ.ई. एफ.सी.सी.) भारत सरकार नई दिल्ली ने ई.आई.ए. अधिसूचना 2008 के अन्तर्गत मेरास जेकेसेम (सेन्ट्रल) लिमिटेड की प्रस्तावित चुना पत्थर खनन परियोजना ग्राम - मेरास जेकेसेम (सेन्ट्रल) लिमिटेड की वाम कोनी, बोडा, मुडा, महाराजगंज, गनवारी, बनमई, सिमरिया, देवरी, पगरा, कुलावा तड़सील सिमरिया जिला-पन्ना (MOPO) की प्रस्तावित चुना पत्थर खनन परियोजना के लिए पर्यावरण रक्षकृतियुक्तता प्रदान की गई है।

वार्ड जेकेसेम (सेन्ट्रल) लिमिटेड  
(रामपाल गोयल)  
महाराष्ट्र (परियोजना, पर्यावरण)

**सन्दर्भ - पर्यावरण रक्षकृतियुक्तता File No. -11015/60/2020(A.II)(M), दिनांक 01.11.2021।**

**प्रतिष्ठित -**

क्रमांक	कार्यालय का नाम	समग्री प्राप्ति करने वाले के नाम / हस्ताक्षर
1	फलेक्टर महोदय, जिला पन्ना (MOPO) - 488 001	

Office: Kankar Bagh, Patna, Jharkhand, India  
Village: Igubha, Tehsil: Hariharpur, District: Nawasari, U.P. INDIA

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**Annexure 111**

**Jaykaycem (Central) Ltd.**  
(CIN: U72206JH1987PLC001162)  
(Wholly Owned Subsidiary of JK Cement Ltd.)

Phone: +91-652-2517000-81  
Fax: 0652-2517004  
Toll-free: +91-80-3230086  
E-mail: jaykaycem@jaykaycem.com

Registered Office: Kankarbagh, Patna-800013 (J.P.) INDIA

2	मूलक कार्यालय जयिकारी, जिला पंचायत, पन्ना - 488 001	
3	महाराष्ट्रक, जिला पंचायत एवं उद्योग क्षेत्र, पन्ना - 488 001	
4	सरपंच, ग्राम पंचायत कोनी तड़सील-सिमरिया जिला-पन्ना - 488 441	
5	सरपंच, ग्राम पंचायत बोडा तड़सील-सिमरिया जिला-पन्ना - 488 441	
6	सरपंच, ग्राम पंचायत मुडा तड़सील-सिमरिया जिला-पन्ना - 488 442	
7	सरपंच, ग्राम पंचायत गनवारी तड़सील-सिमरिया जिला-पन्ना - 488 442	
8	सरपंच, ग्राम पंचायत देवरी तड़सील-सिमरिया जिला-पन्ना - 488 442	
9	सरपंच, ग्राम पंचायत सिमरिया तड़सील-सिमरिया जिला-पन्ना - 488 442	

Office: Kankar Bagh, Patna, Jharkhand, India  
Village: Igubha, Tehsil: Hariharpur, District: Nawasari, U.P. INDIA



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**EC Letter submission Panchayat**

vi. State Pollution Control Board/Committee shall be responsible for display of this EC letter at its Regional office, District Industries Centre and Collector's office/ Tehsildar's Office for 30 days. **Not Applicable.**

vii. The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board/ Committee and web site Ministry of Environment Forest & Climate Change ([WWW.parivesh.nic.in](http://WWW.parivesh.nic.in)). A copy of the advertisement may be forwarded to the concern MoEFCC, Regional Office for compliance and Record. **Complied.** The advertisement about the grant of EC letter for the project has been published in two local newspapers namely Navbharat and Nai Dunia dated 02.11.2021 and copy of the same enclosed as **Annexure No.-4.**

viii. The Project Proponent shall inform the MoEF&CC for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred. PP needs to apply for transfer of EC as per provisions of the para 11 of EIA Notification, 2006 as amended from time to time. **Complied.** Change in ownership of the mining lease name changes in EC. copy attached as below

		<div style="text-align: center;">  <p>File No.: J-11015/80/2020/IA.II (M)        Government of India        Ministry of Environment, Forest and Climate Change        IA Division        ***</p>  </div> <p>Dated 23/01/2024</p> <p>To,        M/s J.K. Cement Limited        Karla Tower, Kanpur-208001 (U.P.) India, KANPURNAGAR, UTTAR PRADESH, 208001</p> <p>Subject: <b>Koni-Simariva Limestone Mine at Tehsil Simariva, District Panna (Madhya Pradesh) - Transfer of environmental clearance from M/s Jaykayem (Central) Limited to M/s J.K Cement Limited - reg.</b></p> <p>Sir/Madam,</p> <p>This is in reference to your application submitted to MoEF&amp;CC vide proposal number IA/MP/MIN/44759/2023 dated 31/10/2023 for grant of transfer of EC from M/s Jaykayem (Central) Limited to M/s J.K Cement Limited to the project under the provision of para 11 of the EIA Notification 2006 and as amended thereof.</p> <p>2. The particulars of the proposal are as below:</p> <table border="0"> <tr> <td>(i) EC Identification No.</td> <td>EC23A/000/MP/534/11621</td> </tr> <tr> <td>(ii) File No.</td> <td>J-11015/80/2020/IA.II (M)</td> </tr> <tr> <td>(iii) Clearance Type</td> <td>Transfer of EC</td> </tr> <tr> <td>(iv) Category</td> <td>A</td> </tr> <tr> <td>(v) Schedule No./ Project Activity</td> <td>1(a) Mining of minerals</td> </tr> <tr> <td>(vi) Sector</td> <td>Non-Coal Mining</td> </tr> <tr> <td>(vii) Name of Project</td> <td>Transfer of Environment Clearance vide letter no. J-11015/80/2020/IA.II (M) dated 01st Nov, 2021 from M/s Jaykayem (Central) Limited to M/s J.K Cement Limited issued for Koni Simariva Limestone Mine with Total excavation 9.05 Million TPA (Limestone: 5.08 MTPA, Soil: 2.94 MTPA and OB: 1.05 MTPA) with Crusher Capacity 1800 TPH in ML of 3095.23 Ha located at Village (a) - Koni, Boda, Gudha, Maharaganj, Ganiyari, Vindhari, Simariva, Devri, Panna &amp; Kuteva, Tehsil Simariva, Dist Panna, MP</td> </tr> </table>	(i) EC Identification No.	EC23A/000/MP/534/11621	(ii) File No.	J-11015/80/2020/IA.II (M)	(iii) Clearance Type	Transfer of EC	(iv) Category	A	(v) Schedule No./ Project Activity	1(a) Mining of minerals	(vi) Sector	Non-Coal Mining	(vii) Name of Project	Transfer of Environment Clearance vide letter no. J-11015/80/2020/IA.II (M) dated 01st Nov, 2021 from M/s Jaykayem (Central) Limited to M/s J.K Cement Limited issued for Koni Simariva Limestone Mine with Total excavation 9.05 Million TPA (Limestone: 5.08 MTPA, Soil: 2.94 MTPA and OB: 1.05 MTPA) with Crusher Capacity 1800 TPH in ML of 3095.23 Ha located at Village (a) - Koni, Boda, Gudha, Maharaganj, Ganiyari, Vindhari, Simariva, Devri, Panna & Kuteva, Tehsil Simariva, Dist Panna, MP
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<b><u>Name changes in EC copy</u></b>																
<b>II. Air quality monitoring and preservation</b>																
i.	<p>The Project Proponent shall install a minimum of 3 (three) online Ambient Air Quality Monitoring Stations with 1 (one) in upwind and 2 (two) in downwind direction based on long term climatological data about wind direction such that an angle of 120° is made between the monitoring locations to monitor critical parameters, relevant for mining operations, of air pollution viz. PM10, PM2.5, NO2, CO and SO2 etc. as per the methodology mentioned in NAAQS Notification No. B29016/20/90/PCI/I dated 18.11.2009 covering the aspects of transportation and use of heavy machinery in the impact zone. The ambient air quality shall also be monitored at prominent places like office building, canteen etc. as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in front of the main Gate of the mine site.</p>	<p><b>Complied.</b></p> <p>03 Nos. of CAAQMS were installed, one is Near Boda Village (Mine site) and second one is Near Ganiyari Village &amp; third is in Collectorate office, Panna (upon direction from MPPCB) wherein 5 parameters are being monitored (PM10, PM2.5, SO2, NOX and CO). All CAAQMS were linked to CPCB &amp; MPPCB servers. The monitoring data is being displayed at the mines office near the main gate within the mine premises.</p>														





### CAAQMS Station



### CAAQMS Data uploaded in online server.

ii.	Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metalled road construction etc.) shall be carried out in areas prone to air pollution wherein high levels of PM10 and PM2.5 are evident such as haul road, loading and	<b>Complied.</b> 02 Nos. of Water tankers have been deployed for regular water sprinkling on haul roads, loading and unloading areas. Water spray system at crusher has been installed to controlled fugitive emission from crusher. Air pollution level is well within the
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	unloading point and transfer points. The Fugitive dust emissions from all sources shall be regularly controlled by installation of required equipments/ machineries and preventive maintenance. Use of suitable water- soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that air pollution level conform to the standards prescribed by the MoEFCC/ Central Pollution Control Board	prescribed norms by the MoEFCC/ Central Pollution Control Board.
<b>III. Water quality monitoring and preservation</b>		
i.	In case, immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case, mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEFCC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro-geological study of the area.	<b>Complied.</b> The Clearance from CGWA has already been obtained vide no. CGWA/NOC/ MIN/REN/1/2024/9241 dated 13.03.2024 for use of ground water as well as for intersection of ground water table and Water quality report as enclosed in <b>Annexure- 5</b> .
ii.	Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in and around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the mining operation in consultation with Central Ground Water Authority/ State Ground Water Department. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.	<b>Complied.</b> Monitoring of Ground Water level and quality in and around the mine lease is being carried out. New piezometers have been installed as per Ground water NOC. water level & Quality test report have been submitted in, CGWA and State Groundwater Department / State Pollution Control Board by e-mail dated 27.02.2024 (Ground water level) & 04.03.2024 (Surface water & quality test report) Report enclosed as <b>Annexure No.-5 and Annexure No.-5A</b> .
iii.	The Project Proponent shall undertake regular monitoring of natural water course/ water resources/ springs and perennial nallahs existing/ flowing in and around the mine lease including upstream and downstream. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. The parameters to be monitored shall include their water quality vis-à-vis suitability for usage as per CPCB criteria and flow rate. It shall be ensured that no obstruction and/ or alteration be made to water bodies during mining operations without justification and prior approval of MoEFCC. The monitoring of water courses/ bodies existing in lease area shall be carried out four times in a year viz. pre- monsoon (April- May), monsoon (August), post-monsoon (November) and winter (January) and the record of monitored data may be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six- monthly basis.	<b>Complied.</b> Regular monitoring of natural water course/ water resources/ springs and perennial nallahs existing/ flowing in and around the mine lease including upstream and downstream is being carried out. Sufficient number of gullies have been provided at appropriate places within the lease for management of water. Water quality analysis is being carried out of four time in a year and report submission is started regularly to Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board on six monthly bases along with trend analysis. Reports are enclosed as <b>Annexure -5A</b> .

iv.	Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in mines run-off; acid mine drainage and metal contamination in runoff shall be monitored along with Total Suspended Solids (TDS), Dissolved Oxygen (DO), pH and Total Suspended Solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable location near the main gate of the Company. The circular No. "- 20012 / 1 / 2006 - IA. 11 (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.	<b>Complied.</b> EC issued for limestone mine hence there is no possibility of acid mine drainage and metal contamination in surface runoff. Quality of Mine runoff report is enclosed as <b>Annexure No.6</b>  The monitored data is also uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable location near the main gate of the Company.
v.	Project Proponent shall plan, develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground Water Board/ State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional Office MoEFCC annually.	<b>Complied.</b> Rain water harvesting structures (02 Nos.) are made so far. We are installing more rainwater harvesting structures in accordance with the approved mining plan. In this regards, Hydrological study report also prepared and submitted CGWA.
vi.	Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.	<b>Agreed &amp; Compliance in progress.</b> The mines run-off is being diverted to siltation pond located adjoining the crusher and subsequently reused for dust suppression. Therefore, no waste water is being discharged outside the mine lease area. Domestic sewage is treated and disposed of through septic tank - soak pit system. Workshop construction is under progress. Surface runoff monitoring report is enclosed as <b>Annexure-6</b> . The result of surface run off is well within the standard stipulated in CTO.
vii.	The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&CC and State pollution Control Board/ Committee.	<b>Complied.</b> Water balance for period from April-2023 to Mar-2024 is given below.

Sr.No	Water Code	Permission of Water Consumption (KL/Day)	Permission of Waste water generation (KL/Day)	April -2023 to Mar-2024		
				Water Consumption (KL/Day)	Waste water generation (KL/Day)	Reuse/recycle
1	Domestic water	10	7.0	1.11	Nil	Nil
2	Dust Suppression	68	0.0	19.8	N/A	N/A
3	Floor / Utensils / Other Washing	10	8.0	Nil	Nil	Nil
4	Mnfg Process	51	0.0	10	N/A	N/A
5	Others	1	0.0	Nil	Nil	Nil
6	Plantation / Horticulture	20	0.0	10	N/A	N/A

#### IV. Noise and vibration monitoring and prevention

i.	The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines	<b>Complied.</b> Peak Particle velocity is being monitored as per applicable DGMS guidelines.
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		Distance from Mine Pit (meter)			
		Pit details	Boda School	Boda Village	Koni Village
		Pit 1	516	657	3624
		Pit 2	2310	1470	1780
		Pit 3	2508	1656	1609
		Pit 4	1803	958	2200

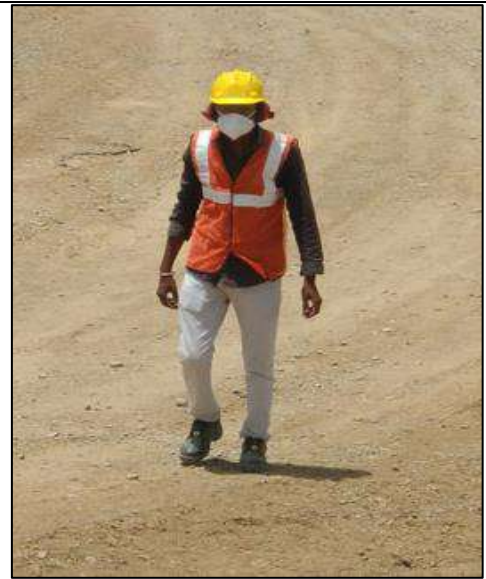
Report is enclosed as **Annexure -2.**

ii.	<p>The illumination and sound at night at project sites 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. PPs 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 /night hours.</p>	<p><b>Complied.</b> 04 No's of Highmast Tower were installed at mines premises of working area. illumination are given below. No mining and limestone transportation are done in night. We have engaged a NABL Approved lab for Noise monitoring on quarterly basis. Report is enclosed as <b>Annexure-1A.</b></p>
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**Highmast Tower**

iii.	<p>The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provide with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective</p>	<p><b>Complied.</b> We have monitored monitoring noise levels in the ambient environment through NABL accredited laboratory at 10 locations and perusal of the monitoring results reveal that noise levels are well within the stipulated standards. Training facility was set up and dedicated OHS team. Personal protective equipments like safety shoes, helmets, etc. were also provided to all the workers. Training and awareness program on health and safety aspects is being organized periodically.</p>
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### V. Mining Plan

i.	The Project Proponent shall adhere to approved mining plan, inter alia, including, total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life; etc.).	<p><b>Complied.</b> Mining operation is being executed as per approved mining plan and quantity approved in EC.</p> <table border="1" data-bbox="874 840 1517 1030"> <thead> <tr> <th>Mineral</th> <th>As per EC permission</th> <th>FY 2023-24</th> </tr> </thead> <tbody> <tr> <td>Limestone</td> <td>5.08 MTPA</td> <td>3.65 MTPA</td> </tr> <tr> <td>Soil</td> <td>2.94 MTPA</td> <td>2.2 MTPA</td> </tr> <tr> <td>OB</td> <td>1.03 MTPA</td> <td>Nil</td> </tr> </tbody> </table>	Mineral	As per EC permission	FY 2023-24	Limestone	5.08 MTPA	3.65 MTPA	Soil	2.94 MTPA	2.2 MTPA	OB	1.03 MTPA	Nil
Mineral	As per EC permission	FY 2023-24												
Limestone	5.08 MTPA	3.65 MTPA												
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ii.	The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be governed as per the approved Mining Plan. The excavation vis-a-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes self-sustaining. The compliance status shall be submitted half-yearly to the MoEFCC and its concerned Regional Office.	<p><b>Complied</b> Mining is being done as per mining plan. Land use is being maintained as per mining plan. Backfilling in the mine lease area and afforestation in the reclaimed area will be done as per mining plan. Presently there is no rehabilitation done.</p>												

### VI. Land reclamation

i.	The Overburden (O.B.), waste and topsoil generated during the mining operations shall be stacked at earmarked OB dump site(s) only and it should not be kept active for a long period of time. The physical parameters of the OB / waste dumps / topsoil dump like height, width and angle of slope shall be governed as per the approved Mining Plan and the guidelines/circulars issued by D.G.M.S. The topsoil shall be used for land reclamation and plantation.	<p><b>Agreed and being complied.</b> Overburden (O.B.), waste and topsoil generated during the mining operations are stacking at earmarked OB dump site. Physical parameters of the OB / waste dumps / topsoil dump like height, width and angle of slope are being maintained as per the approved Mining Plan and as per the guidelines/circulars issued by D.G.M.S. in this regard. The topsoil is used for plantation and stored at designated area and used as per mining approval plan.</p>
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ii.	<p>The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface run off. The selection of local species regulates local climatic parameters and help in adaptation of plant species to the microclimate. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps. The dump mass should be consolidated with the help of dozer/ compactors thereby ensuring proper filling/ leveling of dump mass. In critical areas, use of geo textiles/ geo-membranes / clay liners / Bentonite etc. shall be undertaken for stabilization of the dump.</p>	<p><b>Complied.</b> Presently most of the dumps are in active nature. Slope of dumps will be vegetated in scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface run off. Dump mass will be consolidated with the help of dozer/ compactors. Suitable technique will be used for stabilization of the dump.</p>
iii.	<p>Catch drains, settling tanks and siltation ponds of appropriate size shall be constructed around the mine working, mineral yards and Top Soil/OB/Waste dumps to prevent run off of water and flow of sediments directly into the water bodies (Nallah/ River/ Pond etc.). The collected water should be utilized for watering the mine area, roads, green belt development, plantation etc. The drains/ sedimentation sumps etc. shall be de-silted regularly, particularly after monsoon season, and maintained properly.</p>	<p><b>Complied</b> Bunds are formed around the mine working. Catch drains, settling tanks and siltation ponds of appropriate size being constructed around the mine working, mineral yards and Top Soil/OB/Waste dumps to prevent run off of any kind. Collected mine pit water is being utilized for watering the mine area, roads, green belt development, plantation and water spraying at crusher etc. Drains/ sedimentation sumps etc. is being de-silted regularly, particularly after monsoon season, and maintained properly.</p>



**Garland drains**

iv.	<p>Check dams of appropriate size, gradient and length shall be constructed around mine pit and OB dumps to prevent storm run-off and sediment flow into adjoining water bodies. A safety margin of 50% shall be kept for designing of sump structures over and above peak rainfall (based on 50 years data) and maximum discharge in the mine and its adjoining area which shall also help in providing adequate retention time period thereby allowing proper settling of sediments/ silt material. The sedimentation pits/ sumps shall be constructed at the corners of the garland drains</p>	<p><b>Complied.</b> Check dams of appropriate size, gradient and length will be constructed around mine pit and OB dumps to prevent storm run-off and sediment flow into adjoining water bodies. A safety margin of 50% will be kept properly. Sedimentation pits will be constructed at the corners of the garland drain. Garland drain &amp; sedimentation pit photo as enclosed in given below.</p>
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**Siltation ponds**



**Check dam**



**Top Soil dump and around drain line**

**VII. Transportation**

<p>i.</p>	<p>No Transportation of the minerals shall be allowed in case of roads passing through villages/habitations. In such cases, PP shall construct a 'bypass' road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt. Department. Transportation of minerals through road movement in case of existing village/rural roads shall be allowed in consultation with nodal State Govt. Department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. Vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centers. [If applicable in case of road transport]</p>	<p><b>Complied.</b>          No transportation route is passing through villages/habitations. Road widening and strengthening of the existing public road network has done by the company.          02 no's of water tanker are deployed for sprinkling on road. Vehicular emissions are being kept under control and regularly monitored. Pollution under Control (PUC) certificates for all the vehicles running in the mines has been obtained from authorized pollution testing centers.</p> <ul style="list-style-type: none"> <li>➤ EC amended and timeline is upto Aug 2025</li> <li>➤ Widening and strengthening of existing public road network is done from Boda village to SH 49</li> <li>➤ 2 no. water tankers are deployed for dust suppression</li> <li>➤ Maintenance of vehicles are being carried out periodically</li> </ul> <p>All the vehicles are having valid PUC certificates. Example is given in next slide.</p>
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**POLLUTION UNDER CONTROL CERTIFICATE**

Transport Department Govt. of MADHYA PRADESH  
**PREM MOBILE PUC CENTER**

Category : HEAVY GOODS VEHICLE

Lic. No. : PUC/07/STN/2023  
PUC Certificate No. : 1900008831  
Reg. No. : MP19 ZC 3313  
Make : ASHOK LEYLAND LTD  
Model : UJ3520/52 T TIP BS6  
Fuel : DIESEL

Test Date : 29-4-2024  
Test Time : 11:34 PM  
Test Fee : 500

Reg. Year : 2023

**Validity : 28-10-2024**

FLUSH	CYCLE		
	RPM Min.	RPM Max.	Temp.
	0590	4570	52
Sr. No.	RPM	HSU %	K Value
1	4550	42.39	1.28
2	4570	35.72	1.03
3	4570	41.70	1.25
<b>MEAN :</b>		<b>39.94</b>	<b>1.19</b>
<b>RESULT :</b>		<b>PASS</b>	



SATNA  
9630610039



AS PER CMVR ALL INDIA VALID PUC CERTIFICATE

**PUC Certificate**

ii. The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipment's like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emission.

**Compliance on progress.**

Permanent water sprinkling arrangement over main haulage road within the mine lease will be provided soon for dust suppression. However, all roads within the mine lease is being wetted regularly with 2 nos. tankers. Mist type dust suppression arrangements has been provided at areas of dust generation like crushing zone, material transfer points, material yards etc. Proper air pollution control equipment has been provided in the Crusher.



**Limestone handling through Conveyor belt**





### Water fogging system installation

#### VIII. Green Belt

i.	<p>The Project Proponent shall develop greenbelt in 7.5m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The whole Green belt shall be developed within first 5 years starting from windward side of the active mining area. The development of greenbelt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan.</p>	<p><b>Compliance in progress.</b>          Plantation work is undertaken within the lease area, periphery of the mining lease area (which is currently under possession of the project proponent) and also along the mine haul road. Currently, 695.06 ha of the mine lease area is acquired by the project proponent and the major chunk of the mine lease area is proposed to be acquired in a phased manner as per the mining requirements.          5 ha of peripheral greenbelt is developed against the target of 5 ha in 6 month's time period as per the proposal submitted by us during the EIA process.          Further, we had developed plantation in 10.67 ha with 20756 no's saplings in non-mineralized zone, around the water bodies, nallah and the habitation.</p>
ii.	<p>The Project Proponent shall carryout plantation/afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the State Forest Department/ Agriculture Department/ Rural development department/ Tribal Welfare Department/ Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.</p>	<p><b>Compliance in progress.</b>          Plantation work is undertaken within the lease area, periphery of mining lease area, along the haul road and also along the public road sides. Plantation is also undertaken in nearby villages, schools, etc. We agree to undertake plantation in backfilled and reclaimed areas of mine lease ones the area is matured for plantation.</p>

iii.	The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, Project Proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded/ protected against felling and plantation of such trees should be promoted.	<b>Compliance not applicable.</b> No grazing land is available in mining lease area. Hence, not applicable.
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**IX. Public hearing and human health issues**

i.	Project Proponent shall make provision for the housing for workers/labors or shall construct labor camps within / outside (company owned land) with necessary basic infrastructure/ facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche for kids etc. The housing may be provided in the form of temporary structures which can be removed after the completion of the project related infrastructure. The domestic waste water should be treated with STP in order to avoid contamination of underground water.	<b>Complied.</b> Mine is adjacent to the Cement plant and labour camps has been provided with all amenities within the cement plant premises. STP has been installed for treatment of Sewage water. <div data-bbox="890 757 1544 1093" data-label="Image"> </div> <p style="text-align: center;"><b><u>STP With Capacity 300KLD</u></b></p>
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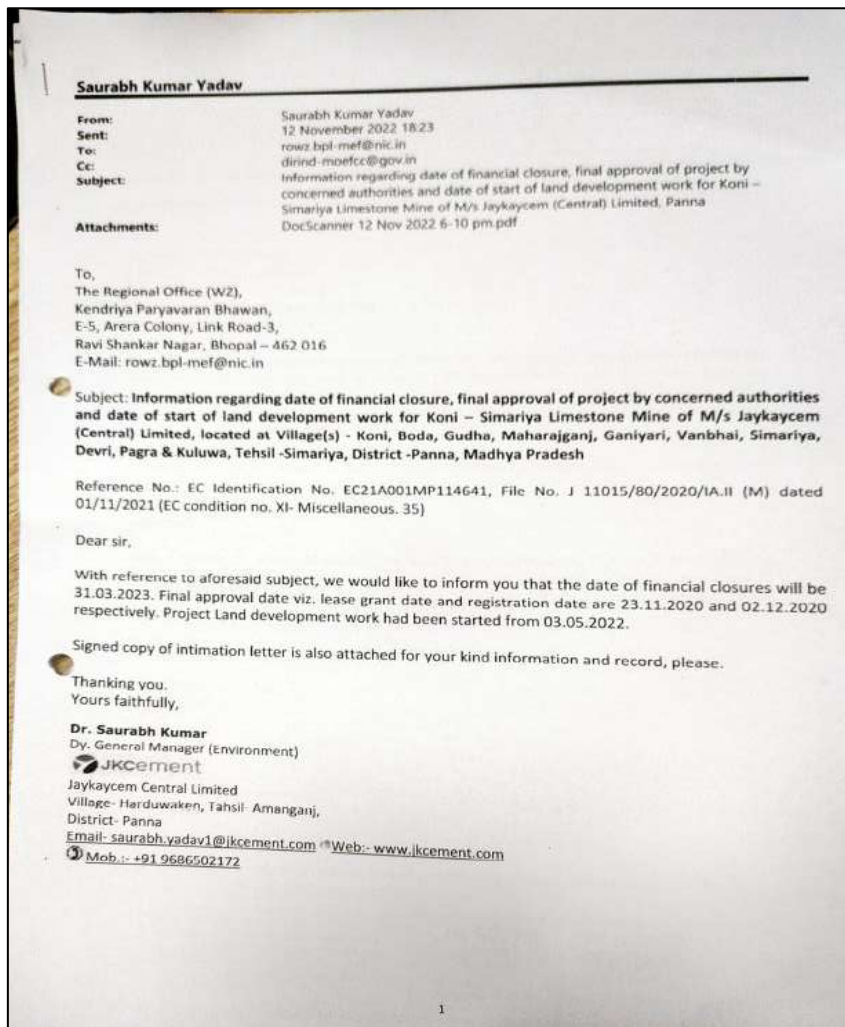
**X. Corporate Environment Responsibility (CER)**

i.	The Project Proponent shall submit the time- bound action plan to the concerned regional office of the Ministry within 6 months from the date of issuance of EC for undertaking the activities committed during public consultation by the project proponent and as discussed by the EAC, in terms of the provisions of the MoEF&CC Office Memorandum No.22-65/2017-1A.111 dated 30 September, 2020. The action plan shall be implemented within three years of commencement of the project.	<b>Complied.</b> CER/CSR including activities raised during public hearing three years' time-bound action plan has been submitted to the concerned regional office of the Ministry.
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**XI. Miscellaneous**

i.	The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to concerned Regional Office of the MoEF&CC.	<b>Agree to Complied.</b> Digital map (land use & land cover) of the entire lease area will be prepared once in five years and will submit the report to the concerned Regional Office of the MoEF&CC.
ii.	The Project Authorities should inform to the Regional Office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	<b>Complied.</b> We have already intimated regarding the date of financial closure, final approval of concerned authority, commencing the land development work and start of production. It has been submitted to the Ministry via. letter no. JAYKAYCEM/ENV./Corres./ 2022-23/02 dated 12.11.2022.





**Financial Closure approval copy submitted**

iii.	The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MOEF&CC & its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.	<p><b>Complied.</b></p> <p>Six monthly compliance report is being submitted to the MOEF&amp;CC &amp; its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board. Last EC compliance report Letter no- JKCEMENT/ENV./EC/KONI/02/09 dated 28.11.2023. Copy enclosed and given below.</p>
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Ref. No.: JKCEMENT/ENV./EC/KONI/02/09

Dated: 28.11.2023

To,  
Regional Office (WZ),  
Kendriya Paryavaran Bhawan,  
E-5, Arera Colony, Link Road-3, Ravi Shankar Nagar  
BHOPAL – 462 016  
E-Mail: rowz.bpl-mef@nic.in

Subject: **Submission of Half Yearly Environmental Clearance Compliance Status Report for period from April 2023 to September 2023 of Koni-Simariya Limestone Mine of M/s J K Cement Ltd.**


Ref: 1- Environment Clearance vide no J-11015/80/2020/IA.II(M) dated 01.11.2021  
2- MoEF & CC notification no. S.O. 5845 (E) 26.11.2018  
3- Amendment EC File no. J-11015/80/2020/IA. II(M) dated 15/09/2023

Dear Sir,

With reference to above stated Environment Clearances (ECs) and MoEF & CC notification no. S.O. 5845 (E) 26.11.2018, we are submitting Half Yearly Environmental Clearance Compliance Status Report for period from April 2023 to September 2023 of Koni – Simariya Limestone Mine of M/s JK Cement Limited for Koni - Simariya Limestone mine with total excavation of 9.05 Million TPA (Lime Stone: 5.08 MTPA; Soil: 2.94 MTPA and OB: 1.03 MTPA) with Crusher capacity - 1800 TPH in the mine lease area of 3095.23 ha. located at Village(s) - Koni, Boda, Gudha, Maharajganj, Ganiyari, Vanbhai, Simariya, Devri, Pagra & Kuluwa, Tehsil -Simariya, District - Panna, Madhya Pradesh - Environmental Clearance (EC) through email, this for your kind information and record please.

Thanking you,

Yours Sincerely  
For: Koni-Simariya Limestone Mine  
(A unit of J K Cement Limited)

  
Kapil Agrawal  
(Unit Head)

Encl.: Copy of EC Compliance Status Report. Soft copy sent by mail to:  
1. Member Secretary, MP Pollution Control Board, Paryavaran Parisar,  
2. Regional Officer, Regional Office, MP Pollution Control Board, Makronia, Sagar (MP)  
3. Regional Director- CPCB, Paryavaran Parisar, E-5, Arera Colony, Bhopal (MP)  
4. Deputy Director General of forest (C), MoEFCC, Integrated Regional Office, Bhopal- 462016.  
5. The Director, MoEFCC, Indira Paryavaran Bhavan, New\_Delhi-11003



Corporate Office  
Pedam Tower, 19 ODA Community Centre  
Oshiy, Phase - 1, New Delhi - 110029, India  
+011-49220000  
admin.pedamtower@jkcement.com  
www.jkcement.com

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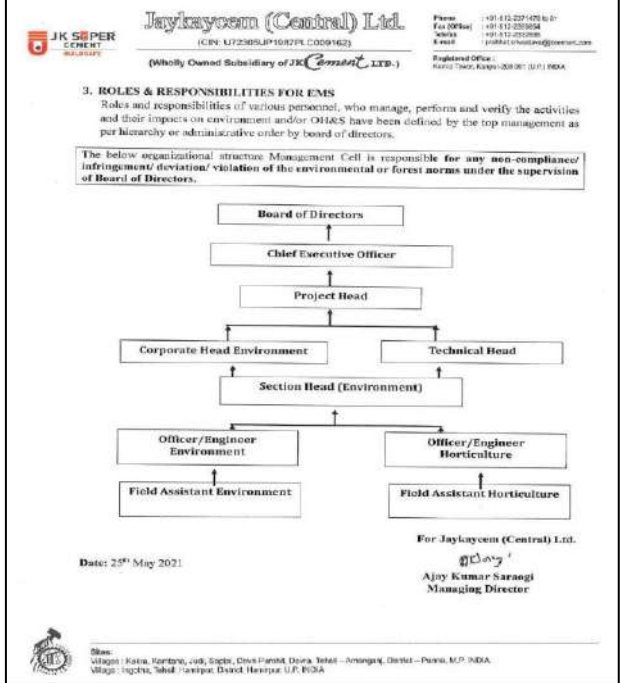
Manufacturing Units at:  
Nimbahera, Mangrol, Gotan (Rajasthan) | Muddapur (Karnataka)  
Jharia (Bihar) | Katni (M.P.) | Algora (U.P.) | Balasinar (Gujarat)




### Last EC Compliance Report Letter head

2	EC23A0000MP5466096A	EC/M/COMPLIANCE/28156244/2023	MADHYA PRADESH	2023	01 Dec(01 Apr - 30 Sep)	30-11- 2023	Submitted Successfully	<a href="#">View Report</a> <a href="#">View Documents</a>
	Koni - Simariya Limestone mine A unit of JK Cement Ltd. with total excavation of 9.05 Million TPA (Lime Stone: 5.08 MTPA; Soil: 2.94 MTPA and OB:1.03 MTPA) with Crusher capacity - 1800 TPH in the mine lease area of 3095.23 ha. located at Village(s) - Koni, Boda, Gudha, Maharajganj, Ganiyari, Vanbhai, Simariya, Devri, Pagra & Kuluwa, Tehsil -Simariya, District - Panna, M.P.		PANNA					

**Parivesh portal uploading EC compliance.**

<p>iv.</p>	<p>A separate 'Environmental Management Cell' with suitable qualified manpower should be set-up under the control of a Senior Executive. The Senior Executive shall directly report to Head of the Organization. Adequate number of qualified Environmental Scientists and Mining Engineers shall be appointed and submit a report to RO, MoEF&amp;CC.</p>	<p><b>Complied.</b> A separate 'Environmental Management Cell' has been established under the Senior Executive who directly report to the Head of the organization.</p>  <p><b>Head of the Organization</b></p>
<p>v.</p>	<p>The concerned Regional Office of the MoEFCC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEFCC officer(s) by furnishing the requisite data /information / monitoring reports.</p>	<p><b>Being Complied.</b> Full cooperation is extended to the officers of the Regional office by furnishing the requisite data/information/ monitoring reports whenever site visit is done.</p>
<p>vi.</p>	<p>In pursuant to Ministry's O.M No 22-34/2018-IA.III dated 16.01.2020 to comply with the direction made by Hon'ble Supreme Court on 8.01.2020 in W.P. (Civil) No 114/2014 in the matter Common Cause vs Union of India, 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 other mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.</p>	<p><b>Agreed &amp; Noted.</b></p>
<p>vii.</p>	<p>The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.</p>	<p><b>Agreed &amp; Noted.</b></p>
<p>viii.</p>	<p>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 Environment (Protection) Act, 1986.</p>	<p><b>Agreed &amp; Noted.</b></p>
<p>ix.</p>	<p>The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention &amp; Control of Pollution) Act, 1974, the Air (Prevention &amp; Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments</p>	<p><b>Agreed &amp; Noted.</b></p>

	and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court and any other Court of Law relating to the subject matter.	
x.	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.	<b>Agreed &amp; Noted.</b>
<b>Amendment EC File No. J-11015/80/2020/IA .II(M), Date: 15/09/2023</b>		
<b>1. Single use plastic:</b>		
1.1	The Project Proponent shall create awareness among the local people working within the project area as well as its surrounding area on the ban of Single Use Plastic (SUP) in order to ensure the compliance of Notification published by MoEF&CC on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report.	<b>Complied.</b> Awareness program among the local people working within the project area as well as its surrounding area on the ban of Single Use Plastic (SUP) has been carried out and report with photographs are attached as <b>Annexure-7</b>
<b>2. ETP:</b>		
2.1	Project proponent needs to monitor the quality of surface run-off that may be generated in the monsoon season. Project proponent also needs to install an ETP at the workshop.	<b>Compliance on progress.</b> Presently there is no workshop in the mines however Surface runoff water quality report is enclosed as <b>Annexure -6</b>
<b>3. Mining plan:</b>		
3.1	The Project Proponent shall strictly adhere to the production schedule as per the approved mining plan dated 29.06.2022.	<b>Agreed and Complied.</b>
<b>4. Miscellaneous :</b>		
4.1	All other terms and conditions mentioned in the EC letter dated 01.11.2021 shall remain unchanged.	<b>Noted.</b>
<b>5. Public hearing:</b>		
5.1	Construction of boundary wall around the cremation ground in Semariya Village needs to be completed within 1 year as per the commitments during public hearing.	<b>Complied.</b> Construction of boundary wall around the cremation ground in Semariya Village is completed. Photo enclosed in given below.
		
<b><u>Boundary wall</u></b>		
<b>6. Road transportation:</b>		



6.1	The Project Proponent should use the road for transportation of mineral from Crusher to Cement Plant for two years only and later the same shall be transported by Over Land Belt Conveyor. The capacity of truck/ tipper should be 30T only.	<b>Agreed and Compliance in progress.</b> OLBC will be completed before Aug 2025 as per amended EC.
6.2	The Project Proponent needs to increase the width of the road such that the width of the road shall be 3 times the width of the truck. The implementation status of the same along with the photographs shall be submitted to MoEFCC, RO Bhopal.	<b>Agreed and Complying</b>
6.3	The Project Proponent needs to undertake all the adequate measures to suppress the dust during transportation. The Project Proponent shall monitor the impact of transportation by road w.r.t fugitive dust emission and shall submit the report quarterly to the MoEFCC, RO Bhopal.	<b>Agreed and being complied.</b> 02 Nos. of Water tankers have been deployed for regular water sprinkling on transportation roads, loading and unloading areas. Water spray system at crusher has been installed to controlled fugitive emission from crusher. Air pollution level is well within the prescribed norms by the MoEF&CC/ CPCB.
<b>7. Skill Development:</b>		
7.1	The Project Proponent needs to provide the apprenticeship to the local people. The data and the outcome should be maintained for the same imparted to the local people.	<b>Agreed and Being Complied.</b> Employment based apprenticeship / internship training program through ITI has been provided to 27 Nos. local residents. During FY:2023-24.
<b>8. Water conservation:</b>		
8.1	The Project Proponent needs to complete the construction of rain water harvesting structures within 6 months from the date of issue of this EC and the implementation status of the same shall be submitted to MoEFCC, RO Bhopal.	<b>Complied.</b> Two rainwater harvesting pits has been completed
<b>9. Wild Life conservation:</b>		
9.1	The progress of Implementation of the Wild life Conservation Plan in consultation with Forest Department shall be reported to MoEFCC, RO Bhopal half yearly.	<b>Agreed and being complied.</b> We have deposited total amount of Rs. 61.25 Lakhs ( For FY 2021-22, 2022-23, 2023-24). Follow-up is being done with Forest Deptt. for implementation WLCP. Approval letter, Demand letter and follow-up letter Amount deposited letter. Copy is enclosed as <b>Annexure -3.</b>

Yours Sincerely

For JK Cement Limited, Panna



**(Kapil Agrawal)**

**Unit Head**

**JK Cement Limited**

**Koni Simariya Limestone Mines**

TEST REPORT CODE: VGL/A/23/11/30/010

TEST REPORT ISSUE DATE: 07.11.2023

**TEST REPORT (AMBIENT AIR)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : NEAR KONI MINE CRUSHER

**Duration of Sampling** : 28.11.2023 TO 29.11.2023

**Time of Sampling** : 10:10 AM TO 09:10 AM

**Sampling Done by** : ASHISH KUMAR & RAHUL

**Packing Condition** : SEALED

**Sample Id No.** : 010

**Environmental Condition Temp.(°C) & RH (%)** : 27.5 & 60.0

**Method of Sampling** : IS:5182

**Sample Receiving Date** : 30.11.2023

**Sample Processing Date** : 30.11.2023 TO 07.12.2023

**Equipment Used** : RESPIRABLE DUST SAMPLER (PM 10)  
FINE PARTICULATE SAMPLER (PM 2.5)

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	39.6	µg/m <sup>3</sup>	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	75.4	µg/m <sup>3</sup>	100.0
3.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part-2)	15.9	µg/m <sup>3</sup>	80.0
4.	Nitrogen Dioxides (NO <sub>2</sub> )	IS 5182 (Part-6)	25.8	µg/m <sup>3</sup>	80.0
5.	Corban Monoxide (CO)	IS 5182 (Part-10)	0.69	mg/m <sup>3</sup>	4.0

Page 1 of 1

**Note:**

1. 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.
2. The sample will be destroyed after 15days from the date of issue of test certificate unless otherwise specified.
3. Any discrepancy in test result should be reported within 15Days.
4. The above results are related to the tested sample only.

Review By:

Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory  
Authorised SignatoryD. K. Yadav  
Lab In-charge

TEST REPORT CODE: VGL/A/23/11/30/011

TEST REPORT ISSUE DATE: 07.12.2023

**TEST REPORT (AMBIENT AIR)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : NEAR KONI MINE OFFICE

**Duration of Sampling** : 28.11.2023 TO 29.11.2023

**Time of Sampling** : 10:25 AM TO 09:25 AM

**Sampling Done by** : ASHISH KUMAR & RAHUL

**Packing Condition** : SEALED

**Sample Id No.** : 011

**Environmental Condition Temp.(°C) & RH (%)** : 27.5 & 60.0

**Method of Sampling** : IS:5182

**Sample Receiving Date** : 30.11.2023

**Sample Processing Date** : 30.11.2023 TO 07.12.2023

**Equipment Used** : RESPIRABLE DUST SAMPLER (PM 10)  
FINE PARTICULATE SAMPLER (PM 2.5)

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	31.5	µg/m <sup>3</sup>	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	66.9	µg/m <sup>3</sup>	100.0
3.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part-2)	12.8	µg/m <sup>3</sup>	80.0
4.	Nitrogen Dioxides (NO <sub>2</sub> )	IS 5182 (Part-6)	21.7	µg/m <sup>3</sup>	80.0
5.	Corban Monoxide (CO)	IS 5182 (Part-10)	0.58	mg/m <sup>3</sup>	4.0

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4. The above results are related to the tested sample only.

Review By:  
  
Lucknow

Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory

Authorized Signatory

D. K. Yadav  
Lab In-charge

TEST REPORT CODE: VGL/A/23/11/30/012

TEST REPORT ISSUE DATE: 07.12.2023

**TEST REPORT (AMBIENT AIR)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : NEAR KONI MINE PIT - 01

**Duration of Sampling** : 28.11.2023 TO 29.11.2023

**Time of Sampling** : 10:40 AM TO 09:40 AM

**Sampling Done by** : ASHISH KUMAR & RAHUL

**Packing Condition** : SEALED

**Sample Id No.** : 012

**Environmental Condition Temp.(°C) & RH (%)** : 27.5 & 60.0

**Method of Sampling** : IS:5182

**Sample Receiving Date** : 30.11.2023

**Sample Processing Date** : 30.11.2023 TO 07.12.2023

**Equipment Used** : RESPIRABLE DUST SAMPLER (PM 10)  
FINE PARTICULATE SAMPLER (PM 2.5)

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	35.2	µg/m <sup>3</sup>	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	69.8	µg/m <sup>3</sup>	100.0
3.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part-2)	15.3	µg/m <sup>3</sup>	80.0
4.	Nitrogen Dioxides (NO <sub>2</sub> )	IS 5182 (Part-6)	26.7	µg/m <sup>3</sup>	80.0
5.	Corban Monoxide (CO)	IS 5182 (Part-10)	0.68	mg/m <sup>3</sup>	4.0

Page 1 of 1

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory

Authorized Signatory

D. K. Yadav  
Lab In-charge



**TEST REPORT (AMBIENT AIR)**

<b>Name and Address of Customer</b>	: M/s. J K CEMENT WORKS, PANNA (A UNIT OF JK CEMENT LIMITED.) VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ, DISTT. - PANNA, 488441 (M.P)
<b>Sampling Location</b>	: SIMARIYA VILLAGE
<b>Duration of Sampling</b>	: 26.11.2023 TO 27.11.2023
<b>Time of Sampling</b>	: 11:30 AM TO 10:30 AM
<b>Sampling Done by</b>	: ASHISH KUMAR & RAHUL
<b>Packing Condition</b>	: SEALED
<b>Sample Id No.</b>	: 015
<b>Environmental Condition Temp.(°C) &amp; RH (%)</b>	: 27.5 & 60.0
<b>Method of Sampling</b>	: IS:5182
<b>Sample Receiving Date</b>	: 30.11.2023
<b>Sample Processing Date</b>	: 30.11.2023 TO 07.12.2023
<b>Equipment Used</b>	: RESPIRABLE DUST SAMPLER (PM 10) FINE PARTICULATE SAMPLER (PM 2.5)

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	32.5	µg/m <sup>3</sup>	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	62.4	µg/m <sup>3</sup>	100.0
3.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part-2)	12.3	µg/m <sup>3</sup>	80.0
4.	Nitrogen Dioxides (NO <sub>2</sub> )	IS 5182 (Part-6)	18.6	µg/m <sup>3</sup>	80.0
5.	Corban Monoxide (CO)	IS 5182 (Part-10)	0.59	mg/m <sup>3</sup>	4.0

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3. Any discrepancy in test result should be reported within 15Days.
4. The above results are related to the tested sample only.

Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory

Authorized Signatory

D. K. Yadav  
Lab In-charge

TEST REPORT CODE: VGL/A/23/11/30/016

TEST REPORT ISSUE DATE: 07.12.2023

**TEST REPORT (AMBIENT AIR)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : TIGHARA VILLAGE

**Duration of Sampling** : 26.11.2023 TO 27.11.2023

**Time of Sampling** : 11:40 AM TO 10:40 AM

**Sampling Done by** : ASHISH KUMAR & RAHUL

**Packing Condition** : SEALED

**Sample Id No.** : 016

**Environmental Condition Temp.(°C) & RH (%)** : 27.5 & 60.0

**Method of Sampling** : IS:5182

**Sample Receiving Date** : 30.11.2023

**Sample Processing Date** : 30.11.2023 TO 07.12.2023

**Equipment Used** : RESPIRABLE DUST SAMPLER (PM 10)  
FINE PARTICULATE SAMPLER (PM 2.5)

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	30.4	µg/m <sup>3</sup>	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	65.2	µg/m <sup>3</sup>	100.0
3.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part-2)	13.2	µg/m <sup>3</sup>	80.0
4.	Nitrogen Dioxides (NO <sub>2</sub> )	IS 5182 (Part-6)	22.8	µg/m <sup>3</sup>	80.0
5.	Corban Monoxide (CO)	IS 5182 (Part-10)	0.62	mg/m <sup>3</sup>	4.0

Page 1 of 1

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Review By:

Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory

Authorised Signatory

D. K. Yadav  
Lab In-charge

TEST REPORT CODE: VGL/A/23/11/30/017

TEST REPORT ISSUE DATE: 07.12.2023

**TEST REPORT (AMBIENT AIR)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : SUHWANI KALAN VILLAGE

**Duration of Sampling** : 26.11.2023 TO 27.11.2023

**Time of Sampling** : 12:05 PM TO 11:05 AM

**Sampling Done by** : ASHISH KUMAR & RAHUL

**Packing Condition** : SEALED

**Sample Id No.** : 017

**Environmental Condition Temp.(°C) & RH (%)** : 27.5 & 60.0

**Method of Sampling** : IS:5182

**Sample Receiving Date** : 30.11.2023

**Sample Processing Date** : 30.11.2023 TO 07.12.2023

**Equipment Used** : RESPIRABLE DUST SAMPLER (PM 10)  
FINE PARTICULATE SAMPLER (PM 2.5)

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	32.6	µg/m <sup>3</sup>	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	60.9	µg/m <sup>3</sup>	100.0
3.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part-2)	12.5	µg/m <sup>3</sup>	80.0
4.	Nitrogen Dioxides (NO <sub>2</sub> )	IS 5182 (Part-6)	21.3	µg/m <sup>3</sup>	80.0
5.	Corban Monoxide (CO)	IS 5182 (Part-10)	0.54	mg/m <sup>3</sup>	4.0

Page 1 of 1

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory

Authorized Signatory

D. K. Yadav  
Lab In-charge

TEST REPORT CODE: VGL/A/23/11/30/018

TEST REPORT ISSUE DATE: 07.12.2023

**TEST REPORT (AMBIENT AIR)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : KHOLKAHIYA VILLAGE

**Duration of Sampling** : 26.11.2023 TO 27.11.2023

**Time of Sampling** : 12:20 PM TO 11:20 AM

**Sampling Done by** : ASHISH KUMAR & RAHUL

**Packing Condition** : SEALED

**Sample Id No.** : 018

**Environmental Condition Temp.(°C) & RH (%)** : 27.5 & 60.0

**Method of Sampling** : IS:5182

**Sample Receiving Date** : 30.11.2023

**Sample Processing Date** : 30.11.2023 TO 07.12.2023

**Equipment Used** : RESPIRABLE DUST SAMPLER (PM 10)  
FINE PARTICULATE SAMPLER (PM 2.5)

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	30.2	µg/m <sup>3</sup>	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	34.5	µg/m <sup>3</sup>	100.0
3.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part-2)	13.1	µg/m <sup>3</sup>	80.0
4.	Nitrogen Dioxides (NO <sub>2</sub> )	IS 5182 (Part-6)	20.8	µg/m <sup>3</sup>	80.0
5.	Corban Monoxide (CO)	IS 5182 (Part-10)	0.63	mg/m <sup>3</sup>	4.0

Page 1 of 1

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory

Authorized Signatory

D. K. Yadav  
Lab In-charge



TEST REPORT CODE: VGL/A/23/11/30/019

TEST REPORT ISSUE DATE: 07.12.2023

**TEST REPORT (AMBIENT AIR)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : GARHI KARHIYA VILLAGE

**Duration of Sampling** : 26.11.2023 TO 27.11.2023

**Time of Sampling** : 12:35 PM TO 11:35 AM

**Sampling Done by** : VGL STAFF

**Packing Condition** : SEALED

**Sample Id No.** : 019

**Environmental Condition Temp.(°C) & RH (%)** : 27.5 & 60.0

**Method of Sampling** : IS:5182

**Sample Receiving Date** : 30.11.2023

**Sample Processing Date** : 30.11.2023 TO 07.12.2023

**Equipment Used** : RESPIRABLE DUST SAMPLER (PM 10)  
FINE PARTICULATE SAMPLER (PM 2.5)

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	32.6	µg/m <sup>3</sup>	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	57.27	µg/m <sup>3</sup>	100.0
3.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part-2)	15.2	µg/m <sup>3</sup>	80.0
4.	Nitrogen Dioxides (NO <sub>2</sub> )	IS 5182 (Part-6)	23.6	µg/m <sup>3</sup>	80.0
5.	Corban Monoxide (CO)	IS 5182 (Part-10)	0.58	mg/m <sup>3</sup>	4.0

Page 1 of 1

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory

Authorized Signatory

D. K. Yadav  
Lab In-charge

TEST REPORT CODE: VGL/A/23/11/30/020

TEST REPORT ISSUE DATE: 07.12.2023

**TEST REPORT (AMBIENT AIR)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : KHAMAGAUR VILLAGE

**Duration of Sampling** : 26.11.2023 TO 27.11.2023

**Time of Sampling** : 12:50 PM TO 11:50 AM

**Sampling Done by** : ASHISH KUMAR & RAHUL

**Packing Condition** : SEALED

**Sample Id No.** : 020

**Environmental Condition Temp.(°C) & RH (%)** : 27.5 & 60.0

**Method of Sampling** : IS:5182

**Sample Receiving Date** : 30.11.2023

**Sample Processing Date** : 30.11.2023 TO 07.12.2023

**Equipment Used** : RESPIRABLE DUST SAMPLER (PM 10)  
FINE PARTICULATE SAMPLER (PM 2.5)

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	31.6	µg/m <sup>3</sup>	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	65.3	µg/m <sup>3</sup>	100.0
3.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part-2)	13.8	µg/m <sup>3</sup>	80.0
4.	Nitrogen Dioxides (NO <sub>2</sub> )	IS 5182 (Part-6)	25.6	µg/m <sup>3</sup>	80.0
5.	Corban Monoxide (CO)	IS 5182 (Part-10)	0.68	mg/m <sup>3</sup>	4.0

Page 1 of 1

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory

Authorized Signatory

D. K. Yadav  
Lab In-charge

TEST REPORT CODE: VGL/A/23/11/30/013

TEST REPORT ISSUE DATE: 07.12.2023

**TEST REPORT (AMBIENT AIR)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : NEAR MINE BOUNDARY TOWORD BODA VILLAGE.

**Duration of Sampling** : 28.11.2023 TO 29.11.2023

**Time of Sampling** : 11:40 AM TO 10:40 AM

**Sampling Done by** : ASHISH KUMAR & RAHUL

**Packing Condition** : SEALED

**Sample Id No.** : 013

**Environmental Condition Temp.(°C) & RH (%)** : 27.5 & 60.0

**Method of Sampling** : IS:5182

**Sample Receiving Date** : 30.11.2023

**Sample Processing Date** : 30.11.2023 TO 07.12.2023

**Equipment Used** : RESPIRABLE DUST SAMPLER (PM 10)  
FINE PARTICULATE SAMPLER (PM 2.5)

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	32.8	µg/m <sup>3</sup>	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	72.4	µg/m <sup>3</sup>	100.0
3.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part-2)	15.3	µg/m <sup>3</sup>	80.0
4.	Nitrogen Dioxides (NO <sub>2</sub> )	IS 5182 (Part-6)	26.1	µg/m <sup>3</sup>	80.0
5.	Corban Monoxide (CO)	IS 5182 (Part-10)	0.78	mg/m <sup>3</sup>	4.0

Page 1 of 1

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory

Authorized Signatory

D. K. Yadav  
Lab In-charge

TEST REPORT CODE: VGL/A/23/11/30/014

TEST REPORT ISSUE DATE: 07.12.2023

**TEST REPORT (AMBIENT AIR)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : **BOD VILLAGE SCHOOL**

**Duration of Sampling** : 28.11.2023 TO 29.11.2023

**Time of Sampling** : 11:15 AM TO 10:15 AM

**Sampling Done by** : VGL STAFF

**Packing Condition** : SEALED

**Sample Id No.** : 014

**Environmental Condition Temp.(°C) & RH (%)** : 27.5 & 60.0

**Method of Sampling** : IS:5182

**Sample Receiving Date** : 30.11.2023

**Sample Processing Date** : 30.11.2023 TO 07.12.2023

**Equipment Used** : RESPIRABLE DUST SAMPLER (PM 10)  
FINE PARTICULATE SAMPLER (PM 2.5)

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	24.8	µg/m <sup>3</sup>	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	50.6	µg/m <sup>3</sup>	100.0
3.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part-2)	10.7	µg/m <sup>3</sup>	80.0
4.	Nitrogen Dioxides (NO <sub>2</sub> )	IS 5182 (Part-6)	16.3	µg/m <sup>3</sup>	80.0
5.	Corban Monoxide (CO)	IS 5182 (Part-10)	0.42	mg/m <sup>3</sup>	4.0

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory

Authorized Signatory

D. K. Yadav  
Lab In-charge



TEST REPORT CODE: VGL/A/24/01/15/010

TEST REPORT ISSUE DATE: 22.01.2024

**TEST REPORT (AMBIENT AIR)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : NEAR KONI MINE CRUSHER

**Duration of Sampling** : 10.01.2024 TO 11.01.2024

**Time of Sampling** : 10:55 AM TO 09:55 AM

**Sampling Done by** : ASHISH KUMAR & RAHUL

**Packing Condition** : SEALED

**Sample Id No.** : 010

**Environmental Condition Temp.(°C) & RH (%)** : 21.5 & 62.0

**Method of Sampling** : IS:5182

**Sample Receiving Date** : 15.01.2024

**Sample Processing Date** : 15.01.2024 TO 22.01.2024

**Equipment Used** : RESPIRABLE DUST SAMPLER (PM 10)  
FINE PARTICULATE SAMPLER (PM 2.5)

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	40.2	µg/m <sup>3</sup>	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	81.4	µg/m <sup>3</sup>	100.0
3.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part-2)	18.6	µg/m <sup>3</sup>	80.0
4.	Nitrogen Dioxides (NO <sub>2</sub> )	IS 5182 (Part-6)	30.2	µg/m <sup>3</sup>	80.0
5.	Corban Monoxide (CO)	IS 5182 (Part-10)	0.75	mg/m <sup>3</sup>	4.0

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory

Authorized Signatory

D. K. Yadav  
Lab In-charge

TEST REPORT CODE: VGL/A/24/01/15/011

TEST REPORT ISSUE DATE: 22.01.2024

**TEST REPORT (AMBIENT AIR)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : NEAR KONI MINE OFFICE

**Duration of Sampling** : 10.01.2024 TO 11.01.2024

**Time of Sampling** : 11:15 AM TO 10:15 AM

**Sampling Done by** : ASHISH KUMAR & RAHUL

**Packing Condition** : SEALED

**Sample Id No.** : 011

**Environmental Condition Temp.(°C) & RH (%)** : 21.5 & 62.0

**Method of Sampling** : IS:5182

**Sample Receiving Date** : 15.01.2024

**Sample Processing Date** : 15.01.2024 TO 22.01.2024

**Equipment Used** : RESPIRABLE DUST SAMPLER (PM 10)  
FINE PARTICULATE SAMPLER (PM 2.5)

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	33.2	µg/m <sup>3</sup>	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	68.7	µg/m <sup>3</sup>	100.0
3.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part-2)	14.5	µg/m <sup>3</sup>	80.0
4.	Nitrogen Dioxides (NO <sub>2</sub> )	IS 5182 (Part-6)	25.6	µg/m <sup>3</sup>	80.0
5.	Corban Monoxide (CO)	IS 5182 (Part-10)	0.60	mg/m <sup>3</sup>	4.0

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory

Authorised Signatory

D. K. Yadav  
Lab In-charge

TEST REPORT CODE: VGL/A/24/01/15/012

TEST REPORT ISSUE DATE: 22.01.2024

**TEST REPORT (AMBIENT AIR)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : NEAR KONI MINE PIT - 01

**Duration of Sampling** : 10.01.2024 TO 11.01.2024

**Time of Sampling** : 11:35 AM TO 10:35 AM

**Sampling Done by** : ASHISH KUMAR & RAHUL

**Packing Condition** : SEALED

**Sample Id No.** : 012

**Environmental Condition Temp.(°C) & RH (%)** : 21.5 & 62.0

**Method of Sampling** : IS:5182

**Sample Receiving Date** : 15.01.2024

**Sample Processing Date** : 15.01.2024 TO 22.01.2024

**Equipment Used** : RESPIRABLE DUST SAMPLER (PM 10)  
FINE PARTICULATE SAMPLER (PM 2.5)

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	38.6	µg/m <sup>3</sup>	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	79.6	µg/m <sup>3</sup>	100.0
3.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part-2)	19.2	µg/m <sup>3</sup>	80.0
4.	Nitrogen Dioxides (NO <sub>2</sub> )	IS 5182 (Part-6)	29.3	µg/m <sup>3</sup>	80.0
5.	Corban Monoxide (CO)	IS 5182 (Part-10)	0.72	mg/m <sup>3</sup>	4.0

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory

Authorised Signatory

D. K. Yadav  
Lab In-charge

TEST REPORT CODE: VGL/A/24/01/15/028

TEST REPORT ISSUE DATE: 22.01.2024

**TEST REPORT (AMBIENT AIR)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : SIMARIYA VILLAGE

**Duration of Sampling** : 09.01.2024 TO 10.01.2024

**Time of Sampling** : 10:05 AM TO 09:05 AM

**Sampling Done by** : VIRENDRA KUMAR & RAHUL

**Packing Condition** : SEALED

**Sample Id No.** : 028

**Environmental Condition Temp.(°C) & RH (%)** : 21.5 & 62.0

**Method of Sampling** : IS:5182

**Sample Receiving Date** : 15.01.2024

**Sample Processing Date** : 15.01.2024 TO 22.01.2024

**Equipment Used** : RESPIRABLE DUST SAMPLER (PM 10)  
FINE PARTICULATE SAMPLER (PM 2.5)

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	31.2	µg/m <sup>3</sup>	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	65.8	µg/m <sup>3</sup>	100.0
3.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part-2)	14.8	µg/m <sup>3</sup>	80.0
4.	Nitrogen Dioxides (NO <sub>2</sub> )	IS 5182 (Part-6)	20.3	µg/m <sup>3</sup>	80.0
5.	Corban Monoxide (CO)	IS 5182 (Part-10)	0.63	mg/m <sup>3</sup>	4.0

Page 1 of 1

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2. The sample will be destroyed after 15days from the date of issue of test certificate unless otherwise specified.
3. Any discrepancy in test result should be reported within 15Days.
4. The above results are related to the tested sample only.

Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory

Authorised Signatory

D. K. Yadav  
Lab In-charge



TEST REPORT CODE: VGL/A/24/01/15/029

TEST REPORT ISSUE DATE: 22.01.2024

**TEST REPORT (AMBIENT AIR)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : TIGHARA VILLAGE

**Duration of Sampling** : 09.01.2024 TO 10.01.2024

**Time of Sampling** : 10:25 AM TO 09:25 AM

**Sampling Done by** : VIRENDRA KUMAR & RAHUL

**Packing Condition** : SEALED

**Sample Id No.** : 029

**Environmental Condition Temp.(°C) & RH (%)** : 21.5 & 62.0

**Method of Sampling** : IS:5182

**Sample Receiving Date** : 15.01.2024

**Sample Processing Date** : 15.01.2024 TO 22.01.2024

**Equipment Used** : RESPIRABLE DUST SAMPLER (PM 10)  
FINE PARTICULATE SAMPLER (PM 2.5)

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	34.2	µg/m <sup>3</sup>	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	68.6	µg/m <sup>3</sup>	100.0
3.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part-2)	15.3	µg/m <sup>3</sup>	80.0
4.	Nitrogen Dioxides (NO <sub>2</sub> )	IS 5182 (Part-6)	25.4	µg/m <sup>3</sup>	80.0
5.	Corban Monoxide (CO)	IS 5182 (Part-10)	0.67	mg/m <sup>3</sup>	4.0

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3. Any discrepancy in test result should be reported within 15Days.
4. The above results are related to the tested sample only.

Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory

Authorized Signatory

D. K. Yadav  
Lab In-charge

TEST REPORT CODE: VGL/A/24/01/15/030

TEST REPORT ISSUE DATE: 22.01.2024

**TEST REPORT (AMBIENT AIR)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : SUHWANI KALAN VILLAGE

**Duration of Sampling** : 09.01.2024 TO 10.01.2024

**Time of Sampling** : 10:35 AM TO 09:35 AM

**Sampling Done by** : VIRENDRA KUMAR & RAHUL

**Packing Condition** : SEALED

**Sample Id No.** : 030

**Environmental Condition Temp.(°C) & RH (%)** : 21.5 & 62.0

**Method of Sampling** : IS:5182

**Sample Receiving Date** : 15.01.2024

**Sample Processing Date** : 15.01.2024 TO 22.01.2024

**Equipment Used** : RESPIRABLE DUST SAMPLER (PM 10)  
FINE PARTICULATE SAMPLER (PM 2.5)

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	28.9	µg/m <sup>3</sup>	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	57.5	µg/m <sup>3</sup>	100.0
3.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part-2)	13.2	µg/m <sup>3</sup>	80.0
4.	Nitrogen Dioxides (NO <sub>2</sub> )	IS 5182 (Part-6)	18.9	µg/m <sup>3</sup>	80.0
5.	Corban Monoxide (CO)	IS 5182 (Part-10)	0.51	mg/m <sup>3</sup>	4.0

Page 1 of 1

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4. The above results are related to the tested sample only.

Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory  
  
Authorised SignatoryD. K. Yadav  
Lab In-charge

TEST REPORT CODE: VGL/A/24/01/15/031

TEST REPORT ISSUE DATE: 22.01.2024

**TEST REPORT (AMBIENT AIR)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : KHOLKAHIYA VILLAGE

**Duration of Sampling** : 09.01.2024 TO 10.01.2024

**Time of Sampling** : 10:55 AM TO 09:55 AM

**Sampling Done by** : VIRENDRA KUMAR & RAHUL

**Packing Condition** : SEALED

**Sample Id No.** : 031

**Environmental Condition Temp.(°C) & RH (%)** : 21.5 & 62.0

**Method of Sampling** : IS:5182

**Sample Receiving Date** : 15.01.2024

**Sample Processing Date** : 15.01.2024 TO 22.01.2024

**Equipment Used** : RESPIRABLE DUST SAMPLER (PM 10)  
FINE PARTICULATE SAMPLER (PM 2.5)

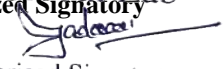
**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	31.4	µg/m <sup>3</sup>	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	54.5	µg/m <sup>3</sup>	100.0
3.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part-2)	15.2	µg/m <sup>3</sup>	80.0
4.	Nitrogen Dioxides (NO <sub>2</sub> )	IS 5182 (Part-6)	22.4	µg/m <sup>3</sup>	80.0
5.	Corban Monoxide (CO)	IS 5182 (Part-10)	0.61	mg/m <sup>3</sup>	4.0

Page 1 of 1

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory  
Authorised SignatoryD. K. Yadav  
Lab In-charge

TTEST REPORT CODE: VGL/A/24/01/15/032

TEST REPORT ISSUE DATE: 22.01.2024

**TEST REPORT (AMBIENT AIR)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : GARHI KARHIYA VILLAGE

**Duration of Sampling** : 09.01.2024 TO 10.01.2024

**Time of Sampling** : 11:15 AM TO 10:15 AM

**Sampling Done by** : VIRENDRA KUMAR & RAHUL

**Packing Condition** : SEALED

**Sample Id No.** : 032

**Environmental Condition Temp.(°C) & RH (%)** : 21.5 & 62.0

**Method of Sampling** : IS:5182

**Sample Receiving Date** : 15.01.2024

**Sample Processing Date** : 15.01.2024 TO 22.01.2024

**Equipment Used** : RESPIRABLE DUST SAMPLER (PM 10)  
FINE PARTICULATE SAMPLER (PM 2.5)

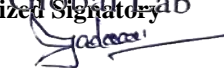
**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	34.2	µg/m <sup>3</sup>	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	67.4	µg/m <sup>3</sup>	100.0
3.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part-2)	18.6	µg/m <sup>3</sup>	80.0
4.	Nitrogen Dioxides (NO <sub>2</sub> )	IS 5182 (Part-6)	25.3	µg/m <sup>3</sup>	80.0
5.	Corban Monoxide (CO)	IS 5182 (Part-10)	0.62	mg/m <sup>3</sup>	4.0

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory  
Authorized SignatoryD. K. Yadav  
Lab In-charge



TEST REPORT CODE: VGL/A/24/01/15/033

TEST REPORT ISSUE DATE: 22.01.2024

**TEST REPORT (AMBIENT AIR)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : KHAMAGAUR VILLAGE

**Duration of Sampling** : 09.01.2024 TO 10.01.2024

**Time of Sampling** : 11:45 AM TO 10:45 AM

**Sampling Done by** : VIRENDRA KUMAR & RAHUL

**Packing Condition** : SEALED

**Sample Id No.** : 033

**Environmental Condition Temp.(°C) & RH (%)** : 21.5 & 62.0

**Method of Sampling** : IS:5182

**Sample Receiving Date** : 15.01.2024

**Sample Processing Date** : 15.01.2024 TO 22.01.2024

**Equipment Used** : RESPIRABLE DUST SAMPLER (PM 10)  
FINE PARTICULATE SAMPLER (PM 2.5)

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	35.2	µg/m <sup>3</sup>	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	71.4	µg/m <sup>3</sup>	100.0
3.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part-2)	18.6	µg/m <sup>3</sup>	80.0
4.	Nitrogen Dioxides (NO <sub>2</sub> )	IS 5182 (Part-6)	29.6	µg/m <sup>3</sup>	80.0
5.	Corban Monoxide (CO)	IS 5182 (Part-10)	0.71	mg/m <sup>3</sup>	4.0

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory

Authorized Signatory

D. K. Yadav  
Lab In-charge

TEST REPORT CODE: VGL/A/24/01/15/013

TEST REPORT ISSUE DATE: 22.01.2024

**TEST REPORT (AMBIENT AIR)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : NEAR MINE BOUNDARY TOWORD BODA VILLAGE.

**Duration of Sampling** : 09.01.2024 TO 10.01.2024

**Time of Sampling** : 11:25 AM TO 10:25 AM

**Sampling Done by** : VIRENDRA KUMAR & RAHUL

**Packing Condition** : SEALED

**Sample Id No.** : 013

**Environmental Condition Temp.(°C) & RH (%)** : 21.5 & 62.0

**Method of Sampling** : IS:5182

**Sample Receiving Date** : 15.01.2024

**Sample Processing Date** : 15.01.2024 TO 22.01.2024

**Equipment Used** : RESPIRABLE DUST SAMPLER (PM 10)  
FINE PARTICULATE SAMPLER (PM 2.5)

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	34.8	µg/m <sup>3</sup>	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	75.6	µg/m <sup>3</sup>	100.0
3.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part-2)	19.2	µg/m <sup>3</sup>	80.0
4.	Nitrogen Dioxides (NO <sub>2</sub> )	IS 5182 (Part-6)	28.5	µg/m <sup>3</sup>	80.0
5.	Corban Monoxide (CO)	IS 5182 (Part-10)	0.73	mg/m <sup>3</sup>	4.0

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory

Authorized Signatory

D. K. Yadav  
Lab In-charge

TEST REPORT CODE: VGL/A/24/01/15/014

TEST REPORT ISSUE DATE: 22.01.2024

**TEST REPORT (AMBIENT AIR)**

Name and Address of Customer : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

Sampling Location : BOD VILLAGE SCHOOL

Duration of Sampling : 09.01.2024 TO 10.01.2024

Time of Sampling : 11:45 AM TO 10:45 AM

Sampling Done by : VIRENDRA KUMAR & RAHUL

Packing Condition : SEALED

Sample Id No. : 014

Environmental Condition Temp.(°C) & RH (%) : 21.5 & 62.0

Method of Sampling : IS:5182

Sample Receiving Date : 15.01.2024

Sample Processing Date : 15.01.2024 TO 22.01.2024

Equipment Used : RESPIRABLE DUST SAMPLER (PM 10)  
FINE PARTICULATE SAMPLER (PM 2.5)

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	28.6	µg/m <sup>3</sup>	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	62.8	µg/m <sup>3</sup>	100.0
3.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part-2)	12.7	µg/m <sup>3</sup>	80.0
4.	Nitrogen Dioxides (NO <sub>2</sub> )	IS 5182 (Part-6)	19.8	µg/m <sup>3</sup>	80.0
5.	Corban Monoxide (CO)	IS 5182 (Part-10)	0.52	mg/m <sup>3</sup>	4.0

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory

Authorized Signatory

D. K. Yadav  
Lab In-charge

Test Report Code : VGL/N/23/12/02/001

Report Issue Date : 07.12.2023

**TEST REPORT (NOISE)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : NEAR SECURITY OFFICE (KONI MINE)

**Date & Duration of Sampling** : 29.11.2023 & 24 Hrs.

**Sampling Done by** : VIRENDRA KUMAR

**Method of Sampling** : IS:9989

**Sample Receiving Date** : 02.12.2023

**Sample processing Date** : 02.12.2023

**AMBIENT NOISE RESULT**

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	NEAR KONI MINE	6:00 AM TO 10:00 PM	61.8	10.00 PM TO 6:00 AM	54.7

**NOISE (AMBIENT STANDARDS AS PER CPCB)**

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory

Authorized Signatory

D. K. Yadav  
Lab In-charge



Test Report Code : VGL/N/23/12/02/002

Report Issue Date : 07.12.2023

**TEST REPORT (NOISE)**

Name and Address of Customer : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

Sampling Location : NEAR OFFICE AREA (KONI MINE)

Date & Duration of Sampling : 29.11.2023 & 24 Hrs.

Sampling Done by : RAHUL

Method of Sampling : IS:9989

Sample Receiving Date : 02.12.2023

Sample processing Date : 02.12.2023

**AMBIENT NOISE RESULT**

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	NEAR KONI MINE OFFICE	6:00 AM TO 10:00 PM	65.3	10.00 PM TO 6:00 AM	54.8

**NOISE (AMBIENT STANDARDS AS PER CPCB)**

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory  
  
Authorised SignatoryD. K. Yadav  
Lab In-charge

Test Report Code : VGL/N/23/12/02/003

Report Issue Date : 07.12.2023

**TEST REPORT (NOISE)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : NEAR PIT – 01 (KONI MINE)

**Date & Duration of Sampling** : 29.11.2023 & 24 Hrs.

**Sampling Done by** : VIRENDRA KUMAR

**Method of Sampling** : IS:9989

**Sample Receiving Date** : 02.12.2023

**Sample processing Date** : 02.12.2023

**AMBIENT NOISE RESULT**

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	NEAR KONI MINE PIT - 01	6:00 AM TO 10:00 PM	62.8	10.00 PM TO 6:00 AM	51.6

**NOISE (AMBIENT STANDARDS AS PER CPCB)**

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory  
  
Authorised SignatoryD. K. Yadav  
Lab In-charge

Test Report Code : VGL/N/23/12/02/004

Report Issue Date : 07.12.2023

**TEST REPORT (NOISE)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : NEAR PIT – 02 (KONI MINE)

**Date & Duration of Sampling** : 29.11.2023 & 24 Hrs.

**Sampling Done by** : RAHUL

**Method of Sampling** : IS:9989

**Sample Receiving Date** : 02.12.2023

**Sample processing Date** : 02.12.2023

**AMBIENT NOISE RESULT**

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	NEAR KONI MINE PIT - 02	6:00 AM TO 10:00 PM	64.9	10.00 PM TO 6:00 AM	53.0

**NOISE (AMBIENT STANDARDS AS PER CPCB)**

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory

Authorized Signatory

D. K. Yadav  
Lab In-charge

Test Report Code : VGL/N/23/12/02/005

Report Issue Date : 07.12.2023

**TEST REPORT (NOISE)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : NEAR CRUSHER AREA (KONI MINE)

**Date & Duration of Sampling** : 29.11.2023 & 24 Hrs.

**Sampling Done by** : VIRENDRA KUMAR

**Method of Sampling** : IS:9989

**Sample Receiving Date** : 02.12.2023

**Sample processing Date** : 02.12.2023

**AMBIENT NOISE RESULT**

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	NEAR KONI MINE CRUSHER	6:00 AM TO 10:00 PM	60.2	10.00 PM TO 6:00 AM	48.6

**NOISE (AMBIENT STANDARDS AS PER CPCB)**

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Page 1 of 1

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- The sample will be destroyed after 15days from the date of issue of test certificate unless otherwise specified.
- Any discrepancy in test result should be reported within 15 Days.
- The above results are related to the tested sample only.

Reviewed By:  
  
Lucknow

Dr. Ashok Kumar  
Technical Manager

Virat Global Lab  
Authorized Signatory  
  
Authorized Signatory

D. K. Yadav  
Lab In-charge



Test Report Code : VGL/N/23/12/02/006

Report Issue Date : 07.12.2023

**TEST REPORT (NOISE)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : NRAR KONI MINE WEIGH BRIDGE

**Date & Duration of Sampling** : 29.11.2023 & 24 Hrs.

**Sampling Done by** : VIRENDRA KUMAR

**Method of Sampling** : IS:9989

**Sample Receiving Date** : 02.12.2023

**Sample processing Date** : 02.12.2023

**AMBIENT NOISE RESULT**

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	NRAR KONI MINE BACK SIDE	6:00 AM TO 10:00 PM	65.2	10.00 PM TO 6:00 AM	55.3

**NOISE (AMBIENT STANDARDS AS PER CPCB)**

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Page 1 of 1

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory

Authorized Signatory

D. K. Yadav  
Lab In-charge

Test Report Code : VGL/N/23/12/02/007

Report Issue Date : 07.12.2023

**TEST REPORT (NOISE)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : NEAR RESERVOIR AREA

**Date & Duration of Sampling** : 29.11.2023 & 24 Hrs.

**Sampling Done by** : RAHUL

**Method of Sampling** : IS:9989

**Sample Receiving Date** : 02.12.2023

**Sample processing Date** : 02.12.2023

**AMBIENT NOISE RESULT**

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	NEAR RESERVOIR	6:00 AM TO 10:00 PM	64.8	10.00 PM TO 6:00 AM	51.8

**NOISE (AMBIENT STANDARDS AS PER CPCB)**

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory  
  
Authorised SignatoryD. K. Yadav  
Lab In-charge

Test Report Code : VGL/N/23/11/30/033

Report Issue Date : 07.12.2023

**TEST REPORT (NOISE)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : SIMARIYA VILLAGE

**Date & Duration of Sampling** : 26.11.2023 & 24 Hrs.

**Sampling Done by** : RAHUL

**Method of Sampling** : IS:9989

**Sample Receiving Date** : 30.11.2023

**Sample processing Date** : 30.11.2023

**AMBIENT NOISE RESULT**

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	SIMARIYA VILLAGE	6:00 AM TO 10:00 PM	50.2	10.00 PM TO 6:00 AM	41.2

**NOISE (AMBIENT STANDARDS AS PER CPCB)**

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory

Authorized Signatory

D. K. Yadav  
Lab In-charge

Test Report Code : VGL/N/23/11/30/034

Report Issue Date : 07.12.2023

**TEST REPORT (NOISE)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : TIGHRA VILLAGE

**Date & Duration of Sampling** : 26.11.2023 & 24 Hrs.

**Sampling Done by** : ASHISH KUMAR

**Method of Sampling** : IS:9989

**Sample Receiving Date** : 30.11.2023

**Sample processing Date** : 30.11.2023

**AMBIENT NOISE RESULT**

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	TIGHRA VILLAGE	6:00 AM TO 10:00 PM	49.8	10.00 PM TO 6:00 AM	39.6

**NOISE (AMBIENT STANDARDS AS PER CPCB)**

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory

Authorized Signatory

D. K. Yadav  
Lab In-charge



Test Report Code : VGL/N/23/11/30/035

Report Issue Date : 07.12.2023

**TEST REPORT (NOISE)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : SUHWANI KALAN VILLAGE

**Date & Duration of Sampling** : 26.11.2023 & 24 Hrs.

**Sampling Done by** : SANDEEP KUMAR

**Method of Sampling** : IS:9989

**Sample Receiving Date** : 30.11.2023

**Sample processing Date** : 30.11.2023

**AMBIENT NOISE RESULT**

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	SUHWANI KALAN VILLAGE	6:00 AM TO 10:00 PM	52.3	10.00 PM TO 6:00 AM	40.8

**NOISE (AMBIENT STANDARDS AS PER CPCB)**

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory  
  
Authorised SignatoryD. K. Yadav  
Lab In-charge

Test Report Code : VGL/N/23/11/30/036

Report Issue Date : 07.12.2023

**TEST REPORT (NOISE)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : KHOLKAHIYA VILLAGE

**Date & Duration of Sampling** : 26.11.2023 & 24 Hrs.

**Sampling Done by** : ASHISH KUMAR

**Method of Sampling** : IS:9989

**Sample Receiving Date** : 30.11.2023

**Sample processing Date** : 30.11.2023

**AMBIENT NOISE RESULT**

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	KHOLKAHIYA VILLAGE	6:00 AM TO 10:00 PM	50.2	10.00 PM TO 6:00 AM	38.6

**NOISE (AMBIENT STANDARDS AS PER CPCB)**

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory

Authorized Signatory

D. K. Yadav  
Lab In-charge

Test Report Code : VGL/N/23/11/30/037

Report Issue Date : 07.12.2023

**TEST REPORT (NOISE)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : GARHI KARHIYA VILLAGE

**Date & Duration of Sampling** : 26.11.2023 & 24 Hrs.

**Sampling Done by** : SANDEEP SINGH

**Method of Sampling** : IS:9989

**Sample Receiving Date** : 30.11.2023

**Sample processing Date** : 30.11.2023

**AMBIENT NOISE RESULT**

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	GARHI KARHIYA VILLAGE	6:00 AM TO 10:00 PM	51.2	10.00 PM TO 6:00 AM	39.3

**NOISE (AMBIENT STANDARDS AS PER CPCB)**

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Page 1 of 1

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory  
  
Authorised SignatoryD. K. Yadav  
Lab In-charge

Test Report Code : VGL/N/23/11/30/038

Report Issue Date : 07.12.2023

**TEST REPORT (NOISE)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : KHAMAGAUR VILLAGE

**Date & Duration of Sampling** : 26.11.2023 & 24 Hrs.

**Sampling Done by** : RAHUL

**Method of Sampling** : IS:9989

**Sample Receiving Date** : 30.11.2023

**Sample processing Date** : 30.11.2023

**AMBIENT NOISE RESULT**

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	KHAMAGAUR VILLAGE	6:00 AM TO 10:00 PM	50.4	10.00 PM TO 6:00 AM	38.2

**NOISE (AMBIENT STANDARDS AS PER CPCB)**

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Page 1 of 1

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory

Authorized Signatory

D. K. Yadav  
Lab In-charge



Test Report Code : VGL/N/23/12/02/008

Report Issue Date : 07.12.2023

**TEST REPORT (NOISE)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : NEAR MINE BOUNDARY TOWARD BODA VILLAGE

**Date & Duration of Sampling** : 29.11.2023 & 24 Hrs.

**Sampling Done by** : RAHUL

**Method of Sampling** : IS:9989

**Sample Receiving Date** : 02.12.2023

**Sample processing Date** : 02.12.2023

**AMBIENT NOISE RESULT**

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	SIMARIYA VILLAGE	6:00 AM TO 10:00 PM	63.8	10.00 PM TO 6:00 AM	50.2

**NOISE (AMBIENT STANDARDS AS PER CPCB)**

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory

Authorized Signatory

D. K. Yadav  
Lab In-charge

Test Report Code : VGL/N/23/12/02/009

Report Issue Date : 09.09.2023

**TEST REPORT (NOISE)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : BODA VILLAGE SCHOOL

**Date & Duration of Sampling** : 29.11.2023 & 24 Hrs.

**Sampling Done by** : VIRENDRA KUMAR

**Method of Sampling** : IS:9989

**Sample Receiving Date** : 02.12.2023

**Sample processing Date** : 02.12.2023

**AMBIENT NOISE RESULT**

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	TIGHRA VILLAGE	6:00 AM TO 10:00 PM	48.6	10.00 PM TO 6:00 AM	38.2

**NOISE (AMBIENT STANDARDS AS PER CPCB)**

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory

Authorised Signatory

D. K. Yadav  
Lab In-charge

Test Report Code : VGL/N/24/01/15/033

Report Issue Date : 22.01.2024

## TEST REPORT (NOISE)

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : NEAR SECURITY OFFICE (KONI MINE)

**Date & Duration of Sampling** : 12.01.2024 & 24 Hrs.

**Sampling Done by** : RAHUL

**Method of Sampling** : IS:9989

**Sample Receiving Date** : 15.01.2024

**Sample processing Date** : 15.01.2024

### AMBIENT NOISE RESULT

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	NEAR KONI MINE	6:00 AM TO 10:00 PM	62.8	10.00 PM TO 6:00 AM	53.4

### NOISE (AMBIENT STANDARDS AS PER CPCB)

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory  
  
Authorised SignatoryD. K. Yadav  
Lab In-charge

Test Report Code : VGL/N/24/01/15/034

Report Issue Date : 22.01.2024

**TEST REPORT (NOISE)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : NEAR OFFICE AREA (KONI MINE)

**Date & Duration of Sampling** : 12.01.2024 & 24 Hrs.

**Sampling Done by** : RAHUL

**Method of Sampling** : IS:9989

**Sample Receiving Date** : 15.01.2024

**Sample processing Date** : 15.01.2024

**AMBIENT NOISE RESULT**

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	NEAR KONI MINE OFFICE	6:00 AM TO 10:00 PM	66.1	10.00 PM TO 6:00 AM	55.4

**NOISE (AMBIENT STANDARDS AS PER CPCB)**

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory  
  
Authorised SignatoryD. K. Yadav  
Lab In-charge



Test Report Code : VGL/N/24/01/15/035

Report Issue Date : 22.01.2024

**TEST REPORT (NOISE)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : NEAR PIT – 01 (KONI MINE)

**Date & Duration of Sampling** : 12.01.2024 & 24 Hrs.

**Sampling Done by** : RAHUL

**Method of Sampling** : IS:9989

**Sample Receiving Date** : 15.01.2024

**Sample processing Date** : 15.01.2024

**AMBIENT NOISE RESULT**

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	NEAR KONI MINE PIT - 01	6:00 AM TO 10:00 PM	61.9	10.00 PM TO 6:00 AM	52.4

**NOISE (AMBIENT STANDARDS AS PER CPCB)**

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Page 1 of 1

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory

Authorized Signatory

D. K. Yadav  
Lab In-charge

Test Report Code : VGL/N/24/01/15/036

Report Issue Date : 22.01.2024

**TEST REPORT (NOISE)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : NEAR PIT – 02 (KONI MINE)

**Date & Duration of Sampling** : 12.01.2024 & 24 Hrs.

**Sampling Done by** : RAHUL

**Method of Sampling** : IS:9989

**Sample Receiving Date** : 15.01.2024

**Sample processing Date** : 15.01.2024

**AMBIENT NOISE RESULT**

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	NEAR KONI MINE PIT - 02	6:00 AM TO 10:00 PM	65.2	10.00 PM TO 6:00 AM	54.3

**NOISE (AMBIENT STANDARDS AS PER CPCB)**

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

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4. The above results are related to the tested sample only.

Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory  
  
Authorised SignatoryD. K. Yadav  
Lab In-charge

Test Report Code : VGL/N/24/01/15/037

Report Issue Date : 22.01.2024

**TEST REPORT (NOISE)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : NEAR CRUSHER AREA (KONI MINE)

**Date & Duration of Sampling** : 12.01.2024 & 24 Hrs.

**Sampling Done by** : RAHUL

**Method of Sampling** : IS:9989

**Sample Receiving Date** : 15.01.2024

**Sample processing Date** : 15.01.2024

**AMBIENT NOISE RESULT**

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	NEAR KONI MINE CRUSHER	6:00 AM TO 10:00 PM	61.9	10.00 PM TO 6:00 AM	50.1

**NOISE (AMBIENT STANDARDS AS PER CPCB)**

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Page 1 of 1

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory  
  
Authorised SignatoryD. K. Yadav  
Lab In-charge

Test Report Code : VGL/N/24/01/15/038

Report Issue Date : 22.01.2024

**TEST REPORT (NOISE)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : NRAR KONI MINE WEIGH BRIDGE

**Date & Duration of Sampling** : 12.01.2024 & 24 Hrs.

**Sampling Done by** : RAHUL

**Method of Sampling** : IS:9989

**Sample Receiving Date** : 15.01.2024

**Sample processing Date** : 15.01.2024

**AMBIENT NOISE RESULT**

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	NRAR KONI MINE BACK SIDE	6:00 AM TO 10:00 PM	67.2	10.00 PM TO 6:00 AM	56.3

**NOISE (AMBIENT STANDARDS AS PER CPCB)**

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory  
  
Authorized SignatoryD. K. Yadav  
Lab In-charge



Test Report Code : VGL/N/24/01/15/039

Report Issue Date : 22.01.2024

**TEST REPORT (NOISE)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : NEAR RESERVOIR AREA

**Date & Duration of Sampling** : 12.01.2024 & 24 Hrs.

**Sampling Done by** : RAHUL

**Method of Sampling** : IS:9989

**Sample Receiving Date** : 15.01.2024

**Sample processing Date** : 15.01.2024

**AMBIENT NOISE RESULT**

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	NEAR RESERVOIR	6:00 AM TO 10:00 PM	63.8	10.00 PM TO 6:00 AM	51.9

**NOISE (AMBIENT STANDARDS AS PER CPCB)**

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Page 1 of 1

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4. The above results are related to the tested sample only.

Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory

Authorized Signatory

D. K. Yadav  
Lab In-charge

Test Report Code : VGL/N/24/01/15/041

Report Issue Date : 22.01.2024

**TEST REPORT (NOISE)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : SIMARIYA VILLAGE

**Date & Duration of Sampling** : 10.01.2024 & 24 Hrs.

**Sampling Done by** : VIRENDRA KUMAR

**Method of Sampling** : IS:9989

**Sample Receiving Date** : 15.01.2024

**Sample processing Date** : 15.01.2024

**AMBIENT NOISE RESULT**

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	SIMARIYA VILLAGE	6:00 AM TO 10:00 PM	49.8	10.00 PM TO 6:00 AM	40.3

**NOISE (AMBIENT STANDARDS AS PER CPCB)**

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory

Authorized Signatory

D. K. Yadav  
Lab In-charge

Test Report Code : VGL/N/24/01/15/042

Report Issue Date : 22.01.2024

**TEST REPORT (NOISE)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : TIGHRA VILLAGE

**Date & Duration of Sampling** : 10.01.2024 & 24 Hrs.

**Sampling Done by** : VIRENDRA KUMAR

**Method of Sampling** : IS:9989

**Sample Receiving Date** : 15.01.2024

**Sample processing Date** : 15.01.2024

**AMBIENT NOISE RESULT**

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	TIGHRA VILLAGE	6:00 AM TO 10:00 PM	50.2	10.00 PM TO 6:00 AM	41.3


**NOISE (AMBIENT STANDARDS AS PER CPCB)**

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Page 1 of 1

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory  
Authorised SignatoryD. K. Yadav  
Lab In-charge

Test Report Code : VGL/N/24/01/15/043

Report Issue Date : 22.01.2024

**TEST REPORT (NOISE)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : SUHWANI KALAN VILLAGE

**Date & Duration of Sampling** : 10.01.2024 & 24 Hrs.

**Sampling Done by** : VIRENDRA KUMAR

**Method of Sampling** : IS:9989

**Sample Receiving Date** : 15.01.2024

**Sample processing Date** : 15.01.2024

**AMBIENT NOISE RESULT**

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	SUHWANI KALAN VILLAGE	6:00 AM TO 10:00 PM	50.2	10.00 PM TO 6:00 AM	39.8

**NOISE (AMBIENT STANDARDS AS PER CPCB)**

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Page 1 of 1

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- The above results are related to the tested sample only.

Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory  
  
Authorized SignatoryD. K. Yadav  
Lab In-charge



Test Report Code : VGL/N/24/01/15/044

Report Issue Date : 22.01.2024

**TEST REPORT (NOISE)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : KHOLKAHIYA VILLAGE

**Date & Duration of Sampling** : 10.01.2024 & 24 Hrs.

**Sampling Done by** : VIRENDRA KUMAR

**Method of Sampling** : IS:9989

**Sample Receiving Date** : 15.01.2024

**Sample processing Date** : 15.01.2024

**AMBIENT NOISE RESULT**

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	KHOLKAHIYA VILLAGE	6:00 AM TO 10:00 PM	48.9	10.00 PM TO 6:00 AM	38.2


**NOISE (AMBIENT STANDARDS AS PER CPCB)**

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory  
Authorised SignatoryD. K. Yadav  
Lab In-charge

Test Report Code : VGL/N/24/01/15/045

Report Issue Date : 22.01.2024

**TEST REPORT (NOISE)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : GARHI KARHIYA VILLAGE

**Date & Duration of Sampling** : 10.01.2024 & 24 Hrs.

**Sampling Done by** : VIRENDRA KUMAR

**Method of Sampling** : IS:9989

**Sample Receiving Date** : 15.01.2024

**Sample processing Date** : 15.01.2024

**AMBIENT NOISE RESULT**

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	GARHI KARHIYA VILLAGE	6:00 AM TO 10:00 PM	50.9	10.00 PM TO 6:00 AM	40.5

**NOISE (AMBIENT STANDARDS AS PER CPCB)**

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory  
  
Authorized SignatoryD. K. Yadav  
Lab In-charge

Test Report Code : VGL/N/24/01/15/046

Report Issue Date : 22.01.2024

**TEST REPORT (NOISE)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : KHAMAGAUR VILLAGE

**Date & Duration of Sampling** : 10.01.2024 & 24 Hrs.

**Sampling Done by** : VIRENDRA KUMAR

**Method of Sampling** : IS:9989

**Sample Receiving Date** : 15.01.2024

**Sample processing Date** : 15.01.2024

**AMBIENT NOISE RESULT**

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	KHAMAGAUR VILLAGE	6:00 AM TO 10:00 PM	51.5	10.00 PM TO 6:00 AM	41.2

**NOISE (AMBIENT STANDARDS AS PER CPCB)**

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Page 1 of 1

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory

Authorized Signatory

D. K. Yadav  
Lab In-charge

Test Report Code : VGL/N/24/01/15/039

Report Issue Date : 22.01.2024

**TEST REPORT (NOISE)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : NEAR MINE BOUNDARY TOWARD BODA VILLAGE

**Date & Duration of Sampling** : 12.01.2024 & 24 Hrs.

**Sampling Done by** : RAHUL

**Method of Sampling** : IS:9989

**Sample Receiving Date** : 15.01.2024

**Sample processing Date** : 15.01.2024

**AMBIENT NOISE RESULT**

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	SIMARIYA VILLAGE	6:00 AM TO 10:00 PM	59.8	10.00 PM TO 6:00 AM	52.8

**NOISE (AMBIENT STANDARDS AS PER CPCB)**

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory  
  
Authorized SignatoryD. K. Yadav  
Lab In-charge



Test Report Code : VGL/N/24/01/15/040

Report Issue Date : 22.01.2024

**TEST REPORT (NOISE)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, 488441 (M.P)

**Sampling Location** : BODA VILLAGE SCHOOL

**Date & Duration of Sampling** : 12.01.2024 & 24 Hrs.

**Sampling Done by** : VIRENDRA KUMAR

**Method of Sampling** : IS:9989

**Sample Receiving Date** : 15.01.2024

**Sample processing Date** : 15.01.2024

**AMBIENT NOISE RESULT**

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	TIGHRA VILLAGE	6:00 AM TO 10:00 PM	50.2	10.00 PM TO 6:00 AM	40.2

**NOISE (AMBIENT STANDARDS AS PER CPCB)**

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
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Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized Signatory  
  
Authorised SignatoryD. K. Yadav  
Lab In-charge



Event Report

Date/Time Long at 09:56:13 March 12, 2024  
 Trigger Source Geo: 0.127 mm/s, Mic: 2.000 pa.(L)  
 Range Geo: 254.0 mm/s  
 Record Time 1.481 sec at 4098 sps  
 Operator/Setup: Operator/JK CEMENT LTD.MMB

Serial Number UM20022 V 10-90FB Micromate ISEE  
 Battery Level 3.8 Volts  
 Unit Calibration February 19, 2024 by UES New Delhi  
 File Name \_\_TEMP.EVT

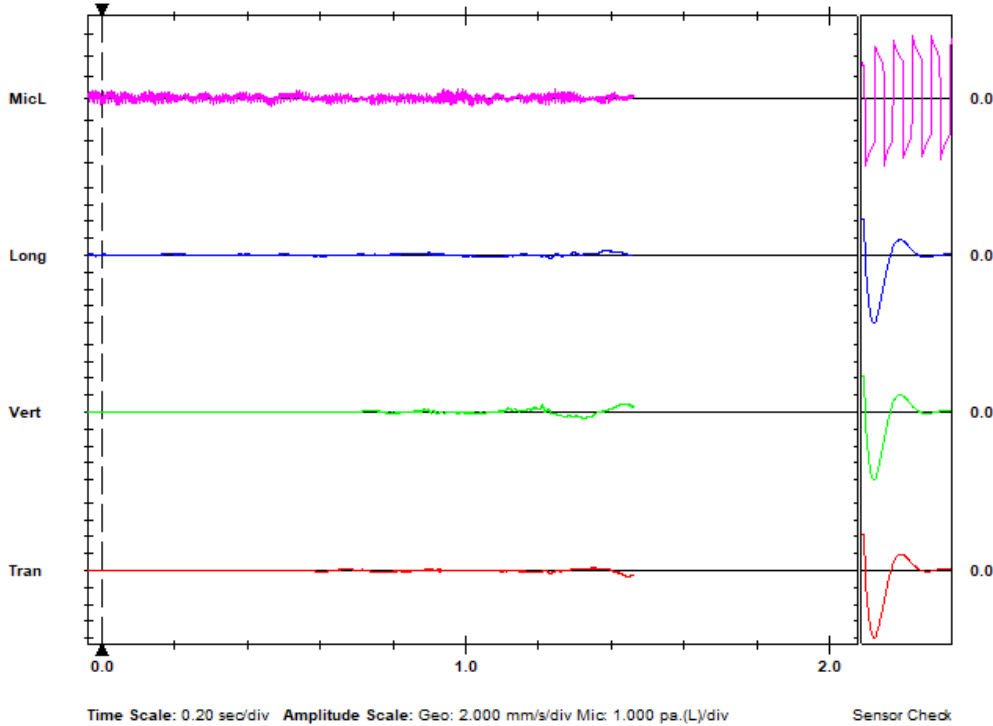
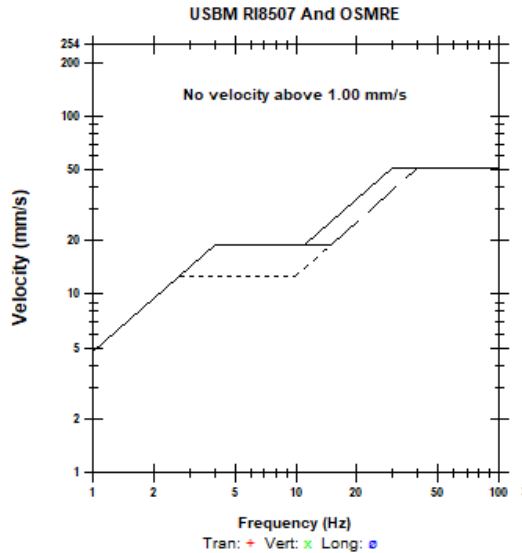
Notes

Location:  
 Client:  
 User Name: KONI SIMARIYA LIMESTONE MINES  
 General:

Microphone Linear Weighting  
 PSPL <0.500 pa.(L)  
 ZC Freq 108 Hz  
 Channel Test Passed (Freq = 19.7 Hz Amp = 1282 mv )

	Tran	Vert	Long	
PPV	0.709	1.025	0.560	mm/s
ZC Freq	N/A	N/A	N/A	Hz
Time (Rel. to Trig)	1.444	1.430	1.383	sec
Peak Acceleration	0.049	0.026	0.036	g
Peak Displacement	0.012	0.028	0.010	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.3	7.5	7.3	Hz
Overswing Ratio	4.4	4.2	4.6	

Peak Vector Sum 1.186 mm/s at 1.432 sec  
 N/A: Not Applicable



## कार्यालय प्रधान मुख्य वन संरक्षक (वन्यप्राणी), मध्य प्रदेश

प्रगति भवन, भोपाल विकास प्राधिकरण, तृतीय तल, एम.पी.नगर, भोपाल

दूरभाष : 0755-2674318, 2674337, फ़ैक्स : 0755-2766315

E-mail : pccfwk@mp.gov.in

क्रमांक / व.प्रा. / मा.चि. / GEN.-274 /  
प्रति,

4081

भोपाल, दिनांक 16.6.2021

General Manager (Environment-Project),  
Jaykaycem (Central) Ltd., My Home Residency,  
Opp. Essar Petroal Pump,  
Katni Road, Amangaj- 488441 Panna, MP  
(E-mail : amin@jkcements.com)

**विषय :- Request for Authenticated list Flora and Fauna and Approval of Wildlife Conservation Plan, for the lease area catering to "koni-Simariya Limestone Block of Jaykaycem (Central) Limited over an area of 3095.23 Hectares with production capacity 9.05 Million TPA of ROM (Lime Stone: 5.08 Million TPA; Soil:2.94 Million TPA and OB:1.03 Million TPA) with crusher capacity of 1800TPH, Mine located in village (s)-Koni, Boda, Gudha, Maharajganj, Ganiyari, Vanbhai, Devri, Pagra & Kluwa, Teshil Simariya, District Panna in State of Madhya Pradesh.**

**संदर्भ :-** आपका पत्र क्रमांक SM/EMD/MoEF/F 01/008 Dated 22.02.2021 एवं क्षेत्र संचालक, पन्ना टाइगर रिजर्व, पन्ना का पत्र क्रमांक/मा.चि./2021/741 दिनांक 01.06.2021

—00—

उपरोक्त विषयांतर्गत संदर्भित पत्र से आपके द्वारा जिला पन्ना के सिमरिया तहसील कोनीबोदा, गुधा, महाराजगंज, गनियारी, वनभाई, सिमरिया, देवरी, पगरा एवं कुलुआ ग्रामों की 3095.23 हेक्टेयर माइन क्षेत्र में कोनी-सिमरिया लाइम स्टोन माइन की उत्पादन क्षमता 9.05 मिलियन टीपीए से क्रेशर के साथ क्षमता 1800 टीपीएच बढ़ाने संबंधी प्रकरण में भारत सरकार द्वारा जारी सामान्य शर्तों अनुसार माइन क्षेत्र एवं उसके बफर क्षेत्र में पाये जाने वाले पलौरा-फोना के संरक्षण हेतु एनके इन्वायरो सर्विसेस प्रायवेट लिमिटेड, जयपुर से 10 वर्षों के लिए रूपये 160 लाख की वन्यप्राणी संरक्षण योजना तैयार कराकर संलग्न कर अनुमोदन हेतु प्रेषित की गई थी। क्षेत्र संचालक, पन्ना टाइगर रिजर्व द्वारा वन्यप्राणी योजना का परीक्षण उपरान्त रूपये 180 लाख की संशोधित वन्यप्राणी योजना संदर्भित पत्र दिनांक 01.06.2021 से इस कार्यालय को प्रेषित की गई है। उक्त 10 वर्षों की रूपये 180 लाख की वन्यप्राणी संरक्षण योजना का अनुमोदन किया जाता है। उक्त वन्यप्राणी संरक्षण योजना में पलौरा-फोना के संरक्षण एवं संवर्धन के प्रस्तावित कार्यों हेतु प्रावधानित राशि का विवरण निम्नानुसार है :-

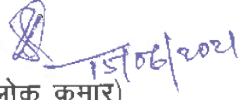
**Table 8: Proposed Budgetary Action Plan for Conservation of Schedule-I Species in the Buffer zone. (10 Years)**

S. No.	Activities	Years Wise fund allocation (in Lakhs)										Total
		1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>	6 <sup>th</sup>	7 <sup>th</sup>	8 <sup>th</sup>	9 <sup>th</sup>	10 <sup>th</sup>	
1	<b>Habitat improvement &amp; mitigative measures (Food, Water, Shelter, Movement etc) and measures to reduce, minimize the human-animal conflict</b>											
1a	Plantation in forest area and buffer zone in consultation with DFO	5.75	6.0	6.25	6.5	6.75	7.0	7.25	7.50	7.750	8.00	68.75
1b	Rejuvenation of existing water bodies in forest area and buffer zone	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	31.25
	<b>Sub-Total</b>	7.75	8.25	8.75	9.25	9.75	10.25	10.75	11.25	11.75	12.25	100
2	<b>Awareness and extension (Forest staff will also be invited for various activities to ensure participation)</b>											
2a	Provision of Awareness and educational program for wildlife, biodiversity significance at school level, village level and Gram Panchayat level in consultation of forest department.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	10
3	<b>Support for Forest Department for monitoring, rescue &amp; rehabilitation of wildlife veterinary care, animal health rescue, tools and equipment etc.</b>											
3a	Provision for necessary veterinary medicine and rescue (rehabilitation of wildlife Veterinary care)	15	3	3	3	3	3	3	3	2	2	40
4	<b>Contribution Towards conservation of wildlife</b>											
4a	Provision for Research and monitoring etc.	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	10

5	Miscellaneous including Eco-Development and capacity building												
5a	Miscellaneous including Eco-Development and capacity building	6.50	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	20
	<b>TOTAL FOR WLCP FOR TOR PROJECTS</b>	31.25	14.75	15.25	15.75	16.25	16.75	17.25	17.75	17.75	17.75	17.75	180

वन्यप्राणी संरक्षण योजना में पृष्ठ क्रमांक-45 एवं 46 पर वन्यप्राणी प्रबंधन हेतु दर्शाये गये कार्यों की वन्यप्राणी संरक्षण योजना की एक प्रति मुख्य वन संरक्षक, छतरपुर वृत्त, एक प्रति क्षेत्र संचालक, पन्ना टाइगर रिजर्व, पन्ना एवं वनमण्डलाधिकारी, दक्षिण पन्ना सामान्य वनमण्डल को उपलब्ध कराये। तथा वन्यप्राणी संरक्षण योजना में वन्यप्राणी प्रबंधन हेतु प्रावधानित राशि समय सीमा में वर्षवार वनमण्डलाधिकारी, दक्षिण पन्ना सामान्य वनमण्डल, पन्ना को उपलब्ध कराया जाना सुनिश्चित करें। अनुमोदित वन्यप्राणी संरक्षण योजना की हस्ताक्षरित एक प्रति संलग्न कर आवश्यक कार्यवाही हेतु प्रेषित है।

संलग्न :- उपरोक्तानुसार।

  
 (आलोक कुमार)  
 मुख्य वन्यप्राणी अभिरक्षक एवं  
 प्रधान मुख्य वन संरक्षक (व.प्रा.), म.प्र.

क्रमांक/व.प्रा./मा.चि./GEN.-274/ 4082  
 प्रतिलिपि :-

1. मुख्य वन संरक्षक, छतरपुर वृत्त छतरपुर।
2. क्षेत्र संचालक, पन्ना टाइगर रिजर्व, पन्ना।
3. वनमण्डलाधिकारी, दक्षिण पन्ना सामान्य वनमण्डल।

की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित। उक्त अनुमोदित वन्यप्राणी संरक्षण योजना की एक प्रति आवेदक संस्था से प्राप्त करें तथा प्रावधानित कार्यों का समय सीमा में क्रियान्वयन किया जाना सुनिश्चित करें।

  
 मुख्य वन्यप्राणी अभिरक्षक एवं  
 प्रधान मुख्य वन संरक्षक (व.प्रा.), म.प्र.

भोपाल, दिनांक 16.6.2024





# कार्यालय वनमण्डलाधिकारी दक्षिण वनमण्डल पन्ना (म.प्र.)

Office - 07732 - 252016 E-mail - dfosouth@rediffmail, dfotspanna@mp.gov.in, dfosouthpanna@gmail.com

क्रमांक/मा.चि./2023/ 3259  
प्रति,

पन्ना दिनांक 28-06-2023

जनरल मैनेजर  
(इन्वायरनमेंट प्रोजेक्ट)  
जे.के. सेम (सेन्टल)लि.  
कटनी रोड़ अमानगंज  
जिला पन्ना

**विषय :-** Request for Authenticated list of flora and fauna and approval of wildlife conservation plan for the lease area catering to "Koni simariya Limestone Block Of Jaykaycem (cental) Limited over an area of 3095.23 Hectares with Production Capacity 9.05 Million TPA of Rom (Lime Stone:5.08 Million TPA; Soil:2.94 Million TPA and OB: 1.03 Million TPA) With Crusher Capacity of 1800 TPH, Mine located In village (S)-koni, Boda, Gudha Maharajganj, Ganiyari, Vanbhai Devvari, Pagra and Kluwa, Tahsil Simariya, Distt. Panna in State Madhya Pradesh.

**संदर्भ:-** प्रधान मुख्य वन संरक्षक (वन्यप्राणी) म.प्र. भोपाल का पत्र क्रमांक/व.प्रा./मा.चि./सामान्य-274/4081 भोपाल दिनांक 16.06.2021

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उपरोक्त विषय के अंतर्गत कृपया संदर्भित पत्र का अवलोकन करे। पन्ना जिले के सिमरिया तहसील कोनी, बोदा, गुढा महाराजगंज, गनियारी, वनभई, सिमरिया, देवरी पगरा एवं कुलुवा ग्रामों की 3095.23 हेक्टेयर माईन्स क्षेत्र में कोनी सिमरिया लाईम स्टोन के उत्पादन क्षमता 9.05 मिलियन टी.पी.ए. केशर के साथ क्षमता 1800 टी.पी.ए. बढ़ाने सम्बंधी भारत सरकार द्वारा जारी सामान्य शर्तों अनुसार माईन्स क्षेत्र एवं उनके बाहर क्षेत्र में पाये जाने वाले फ्लोरा-फोना के संरक्षण हेतु क्षेत्र संचालक पन्ना टाईगर रिजर्व द्वारा वन्य प्राणी संरक्षण योजना 10 वर्ष की रू.180लाख का अनुमोदन प्रधान मुख्य वनसंरक्षक (वन्य प्राणी) मध्यप्रदेश भोपाल द्वारा संदर्भित पत्र के माध्यम से किया गया है। वन्य प्राणी संरक्षण योजना में फ्लोरा-फोना के संरक्षण हेतु संदर्भित पत्र से बफर जोन क्षेत्र में प्रावधानित राशि प्रथम वर्ष (2021-22) रू. 31.25 लाख, द्वितीय वर्ष (2022-23) रू. 14.75 लाख, एवं तृतीय वर्ष (2023-24) रू. 15.25 लाख प्रावधानित कार्य हेतु आपके द्वारा इस कार्यालय को उपलब्ध कराने हेतु आपको निर्देशित किया गया है। पत्र की छाया प्रति संलग्न है।

अतः आप उक्त राशि तत्काल इस कार्यालय को वनमण्डलाधिकारी दक्षिण पन्ना (मुख्य कार्यपालन अधिकारी दक्षिण पन्ना खाता क्र.63033636857 I.F.S.C.Code. SBIN0030436) के पक्ष में उक्त राशि जमा करें ताकि योजना अनुसार प्रावधानित कार्य कराया जा सके।

संलग्न:- उपरोक्तानुसार

वन मण्डलाधिकारी  
दक्षिण वनमण्डल पन्ना (म.प्र.)



क्रमांक/मा.चि./2023/ 3260

पन्ना दिनांक 28.06.23

प्रतिलिपि :-

- ✍ प्रधान मुख्य संरक्षक (वन्यप्राणी) म.प्र. भोपाल को उनके पत्र क्र./व.प्र./मा.चि./सामान्य-274/4081 दिनांक 16.6.2021 के संदर्भ में सूचनार्थ सम्प्रेषित।
- ✍ क्षेत्र संचालक पन्ना टाईगर रिजर्व पन्ना को सूचनार्थ एवं आवश्यक कार्यवाही हेतु सम्प्रेषित।
- ✍ मुख्य वनसंरक्षक छतरपुर वृत्त छतरपुर को सूचनार्थ एवं आवश्यक कार्यवाही हेतु सम्प्रेषित।

वन मण्डलाधिकारी  
दक्षिण वनमण्डल पन्ना (म.प्र.)



**Jaykaycem (Central) Ltd.**  
(Wholly Owned Subsidiary of JK Cement Ltd.)

Village : Harduwakan, Tehsil: Amanganj,  
District: Panna, M.P., India, Pin - 488441

CIN: U72305UP1987PLC009162

☎ 9329141591 ✉ jkc.panna@jkcement.com

Ref. No.: PCP/EMD/MoEF/F 04/08

Dated: 31.07.2023

To,  
The District Forest officer,  
South Panna,  
Panna- 488001 (MP)

**Subject: Request for authenticated list of flora and fauna and approval of Wild Life Conservation Plan for the lease area catering to "Koni-Simariya Limestone Block of Jaykaycem Central Limited over an area of 3095.23 Ha. With production capacity 9.05 MTPA of ROM (Limestone:5.08 MTPA, Soil:2.94 MTPA and OB: 1.03 MTPA) with crusher capacity of 1800 TPH, mine located in villag9s) Koni , Boda, Gudha, Maharajganj, Ganiyari, Vanbhai, Simariya, Devri, Pagra and Kuluwa, Tahsil Simariya, District Panna in State Madhya Pradesh**

Ref.: 1- Letter no. Maa.chi./2023/3259 dated 28.06.2023.

Dear Sir,

I am writing to confirm that JK Cement Ltd has deposited the funds required for the Wildlife Conservation Plan as per your letter no. Maa.chi./2023/3259 dated 28.06.2023 by the Principal Chief Conservator of Forests, Wildlife, Madhya Pradesh Bhopal. The total amount of Rs. 61.25 Lakh (2021-22 Rs. 31.25 Lakh, 2022-23 Rs. 14.75 Lakh, 2023-24 Rs. 15.25 Lakh) has been deposited into the following account:

Account Name: Divisional Forest Officer, South Panna (Chief Executive Officer, South Panna)

Account Number: 63033636857, IFSC Code: SBIN0030436

The details of the cheques are as follows:

Ch No-977851- Rs. 20.00 Lacs, dated 31.07.2023  
Ch No- 977852 - Rs. 11.25 Lacs, dated 31.07.2023  
Ch No- 977853 - Rs. 14.75 Lacs, dated 31.07.2023  
Ch No- 977854- Rs. 15.25 Lacs, dated 31.07.2023

Corporate Office

◆ Padam Tower, 19 DDA Community Centre  
Okhla, Phase - 1, New Delhi - 110020, India

☎ +011-49220000

✉ admin.padamtower@jkcement.com

🌐 www.jkcement.com

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CEMENT**  
BUILD SAFE

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Katni (M.P.) | Aligarh (U.P.) | Balasinor (Gujarat)



Registered Office : Kankar Tower, Kankar Road, Bhopal, Madhya Pradesh

I have enclosed copies of the cheques for your reference.

We are committed to complying with the regulations and requirements set forth by the South Panna, Forest Department, and we look forward to working with you towards the protection and conservation of flora and fauna in the mines area and their buffer zone.

Sincerely,




Kapil Agrawal  
(Unit Head)  
Jakaycem (Central) Ltd.

Enclosures:

1. Copy of Cheque No-977851- Rs. 20.00 Lacs, dated 31.07.2023
2. Copy of Cheque No - 977852 - Rs. 11.25 Lacs, dated 31.07.2023
3. Copy of Cheque No - 977853 - Rs. 14.75 Lacs, dated 31.07.2023
4. Copy of Cheque No - 977854- Rs. 15.25 Lacs, dated 31.07.2023

Corporate Office

- 
- ◆ Padam Tower, 19 DDA Community Centre  
Okhla, Phase - 1, New Delhi - 110020, India
  - ☎ +011-49220000
  - ✉ admin.padamtower@jkcement.com
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Katni (M.P.) | Aligarh (U.P.) | Balasinor (Gujarat)

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





(00447)-PANNA  
 POST BAG NO.3, PANNA,  
 CHHATRASAL COLLEGE ROAD, BENISAGAR, DIST-PANNA, MADHYA PRADESH 488001  
 Tel : 91 7732252019 Fax : IFS Code : SBIN000447 SWIFT :

केवल 3 महीने के लिए वैध / VALID FOR 3 MONTHS ONLY  
 31072023  
 D D M M Y Y Y Y  
 Ra2Yyl

4486040 / 100 / BLUE ORDER (R) / 25 / Apr / 2023  
 SESHASAT (M) / CTS-2010

PAY C.E.O. F.D.A. South Forest Division Panna को या उनके आदेश पर OR ORDER

रुपये RUPEES Fifteen lach twenty five thousand only  
 अदा करें ₹ 15,25,000/-

खा. सं. / A/c No. 41674121525

VALID UPTO ₹ 50 LACS AT NON-HOME BRANCH FOR NON-CASH TRANSACTION ONLY

CURRENT A/C  
 PREFIX : 1515600001

52512147614

JAY KAY CEM (CENTRAL) LTD.  
 Please sign above

MULTI-CITY CHEQUE Payable at Par at All Branches of SBI

⑈977854⑈ 488002001⑈ 000426⑈ 29



(00447)-PANNA  
 POST BAG NO.3, PANNA,  
 CHHATRASAL COLLEGE ROAD, BENISAGAR, DIST-PANNA, MADHYA PRADESH 488001  
 Tel : 91 7732252019 Fax : IFS Code : SBIN000447 SWIFT :

केवल 3 महीने के लिए वैध / VALID FOR 3 MONTHS ONLY  
 31072023  
 D D M M Y Y Y Y  
 WhyEL2

4486040 / 100 / BLUE ORDER (R) / 25 / Apr / 2023  
 SESHASAT (M) / CTS-2010

PAY C.E.O. F.D.A. South Forest Division Panna को या उनके आदेश पर OR ORDER

रुपये RUPEES Eleven lach twenty five thousand only  
 अदा करें ₹ 11,25,000/-

खा. सं. / A/c No. 41674121525

VALID UPTO ₹ 50 LACS AT NON-HOME BRANCH FOR NON-CASH TRANSACTION ONLY

CURRENT A/C  
 PREFIX : 1515600001

52512147614

JAY KAY CEM (CENTRAL) LTD.  
 Please sign above

MULTI-CITY CHEQUE Payable at Par at All Branches of SBI

⑈977852⑈ 488002001⑈ 000426⑈ 29



(00447)-PANNA  
 POST BAG NO.3, PANNA,  
 CHHATRASAL COLLEGE ROAD, BENISAGAR, DIST-PANNA, MADHYA PRADESH 488001  
 Tel : 91 7732252019 Fax : IFS Code : SBIN000447 SWIFT :

केवल 3 महीने के लिए वैध / VALID FOR 3 MONTHS ONLY  
 31072023  
 D D M M Y Y Y Y  
 c9EL3y

4486040 / 100 / BLUE ORDER (R) / 25 / Apr / 2023  
 SESHASAT (M) / CTS-2010

PAY C.E.O. F.D.A. South Forest Division Panna को या उनके आदेश पर OR ORDER

रुपये RUPEES Fourteen lach seventy five thousand only  
 अदा करें ₹ 14,75,000/-

खा. सं. / A/c No. 41674121525

VALID UPTO ₹ 50 LACS AT NON-HOME BRANCH FOR NON-CASH TRANSACTION ONLY

CURRENT A/C  
 PREFIX : 1515600001

52512147614



JAY KAY CEM (CENTRAL) LTD.  
 Please sign above

MULTI-CITY CHEQUE Payable at Par at All Branches of SBI

⑈977853⑈ 488002001⑈ 000426⑈ 29





**भारतीय स्टेट बैंक**  
**State Bank Of India**



(00047) PANNA  
POST BAG NO. 3, PANNA,  
CHHATRASAL COLLEGE ROAD, BENISAGAR DIST: PANNA, MADHYA PRADESH 488001  
Tel: 91 7732252019 Fax: IFS Code: SBIIN0000447 SWIFT:

केवल 3 महीने के लिए वैध / VALID FOR 3 MONTHS ONLY

31072023  
D D M M Y Y Y Y

9mEij3

PAY C.F.O. F.D.A. South Forest Division Panna

को या उनके आदेश पर OR ORDER

रुपये RUPEES Twenty Lakh only

अदा करें

₹ 20,00,000/-

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A/c No.

41674121525

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PREFIX:  
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*(Signatures)*  
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MULTI-CITY CHEQUE Payable at Par at All Branches of SBI

Please sign above

⑈ 9 7 7 8 5 ⑈ ⑈ 4 8 8 0 0 2 0 0 ⑈ ⑈ 0 0 0 4 2 6 ⑈ ⑈ 2 9

449600 / 100 / BLUE ORDER / R / 25 / Apr / 2023  
SESHAASAI (M) / CTS-2010

Ref. No.: JKCEMENT/PCP/EMD/2024-25/F 04/12

Dated: 18.04.2024

To,  
The District Forest officer,  
South Panna,  
Panna- 488001 (MP)

**Subject: To comply with Wild Life Conservation Plan Approval Letter for Koni Simariya Limestone Mine of M/s JK Cement Limited located in Village(s)- Koni, Boda, Gudha, Maharajganj, Ganiyari, Vanbhai, Devri, Pagra&Kluwa, Tahsil-Simariya, District-Panna, Madhyapradesh, implementation of Wildlife Conservation Plan and specific condition of Environment Clearance- reg.**

Ref.: 1. Life Conservation Plan Approval Letter no. V.Pra/Ma.Chi./GEN.-274/4081 dated 16.06.2021  
2. Environment Clearance vide no J-11015/80/2020/IA.II(M), Date: 01/11/2021  
3. Your letter no. Ma.Chi./2024/641 dated 02.02.2024


Dear Sir,

In continuation of our letter no. JKCEMENT/PCP/EMD/2023-24/F 04/09 dated 06.03.2024 regarding subject matter, we would like to inform you that we have already deposited Rs. 31.25 Lakh for three years (Period up to F.Y. 2023-24) as per fund allocated for implementation of approved Wild Life Conservation Plan approval Letter no. V.Pra/Ma.Chi./GEN.-274/4081 dated 16.06.2021 for Koni Simariya Limestone Mine of M/s JK Cement Limited located (Acknowledgement copy of amount deposition enclosed as Annexure no. 1). Advisory committee is also formed by you on dated 02.02.2024 (Copy enclosed as Annexure no. 2)

Further, we would like to inform you that it is also mentioned in specific condition no. VII of above referred environment clearance dated 01/11/2021 that "The Project Proponent should further augment the Conservation plan by ensuring effective fire protecting measures during the fire season, by constructing the perennial source of drinking water for the wild animals and by undertaking habitat improvement activities to provide camouflage. The conservation plan in consultation with the Forest Department shall be implemented and compliance of the same shall be submitted to IRO of MoEF &CC before 1<sup>st</sup> July of every year".

Ministry of Environment, Forest and Climate Change (MoEF&CC) is continuously asking us the implementation status of WLCP. Therefore, for complying the above EC condition and implementation of approved Wild Life Conservation Plan, please guide us for further action so that we may do all needful and wild life conservation plan could be implemented or if WLCP is already implementing by you then we humble request to please share the status to submit the MoEF&CC, please.

Thanking you,  
Yours Faithfully  
For: JK Cement Limited

  
Kapil Agrawal  
(Unit Head)



CC to:

- 1- Chief Wild Life Warden, Govt. of Madhya Pradesh, Bhopal-462001
- 2- Chief Conservator of Forest, Chhatarpur-471001

Corporate Office

📍 Prism Tower, 5<sup>th</sup> Floor, Ninaniya Estate,  
Gwal Pahari, Gurugram - 122102, Haryana  
☎ +0124-6919000  
📧 admin.prismt@jkcement.com  
🌐 www.jkcement.com

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Katni, Panna (M.P.) | Ailgarh, Hamirpur (U.P.) | Balasnor (Gujarat) | Fujairah

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Ref. No.: JKCEMENT/PCP/EMD/2023-24/F 04/09

Dated: 06.03.2024

To,  
The District Forest officer,  
South Panna,  
Panna- 488001 (MP)

**Subject: To comply with Wild Life Conservation Plan Approval Letter for Koni Simariya Limestone Mine of M/s JK Cement Limited located in Village(s)- Koni, Boda, Gudha, Maharajganj, Ganiyari, Vanbhai, Devri, Pagra&Kluwa, Tahsil- Simariya, District-Panna, Madhyapradesh, implementation of Wildlife Conservation Plan and specific condition of Environment Clearance- reg.**

Ref.: 1. Life Conservation Plan Approval Letter no. V.Pra/Ma.Chi./GEN.-274/4081 dated 16.06.2021  
2. Environment Clearance vide no J-11015/80/2020/IA.II(M), Date: 01/11/2021  
3. Your letter no. Ma.Chi./2024/641 dated 02.02.2024

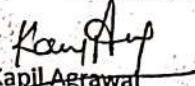
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So, for complying the above condition and approved Wild Life Conservation Plan, please guide for further action as mentioned above.

Thanking you,  
Yours Faithfully  
For: JK Cement Limited

  
Kapil Agrawal  
(Unit Head)

CC to:

- 1- Chief Wild Life Warden, Govt. of Madhya Pradesh, Bhopal-462001
- 2- Chief Conservator of Forest, Chhatarpur-471001





Ref. No.: PCP/EMD/MoEF/F 04/08

Dated: 31.07.2023

To,  
The District Forest officer,  
South Panna,  
Panna- 488001 (MP)

**Subject: Request for authenticated list of flora and fauna and approval of Wild Life Conservation Plan for the lease area catering to "Koni-Simariya Limestone Block of Jaykaycem Central Limited over an area of 3095.23 Ha. With production capacity 9.05 MTPA of ROM (Limestone:5.08 MTPA, Soil:2.94 MTPA and OB: 1.03 MTPA) with crusher capacity of 1800 TPH, mine located in villag9s) Koni , Boda, Gudha, Maharajganj, Ganiyari, Vanbhai, Simariya, Devri, Pagra and Kuluwa, Tahsil Simariya, District Panna in State Madhya Pradesh**

Ref.: 1- Letter no. Maa.chi./2023/3259 dated 28.06.2023.

Dear Sir,

I am writing to confirm that JK Cement Ltd has deposited the funds required for the Wildlife Conservation Plan as per your letter no. Maa.chi./2023/3259 dated 28.06.2023 by the Principal Chief Conservator of Forests, Wildlife, Madhya Pradesh Bhopal. The total amount of Rs. 61.25 Lakh (2021-22 Rs. 31.25 Lakh, 2022-23 Rs. 14.75 Lakh, 2023-24 Rs. 15.25 Lakh) has been deposited into the following account:

Account Name: Divisional Forest Officer, South Panna (Chief Executive Officer, South Panna)

Account Number: 63033636857, IFSC Code: SBIN0030436

The details of the cheques are as follows:

Ch No-977851- Rs. 20.00 Lacs, dated 31.07.2023  
Ch No- 977852 - Rs. 11.25 Lacs, dated 31.07.2023  
Ch No- 977853 - Rs. 14.75 Lacs, dated 31.07.2023  
Ch No- 977854- Rs. 15.25 Lacs, dated 31.07.2023

## Corporate Office

- Padam Tower, 19 DDA Community Centre Okhla, Phase - 1, New Delhi - 110020, India
- +011-49220000
- admin.padamtower@jkcement.com
- www.jkcement.com

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Katni (M.P.) | Aligarh (U.P.) | Balasnor (Gujarat)

Registered Office : Padam Tower, Okhla, New Delhi - 110020





**Jaykaycem (Central) Ltd.**  
(Wholly Owned Subsidiary of JK Cement Ltd.)

Village : Harduwakan, Tehsil: Amanganj,  
District: Panna, M.P., India, Pin - 488441


CIN: U72305UP1987PLC009162

☎ 9329141591 ✉ jkc.panna@jkcement.com

I have enclosed copies of the cheques for your reference.

We are committed to complying with the regulations and requirements set forth by the South Panna, Forest Department, and we look forward to working with you towards the protection and conservation of flora and fauna in the mines area and their buffer zone.

Sincerely,

  
Kapil Agrawal  
(Unit Head)  
Jakaycem (Central) Ltd.

Enclosures:

1. Copy of Cheque No-977851- Rs. 20.00 Lacs, dated 31.07.2023
2. Copy of Cheque No - 977852 - Rs. 11.25 Lacs, dated 31.07.2023
3. Copy of Cheque No - 977853 - Rs. 14.75 Lacs, dated 31.07.2023
4. Copy of Cheque No - 977854 - Rs. 15.25 Lacs, dated 31.07.2023

**Corporate Office**

- Padam Tower, 19 DDA Community Centre  
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Katni (M.P.) | Aligarh (U.P.) | Balasinor (Gujarat)

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





Annexure no.2

## कार्यालय वनमण्डलाधिकारी दक्षिण वनमण्डल पन्ना (म.प्र.)

Office - 07732 - 252016, 291323, E-mail - dfosouth@rediffmail.com dfospanna@mpforest.gov.in

### आदेश

पन्नादिनांक 2/2/2024.....

क्रमांक/मा.चि./2024/.....60 पन्ना जिले के सिमरिया तहसील कोनी, बोदा, गुद्धा, महाराजगंज, गनियारी, वनभई, सिमरिया, देवरी, पगरा एवं कुलुवा ग्रामों की 3095.23 हे० खदान क्षेत्र में कोनी सिमरिया लाईम स्टोन की उत्पादन क्षमता 9.05 मिलियन टी.पी.ए. क्रेशर के साथ 1800 टी.पी.ए. बढ़ाने भारत सरकार द्वारा जारी शर्तों के अनुसार माईन्स क्षेत्र एवं बफर जोन में पाये जाने वाले फ्लोरा-फोना के संरक्षण हेतु क्षेत्र संचालक पन्ना टाईगर रिजर्व पन्ना द्वारा वन्य प्राणी संरक्षण योजना के क्रियान्वयन हेतु निम्नानुसार निगरानी/सलाहकार समिति का गठन किया जाता है।

1. उपवनमंडलाधिकारी पवई— अध्यक्ष
2. सहायक संचालक पन्ना टाईगर रिजर्व पन्ना—सदस्य
3. परिक्षेत्र अधिकारी पवई—सदस्य
4. श्री संदीप त्रिवेदी प्रबंधक, जे.के.सीमेन्ट—सदस्य
5. श्री सौरभ यादव डी.जी.एम.जे.के.सीमेन्ट—सदस्य

(पुनीत सोनकर)  
मा.व.से.

वनमंडलाधिकारी

दक्षिणवनमण्डलपन्ना (म.प्र.)

पन्नादिनांक 02/02/2024

क्रमांक/मा०चि०/2024/ 61

### प्रतिलिपि :

- प्रधान मुख्य वन संरक्षक (वन्यप्राणी) म.प्र. भोपाल की ओर सूचनार्थ सम्प्रेषित।
- क्षेत्र संचालक पन्ना टाईगर रिजर्व पन्ना की ओर सूचनार्थ सम्प्रेषित।
- वन संरक्षक छतरपुर वृत्त छतरपुर की ओर सूचनार्थ सम्प्रेषित।
- जनरल मेनेजर जे.के.सीमेन्ट हरदुआ केन अमानगंज की ओर सूचनार्थ।
- सम्बंधित अधिकारियों की ओर सूचनार्थ अग्रेषित।

वनमंडलाधिकारी  
दक्षिणवनमण्डलपन्ना (म.प्र.)



नूतन पैलरी रस्तनदार दीपों की रचना बनाई जन



पन्ना (राष्ट्रीय प्रतिनिधि)। पन्ना जिले की दीपकारों ने सतना-रीवा-पन्ना क्षेत्र में दीपों की रचना बनाई जन।

धनतेरस पर बाजार सजे, चित्रकूट में दीपोत्सव की शुरुआत

पर्व का उत्साह • पांच दिनों तक चलने वाला दीपोत्सव मेला, व्यापारियों के चेहरे खिले, स्थानीय प्रशासन भी पूरी तरह मुस्तैद

पन्ना (राष्ट्रीय प्रतिनिधि)। पन्ना जिले की दीपकारों ने सतना-रीवा-पन्ना क्षेत्र में दीपों की रचना बनाई जन।



चित्रकूट में दीपोत्सव का उत्साह सतना-रीवा-पन्ना क्षेत्र में।



सतना-रीवा-पन्ना क्षेत्र में दीपोत्सव का उत्साह सतना-रीवा-पन्ना क्षेत्र में।

सतना-रीवा-पन्ना क्षेत्र में दीपोत्सव का उत्साह सतना-रीवा-पन्ना क्षेत्र में।

किसके सिर सजेगा रैगांव विधायक का ताज, परिणाम आएगा आज

सतना (राष्ट्रीय प्रतिनिधि)। पन्ना जिले की दीपकारों ने सतना-रीवा-पन्ना क्षेत्र में दीपों की रचना बनाई जन।

100% हॉलमार्क जेवर कम रेट पर केन्सी डिजाइनों के साथ उपलब्ध

Advertisement for Jewellers featuring 'Jewellers' logo, '100% Hallmark Jewellery at Low Rates with Ken's Designs', and 'Sri Vidur Sarraf Sukhmand Prasad Sarraf'.

त्योहार में नकली खाद्य सामग्री बेचने वालों की आई शामत



सतना (राष्ट्रीय प्रतिनिधि)। पन्ना जिले की दीपकारों ने सतना-रीवा-पन्ना क्षेत्र में दीपों की रचना बनाई जन।

एसडीओ मनरेगा के खिलाफ सरपंचों ने खोला मोर्चा

पन्ना (राष्ट्रीय प्रतिनिधि)। पन्ना जिले की दीपकारों ने सतना-रीवा-पन्ना क्षेत्र में दीपों की रचना बनाई जन।

लकी डूँ 5 जनवरी 2022 (सो. 12.00 बजे)

Advertisement for 'Lakki Doo' featuring 'Sapna Chaudhary' and 'Zans Program'.

मैहर में शारदा मा के मंदिर में भक्त ने चढ़ाया सोने का हार

सतना (राष्ट्रीय प्रतिनिधि)। पन्ना जिले की दीपकारों ने सतना-रीवा-पन्ना क्षेत्र में दीपों की रचना बनाई जन।

पर्यावरण रक्षित के संघ में आज सचिव

सतना (राष्ट्रीय प्रतिनिधि)। पन्ना जिले की दीपकारों ने सतना-रीवा-पन्ना क्षेत्र में दीपों की रचना बनाई जन।

Advertisement for 'Swastik Fortune City' featuring 'Bharat Kidz's Pre-School' and 'Ramapur Bahelalan'.

Large advertisement for 'Swastik Fortune City' with the text 'धनतेरस एवं दीपावली के शुभ अवसर पर अपने घर के सपने को साकार करें...'.







TEST REPORT CODE: VGL/WL/24/01/15/01-36

TEST REPORT ISSUE DATE: 22.01.2024

## WATER LEVEL MONITORING REPORT

Name And Address of Customer : **M/s. J K CEMENT WORKS, PANNA,**  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, (M.P)

Date of Monitoring : 10.01.2024 TO 12.01.2024  
Monitoring Done By : VGL STAFF

### RESULT

Sl.N	Location	Person Name	Location(dd°mm'ss")		Water Level (Below Ground Level)- Meter
			Latitude (N)	Longitude (E)	
1	Puraina Village Borewell	Vishwa Nath Sahu	24.314232	79.975905	10.30
2	Tighara Village Borewell	Brij Mohan Singh	24.294028	79.963214	9.50
3	Tighara Village Borewell	Sandeep	24.294027	79.963213	9.50
4	Sanaura Village Dugwell	Siyaram Patel	24.418861	79.97881	6.10
5	Kamtana Village Dugwell	Govt.	24.384879	79.958523	21.30
6	Kamtana Village Dugwell	Govt.	24.383922	79.958833	18.50
7	Kamtana Village Dugwell	Govt.	24.386512	79.958723	16.30
8	Kamtana Village Borewell	Rajrendra Singh	24.383429	79.959408	12.30
9	Kamtana Village Borewell	Pawan Kumar Khare	24.383367	79.959541	19.90
10	Kamtana Village Borewell	Monoj Khampariya	24.383362	79.958243	21.10
11	Kamtana Village Borewell	Ramfal Dubey	24.383732	79.958729	22.30
12	Kamtana Village Borewell	ChandraBhansen	24.384587	79.958502	24.80
13	Singhaura Village Borewell	Govt. School	24.404519	79.935819	46.20
14	Sirshi patna Village Borewell	Govt.	24.388487	79.906193	25.10
15	Sirshi patna Village Dugwell	Govt.	24.387825	79.906517	10.00
16	Sunwani Kalan Borewell	Kanchhedi Lal Pathak	24.358643	79.888548	18.30
17	Sunwani Khurd Borewell	Govt.	24.361943	79.920049	17.50
18	Simra Khurd Borewell	Dhani Ram Dhai	24.351478	79.912537	36.10
19	Banbhai Borewell	Arvind	24.329875	79.899603	12.50
20	Maharajganj Borewell	Govt.	24.305336	79.894123	12.40

21	Karia Borewell	Govt.	24.263893	79.981769	10.50
22	Karia Dugwell	Ramchandra Tiwari	24.3636552	79.982056	5.50
23	Umri Village Borewell	Bijju Chaoudhari	24.26652	79.936928	8.20
24	Umri Village Dugwell	Govt.	24.266701	79.936928	4.0
25	Palohi village Borewell	Govt. School	24.265933	79.960298	9.20
26	Palohi village Dugwell	Darbari Rajak	24.265717	79.96011	5.20
27	Mahod Kalan Village Dugwell	Govt.	24.279306	80.017584	8.90
28	Mahod Kalan Village Borewell	Jitentra Singh	24.279386	80.017659	10.20
29	Bhupat Pura Borewell	Near Main Road	24.42591346	80.01900857	6.80
30	Simariya Village Borewell	Dangal Prasad Balmiki	24.28162146	79.89725613	8.90
31	Boda Village Dugwell	Govt. Near Temple	24.1741964	79.572004	2.70
32	Guda Village Borewell	Govt.	24.30541246	79.89403365	11.20
33	Guda Village Borewell	Charan Das Ray	24.32400349	79.88198007	12.40
34	Koni Village Borewell	Kallu Bhai	24.33056234	79.90068975	10.10
35	Koni village Borewell	Naresh patel	24.33057235	79.90068783	10.80
36	Maharajganj Borewell	Govt.	24.305336	79.894123	11.20

Page 1 of 2

Note: -

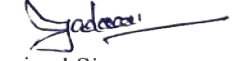
1. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
2. The sample will be destroyed after 15days from the date of issue of test certificate unless otherwise specified.
3. Any discrepancy in test result should be reported within 15 Days.
4. The above results are related to the tested sample only.

Review By:



D. Ashok Kumar  
Technical Manager

Authorized Signatory  
Virat Global Lab



Authorised Signatory  
D. K. Yadav  
Lab In-charge

TEST REPORT CODE: VGL/WL/24/01/15/37-86

TEST REPORT ISSUE DATE: 22.01.2024

## WATER LEVEL MONITORING REPORT

Name And Address of Customer : **M/s. J K CEMENT WORKS, PANNA,  
(A UNIT OF JK CEMENT LIMITED.)**  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, (M.P)

Date of Monitoring : 10.01.2024 TO 12.01.2024  
Monitoring Done By : VGL STAFF

### RESULT

Sl.N	Location	Person Name	Location(dd <sup>0</sup> mm'ss'')		Water Level (Below Ground Level)- Meter
			Latitude (N)	Longitude (E)	
37	Bamhori Village Borewell	Ram Saran	24.33664463	80.0380059	19.90
38	Bamhori Village Dugwell	Govt.	24.31678	80.104644	4.90
39	Bamhori Village Borewell	Pyare Lal Vish karma	24.33536802	80.03276469	20.80
40	Bamhori Village borewell	Raj Kumar	24.33725971	80.03266198	9.90
41	Bamhori Village borewell	Raj Kumar	24.33684576	80.03796254	13.60
42	Jharkuwa Village Dugwell	Govt.	24.35447818	80.04507126	16.20
43	Jharkuwa Village Borewell	Durjna Prasad	24.35393729	80.04480821	16.80
44	Itauri Village Borewell	Ramshay	24.36419376	80.04177377	7.40
45	Itauri Village Borewell	Daj Narayan	24.36641386	80.04199907	8.30
46	Itauri Village Borewell	Govt.	24.39039877	80.03923784	7.80
47	Itauri Village Dug well	Ghanshyam Pandey	24.39055834	80.04011205	9.15
48	Amanganj Borewell	Kalpna Palace	24.4241417	80.0342961	10.50
49	Amanganj Borewell	Govt. Near Tigadda	24.41839209	80.0331857	10.20
50	Amanganj Borewell	Saduwa Chaoudhari	24.42437250	80.0332154	16.50
51	Hinauta Borewell	Govt. School	24.388563	80.01382649	20.00
52	Hinauta Dugwell	Govt.	24.38684007	80.01410258	6.00
53	Hinauta Dugwell	Brij Lal Kushwaha	24.3869625	80.01445089	7.20
54	Madaiyan Borewell	Amit Goswami	24.3870598	80.01344178	7.30
55	Madaiyan Dugwell	Govt.	24.37842479	80.01052868	6.10
56	Deora Village Dugwell	Govt.	24.33662268	79.96825672	6.20
57	Deora Village Dugwell	Govt.	24.33851758	79.97188548	6.10
58	Deora Village Dugwell	Govt.	<b>24.34473355</b>	79.97200211	4.20
59	Deora Village Dugwell	Govt.	24.3466679	79.9949703	4.40
60	Deora Village Dugwell	Govt.	24.34655777	79.97239277	3.80
61	Deora Village Borewell	Near Road	24.33232328	79.98093834	8.10
62	Deora Village Borewell	Govt. Near Panchayat	24.33838338	79.97177768	8.80

63	Deora Village Borewell	Brindavan Tiwari	24.33876411	79.97214955	9.90
64	Deora Village Borewell	Salikram Tiwari	24.34175291	79.97189798	9.30
65	Deora Village Borewell	Govt. Near Tample	24.34152108	79.97203621	8.85
66	Deora Village Borewell	Kishun Dash	24.34478814	79.97198335	6.30
67	Deora Village Borewell	Ramcharan pyashi	24.34486148	79.97133575	7.10
68	Deora Village Borewell	Balram singh	24.34566888	79.97181327	8.20
69	Deora Village Borewell	Harnam singh	24.3322903	98.124707	6.90
70	Deora Village Borewell	Govt. Near Hanuman Tample	24.34567758	79.97174564	6.50
71	Deora Village Borewell	Ashish Pathak	24.3403033	79.9876304	7.40
72	Purwa Village Borewell	Khet	24.33599338	79.9635235	9.00
73	Purwa Village Borewell	Khet	24.33780336	79.95513308	16.00
74	Purwa Village Borewell	Shiv Kumar	24.3469887	79.9610619	4.70
75	Kakra Village Borewell	Govt.	24.35772144	79.94992569	7.80
76	Kakra Village Borewell	Vijay Lodhi	24.35553216	79.95064759	8.50
77	Kakra Village Borewell	Kali Charan Sen	24.35570297	79.94977787	6.80
78	Kakra Village Borewell	Ganga Ram	24.3821511	79.9099998	9.15
79	Kakra Village Borewell	Shiv Kishor Tiwari	24.35030255	79.95552624	8.40
80	Kakra Village Dugwell	Ashok Kumar Tiwari	24.33904669	79.97119546	4.30
81	Kakra Village Borewell	Neeraj Lodhi	24.352488	79.950509	8.40
82	Kakra Village Borewell	Rajendra Tiwari	24.355165	79.950488	4.30
83	Kakra Village Borewell	Vishnu Kant Sen	24.356175	79.951568	8.40
84	Kakra Village Borewell	Prem Das Kushwaha	24.355189	79.951453	4.30
85	Kakra Village Borewell	Battu lal	24.3524422	79.9095892	8.40
86	Kakra Village Dugwell	Govt.	24.356529	79.952143	6.80

Page 1 of 2

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Dr. Ashok Kumar  
Technical Manager

Virat Global Lab  
Authorized Signatory



Authorized Signatory

D. K. Yadav  
Lab In-charge



TEST REPORT CODE: VGL/ WL/24/01/15/87-103

TEST REPORT ISSUE DATE: 22.01.2024

## WATER LEVEL MONITORING REPORT

Name And Address of Customer : M/s. J K CEMENT WORKS, PANNA,  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, (M.P)

Date of Monitoring : 10.01.2024 TO 12.01.2024  
Monitoring Done By : VGL STAFF

### RESULT

Sl.N	Location	Person Name	Location(dd°mm'ss")		Water Level (Below Ground Level)- Meter
			Latitude (N)	Longitude (E)	
87	Bilha Village borewell	Rohit Tiwari	24.383448	79.999435	5.30
88	Jhagra Village Borewell	Dwarika Patel	24.39795765	79.98435206	9.30
89	Dharampura Village Dug well	Govt.	24.39406932	79.98249481	7.80
90	Ramanpura Village Borewell	Cheta Chaoudhari	24.37941909	79.98398717	8.40
91	Saptaiya Village Borewell	Govt.	24.35658	80.053129	7.40
92	Saptaiya Village Borewell	Tunra Prasad Harwar	24.35787906	80.0650542	6.30
93	Judi Village Borewell	Bajrang Dairy	24.35797237	79.98952222	9.80
94	Judi Village Dug well	Keshav Pratap Singh	24.35762556	79.9909353	6.90
95	Judi Village Borewell	Prem Narayan Singh Tomer	24.35843427	79.99083729	8.95
96	Judi Village Borewell	Kripal Singh Chandel	24.35882056	79.99086533	9.10
97	Judi Village Borewell	Sahab Singh Chandel	24.35866387	79.99125347	8.40
98	Judi Village Borewell	Hiralal Kushwaha	24.3582755	79.99140577	10.30
99	Judi Village Borewell	Ram Dayal Kushwaha	24.35854074	79.99219464	5.53
100	Pgara village Borewell	Govt. Near School	24.35196983	79.99827417	5.20
101	Pgara village Dugwell	Govt.	24.35235402	79.99988624	8.00
102	Pgara village Dugwell	Sukhdev Dubey	24.35248791	80.00010214	5.80
103	Pgara village Borewell	Mohammad Khan	24.35103883	80.00003505	18.70

Page 1 of 2

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Dr. Ashok Kumar  
Technical Manager

Authorized Signatory  
Virat Global Lab

Authorised Signatory  
D. K. Yadav  
Lab In-charge

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TEST REPORT CODE: VGL/W/24/01/15/006

TEST REPORT ISSUE DATE: 22.01.2024

**TEST REPORT (WATER)**  
**PART – A (CHEMICAL)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA,  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, (M.P)

**Location of Sample** : **SIMARIYA VILLAGE**

**Sample Description** : GROUND WATER

**Date & Time of Sampling** : 12.01.2024 09:30 AM

**Sample Collected by** : MR. VIRENDRA KUMAR

**Environmental Condition (Temp. & RH)** : 18.3 °C & 74%

**Sample Packing** : SEALED

**Sample Id No.** : 006

**Laboratory Sample Receiving Date** : 15.01.2024

**Duration of Sample Analysis** : 15.01.2024 TO 22.01.2024

**Method of Sampling** : APHA 1060B & 9060A

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH at 25 °C	APHA 4500H+A+B	7.59	-	6.5-8.5	No relaxation
2.	Temperature	APHA 2550-A+B	23.5	°C	Not Specified	Not Specified
3.	Colour	APHA 2120-B	<5.0	Hazen	5	15
4.	Turbidity	APHA 2130-A+B	<1.0	NTU	1	5
5.	Odour	APHA 2150-B	Agreeable	-	Agreeable	Agreeable
6.	Alkalinity	APHA 2320-A+B	224.0	mg/L	200	600
7.	Total Dissolved Solids	APHA2540-C	474.0	mg/L	500	2000
8.	Total Hardness	APHA 2340 A+C	208.0	mg/L	200	600
9.	Calcium	APHA 3500 Ca- A+B	57.0	mg/L	75	200
10.	Magnesium	APHA 3500 Mg A+B	16.0	mg/L	30	100
11.	Sodium	APHA 3500 Na, A+B	20.0	mg/L	-	-
12.	Phosphate	APHA 4500-PD	<0.2	mg/L	-	-
13.	Sulfate	APHA 4500-SO42- E	32.1	mg/L	200	400
14.	Potassium	APHA 3500 K, A+B	10.0	mg/L	-	-

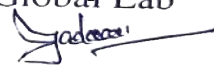
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**Reviewed By:**

Dr. Ashok Kumar  
Technical Manager

**Authorized Signatory**

D.K. Yadav  
Lab In-charge

TEST REPORT CODE: VGL/W/24/01/15/006

TEST REPORT ISSUE DATE: 22.01.2024

**TEST REPORT (WATER)  
PART – A (CHEMICAL)**

**TEST RESULTS**

15.	Nitrate	APHA 4500-NO3- B	8.1	mg/L	45.0	-
16.	Free Residual Chlorine	APHA 4500-Cl B	<0.2	mg/L	0.2	1.0
17.	Chloride	APHA 4500 Cl A+B	54.0	mg/L	250	1000
18.	Boron	APHA 4500 B A+C	BDL	mg/L	0.5	1.0
19.	Copper	APHA 3111 A+B	BDL	mg/L	0.05	1.5
20.	Cadmium	APHA 3111 A+B	BDL	mg/L	0.003	No relaxation
21.	Iron	APHA 3500 Fe B	0.26	mg/L	0.3	No relaxation
22.	Lead	APHA 3111 A+B	BDL	mg/L	0.01	No relaxation
23.	Nickel	APHA 3111 A+B	BDL	mg/L	0.02	No relaxation
24.	Zinc	APHA 3111 A+B	BDL	mg/L	5	15
25.	Fluoride	APHA 4500-C	0.62	mg/L	1.0	1.5
26.	Hexavalent Chromium	APHA 3500 B	BDL	mg/L	0.001	No relaxation
27.	Electrical Conductivity	APHA 2510 B	754	µS/cm	-	-

Page 2 of 3

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Dr. Ashok Kumar  
Technical Manager

Virat Global Lab  
Authorized Signatory

*D. K. Yadav*  
Authorised Signatory  
D. K. Yadav  
Lab In-charge

TEST REPORT CODE: VGL/W/24/01/15/006

TEST REPORT ISSUE DATE: 22.01.2024

**TEST REPORT (WATER)  
PART – B (BIOLOGICAL)****TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	Total Coliform Count	APHA 9221 B	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	
2.	Fecal coliform	APHA 9221 E	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	


Page 3 of 3

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4. The above Results are related to the tested sample only.

**Review By:**Dr. Ashok Kumar  
Technical Manager**Authorized Signatory**

Virat Global Lab

  
Authorized Signatory  
Sayeed Ahmad  
Quality Manager



TEST REPORT CODE: VGL/W/24/01/15/007

TEST REPORT ISSUE DATE: 22.01.2024

**TEST REPORT (WATER)**  
**PART – A (CHEMICAL)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA,  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, (M.P)

**Location of Sample** : SUNWANI KALAN VILLAGE  
**Sample Description** : GROUND WATER  
**Date & Time of Sampling** : 12.01.2024 10:10 AM  
**Sample Collected by** : MR. VIRENDRA KUMAR  
**Environmental Condition (Temp. & RH)** : 19.0 °C & 72%  
**Sample Packing** : SEALED  
**Sample Id No.** : 007  
**Laboratory Sample Receiving Date** : 15.01.2024  
**Duration of Sample Analysis** : 15.01.2024 TO 22.01.2024  
**Method of Sampling** : APHA 1060B & 9060A

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH at 25 °C	APHA 4500H+A+B	7.32	-	6.5-8.5	No relaxation
2.	Temperature	APHA 2550-A+B	24.1	°C	Not Specified	Not Specified
3.	Colour	APHA 2120-B	<5.0	Hazen	5	15
4.	Turbidity	APHA 2130-A+B	<1.0	NTU	1	5
5.	Odour	APHA 2150-B	Agreeable	-	Agreeable	Agreeable
6.	Alkalinity	APHA 2320-A+B	162.0	mg/L	200	600
7.	Total Dissolved Solids	APHA2540-C	454	mg/L	500	2000
8.	Total Hardness	APHA 2340 A+C	192.0	mg/L	200	600
9.	Calcium	APHA 3500 Ca- A+B	48.5	mg/L	75	200
10.	Magnesium	APHA 3500 Mg A+B	17.2	mg/L	30	100
11.	Sodium	APHA 3500 Na, A+B	22.0	mg/L	-	-
12.	Phosphate	APHA 4500-PD	BDL	mg/L	-	-
13.	Sulfate	APHA 4500-SO42- E	42.1	mg/L	200	400
14.	Potassium	APHA 3500 K, A+B	11.0	mg/L	-	-

Page 1 of 3

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Reviewed By:

Dr. Ashok Kumar  
Technical Manager

Authorized Signatory

Virat Global Lab  
Authorized Signatory  
D.K. Yadav  
Lab In-charge

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TEST REPORT CODE: VGL/W/24/01/15/007

TEST REPORT ISSUE DATE: 22.01.2024

**TEST REPORT (WATER)  
PART – A (CHEMICAL)**

**TEST RESULTS**

15.	Nitrate	APHA 4500-NO3- B	7.9	mg/L	45.0	-
16.	Free Residual Chlorine	APHA 4500-Cl B	<0.2	mg/L	0.2	1.0
17.	Chloride	APHA 4500 Cl A+B	42.8	mg/L	250	1000
18.	Boron	APHA 4500 B A+C	BDL	mg/L	0.5	1.0
19.	Copper	APHA 3111 A+B	BDL	mg/L	0.05	1.5
20.	Cadmium	APHA 3111 A+B	BDL	mg/L	0.003	No relaxation
21.	Iron	APHA 3500 Fe B	0.21	mg/L	0.3	No relaxation
22.	Lead	APHA 3111 A+B	BDL	mg/L	0.01	No relaxation
23.	Nickel	APHA 3111 A+B	BDL	mg/L	0.02	No relaxation
24.	Zinc	APHA 3111 A+B	BDL	mg/L	5	15
25.	Fluoride	APHA 4500-C	0.84	mg/L	1.0	1.5
26.	Hexavalent Chromium	APHA 3500 B	ND	mg/L	0.001	No relaxation
27.	Electrical Conductivity	APHA 2510 B	766	µS/cm	-	-

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**Review By:**

  
Ashok Kumar  
Technical Manager

**Authorized Signatory**  
Virat Global Lab

  
Deekshika  
Authorized Signatory  
Lab In-charge

TEST REPORT CODE: VGL/W/24/01/15/007

TEST REPORT ISSUE DATE: 22.01.2024


**TEST REPORT (WATER)**  
**PART – B (BIOLOGICAL)****TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	Total Coliform Count	APHA 9221 B	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	
2.	Fecal coliform	APHA 9221 E	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	

Page 3 of 3

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**Review By:**Dr. Ashok Kumar  
Technical Manager**Authorized Signatory****Virat Global Lab**  
Authorized Signatory  
Sayeed Ahmad  
Quality Manager

TEST REPORT CODE: VGL/W/24/01/15/008

TEST REPORT ISSUE DATE: 22.01.2024

**TEST REPORT (WATER)**  
**PART – A (CHEMICAL)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA,  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, (M.P)

**Location of Sample** : MAHARAJGANJ VILLAGE  
**Sample Description** : GROUND WATER  
**Date & Time of Sampling** : 12.01.2024 10:10 AM  
**Sample Collected by** : MR. VIRENDRA KUMAR  
**Environmental Condition (Temp. & RH)** : 19.8 °C & 70%  
**Sample Packing** : SEALED  
**Sample Id No.** : 008  
**Laboratory Sample Receiving Date** : 15.01.2024  
**Duration of Sample Analysis** : 15.01.2024 TO 22.01.2024  
**Method of Sampling** : APHA 1060B & 9060A

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH at 25 °C	APHA 4500H+A+B	7.71	-	6.5-8.5	No relaxation
2.	Temperature	APHA 2550-A+B	23.5	°C	Not Specified	Not Specified
3.	Colour	APHA 2120-B	<5.0	Hazen	5	15
4.	Turbidity	APHA 2130-A+B	<1.0	NTU	1	5
5.	Odour	APHA 2150-B	Agreeable	-	Agreeable	Agreeable
6.	Alkalinity	APHA 2320-A+B	164.0	mg/L	200	600
7.	Total Dissolved Solids	APHA2540-C	450.0	mg/L	500	2000
8.	Total Hardness	APHA 2340 A+C	188.0	mg/L	200	600
9.	Calcium	APHA 3500 Ca- A+B	44.2	mg/L	75	200
10.	Magnesium	APHA 3500 Mg A+B	18.9	mg/L	30	100
11.	Sodium	APHA 3500 Na, A+B	19.0	mg/L	-	-
12.	Phosphate	APHA 4500-PD	BDL	mg/L	-	-
13.	Sulfate	APHA 4500-SO42- E	42.1	mg/L	200	400
14.	Potassium	APHA 3500 K, A+B	11.0	mg/L	-	-

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Reviewed By:

Dr. Ashok Kumar  
Technical ManagerVirat Global Lab  
Authorized SignatoryAuthorised Signatory  
D. K. Yadav  
Lab In-charge

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TEST REPORT CODE: VGL/W/24/01/15/008

TEST REPORT ISSUE DATE: 22.01.2024

**TEST REPORT (WATER)  
PART – A (CHEMICAL)**

**TEST RESULTS**

15.	Nitrate	APHA 4500-NO3- B	8.1	mg/L	45.0	-
16.	Free Residual Chlorine	APHA 4500-Cl B	<0.2	mg/L	0.2	1.0
17.	Chloride	APHA 4500 Cl A+B	54.3	mg/L	250	1000
18.	Boron	APHA 4500 B A+C	BDL	mg/L	0.5	1.0
19.	Copper	APHA 3111 A+B	BDL	mg/L	0.05	1.5
20.	Cadmium	APHA 3111 A+B	BDL	mg/L	0.003	No relaxation
21.	Iron	APHA 3500 Fe B	0.19	mg/L	0.3	No relaxation
22.	Lead	APHA 3111 A+B	BDL	mg/L	0.01	No relaxation
23.	Nickel	APHA 3111 A+B	BDL	mg/L	0.02	No relaxation
24.	Zinc	APHA 3111 A+B	BDL	mg/L	5	15
25.	Fluoride	APHA 4500-C	0.71	mg/L	1.0	1.5
26.	Hexavalent Chromium	APHA 3500 B	ND	mg/L	0.001	No relaxation
27.	Electrical Conductivity	APHA 2510 B	721	µS/cm	-	-

Page 2 of 3

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3. Any discrepancy in test result should be reported within 15Days.
4. The above Results are related to the tested sample only.



Dr. Ashok Kumar  
Technical Manager

Virtualized Signature

Authorised Signatory  
D. K. Yadav  
Lab In-charge

TEST REPORT CODE: VGL/W/24/01/15/008

TEST REPORT ISSUE DATE: 22.01.2024


**TEST REPORT (WATER)  
PART – B (BIOLOGICAL)****TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	Total Coliform Count	APHA 9221 B	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	
2.	Fecal coliform	APHA 9221 E	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	

Page 3 of 3

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4. The above Results are related to the tested sample only.

**Review By:**Dr. Ashok Kumar  
Technical Manager**Authorized Signatory****Virat Global Lab**  
Authorized Signatory  
Sayeed Ahmad  
Quality Manager

TEST REPORT CODE: VGL/W/24/01/15/009

TEST REPORT ISSUE DATE: 22.01.2024

**TEST REPORT (WATER)**  
**PART – A (CHEMICAL)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA,  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, (M.P)

**Location of Sample** : **TIGHARA VILLAGE**

**Sample Description** : GROUND WATER

**Date & Time of Sampling** : 12.01.2024 10:50 AM

**Sample Collected by** : MR. VIRENDRA KUMAR

**Environmental Condition (Temp. & RH)** : 20.0 °C & 70%

**Sample Packing** : SEALED

**Sample Id No.** : 009

**Laboratory Sample Receiving Date** : 15.01.2024

**Duration of Sample Analysis** : 15.01.2024 TO 22.01.2024

**Method of Sampling** : APHA 1060B & 9060A

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH at 25 °C	APHA 4500H+A+B	7.28	-	6.5-8.5	No relaxation
2.	Temperature	APHA 2550-A+B	23.5	°C	Not Specified	Not Specified
3.	Colour	APHA 2120-B	<5.0	Hazen	5	15
4.	Turbidity	APHA 2130-A+B	<1.0	NTU	1	5
5.	Odour	APHA 2150-B	Agreeable	-	Agreeable	Agreeable
6.	Alkalinity	APHA 2320-A+B	174.0	mg/L	200	600
7.	Total Dissolved Solids	APHA2540-C	422.0	mg/L	500	2000
8.	Total Hardness	APHA 2340 A+C	182.0	mg/L	200	600
9.	Calcium	APHA 3500 Ca- A+B	40.1	mg/L	75	200
10.	Magnesium	APHA 3500 Mg A+B	19.9	mg/L	30	100
11.	Sodium	APHA 3500 Na, A+B	22.0	mg/L	-	-
12.	Phosphate	APHA 4500-PD	BDL	mg/L	-	-
13.	Sulfate	APHA 4500-SO42- E	35.1	mg/L	200	400
14.	Potassium	APHA 3500 K, A+B	10.0	mg/L	-	-

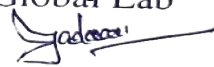
Page 1 of 3

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**Reviewed By:**

Dr. Ashok Kumar  
Technical Manager

**Authorized Signatory**

D.K. Yadav  
Lab In-charge

TEST REPORT CODE: VGL/W/24/01/15/009

TEST REPORT ISSUE DATE: 22.01.2024

**TEST REPORT (WATER)  
PART – A (CHEMICAL)**

**TEST RESULTS**

15.	Nitrate	APHA 4500-NO3- B	7.8	mg/L	45.0	-
16.	Free Residual Chlorine	APHA 4500-Cl B	<0.2	mg/L	0.2	1.0
17.	Chloride	APHA 4500 Cl A+B	48.5	mg/L	250	1000
18.	Boron	APHA 4500 B A+C	BDL	mg/L	0.5	1.0
19.	Copper	APHA 3111 A+B	BDL	mg/L	0.05	1.5
20.	Cadmium	APHA 3111 A+B	BDL	mg/L	0.003	No relaxation
21.	Iron	APHA 3500 Fe B	0.21	mg/L	0.3	No relaxation
22.	Lead	APHA 3111 A+B	BDL	mg/L	0.01	No relaxation
23.	Nickel	APHA 3111 A+B	BDL	mg/L	0.02	No relaxation
24.	Zinc	APHA 3111 A+B	BDL	mg/L	5	15
25.	Fluoride	APHA 4500-C	0.72	mg/L	1.0	1.5
26.	Hexavalent Chromium	APHA 3500 B	ND	mg/L	0.001	No relaxation
27.	Electrical Conductivity	APHA 2510 B	785	µS/cm	-	-

Page 2 of 3

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Dr. Ashok Kumar  
Technical Manager

Virat Global Lab  
Authorized Signatory  
Authorised Signatory

D. K. Yadav  
Lab In-charge



TEST REPORT CODE: VGL/W/24/01/15/009

TEST REPORT ISSUE DATE: 22.01.2024


**TEST REPORT (WATER)  
PART – B (BIOLOGICAL)****TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	Total Coliform Count	APHA 9221 B	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	
2.	Fecal coliform	APHA 9221 E	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	

Page 3 of 3

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**Review By:**Dr. Ashok Kumar  
Technical Manager**Authorized Signatory  
Virat Global Lab**  
Authorized Signatory  
Sayeed Ahmad  
Quality Manager

TEST REPORT CODE: VGL/W/24/01/15/010

TEST REPORT ISSUE DATE: 22.01.2024

**TEST REPORT (WATER)**  
**PART – A (CHEMICAL)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA,  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, (M.P)

**Location of Sample** : **KHOLKARHIYA VILLAGE**

**Sample Description** : GROUND WATER

**Date & Time of Sampling** : 12.01.2024 11:05 AM

**Sample Collected by** : MR. VIRENDRA KUMAR

**Environmental Condition (Temp. & RH)** : 20.2 °C & 70%

**Sample Packing** : SEALED

**Sample Id No.** : 010

**Laboratory Sample Receiving Date** : 15.01.2024

**Duration of Sample Analysis** : 15.01.2024 TO 22.01.2024

**Method of Sampling** : APHA 1060B & 9060A

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH at 25 °C	APHA 4500H+A+B	7.74	-	6.5-8.5	No relaxation
2.	Temperature	APHA 2550-A+B	24.2	°C	Not Specified	Not Specified
3.	Colour	APHA 2120-B	<5.0	Hazen	5	15
4.	Turbidity	APHA 2130-A+B	<1.0	NTU	1	5
5.	Odour	APHA 2150-B	Agreeable	-	Agreeable	Agreeable
6.	Alkalinity	APHA 2320-A+B	192.0	mg/L	200	600
7.	Total Dissolved Solids	APHA2540-C	487.0	mg/L	500	2000
8.	Total Hardness	APHA 2340 A+C	204.0	mg/L	200	600
9.	Calcium	APHA 3500 Ca- A+B	54.7	mg/L	75	200
10.	Magnesium	APHA 3500 Mg A+B	16.4	mg/L	30	100
11.	Sodium	APHA 3500 Na, A+B	24.0	mg/L	-	-
12.	Phosphate	APHA 4500-PD	BDL	mg/L	-	-
13.	Sulfate	APHA 4500-SO42- E	40.1	mg/L	200	400
14.	Potassium	APHA 3500 K, A+B	11.0	mg/L	-	-

Page 1 of 3

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Reviewed By:

Dr. Ashok Kumar  
Technical Manager

Authorized Signatory

Virat Global Lab  
Authorized Signatory  
D.K. Yadav  
Lab In-charge

**Address:** Ground Floor, Khasra No.973, BDS Hostel Campus, Opp. Gate No.2 CRPF Camp, Bijnaur,  
Sarojini Nagar, Lucknow (U.P.) – 226008, Mob. - +91-9990366186, 9415135012, 0522 -7118739  
**E-mail:** [viratgloballab@gmail.com](mailto:viratgloballab@gmail.com), [ceo.viratlab@gmail.com](mailto:ceo.viratlab@gmail.com), **Web:** [www.viratlab.com](http://www.viratlab.com)

TEST REPORT CODE: VGL/W/24/01/15/010

TEST REPORT ISSUE DATE: 22.01.2024

**TEST REPORT (WATER)  
PART – A (CHEMICAL)**

**TEST RESULTS**

15.	Nitrate	APHA 4500-NO3- B	9.2	mg/L	45.0	-
16.	Free Residual Chlorine	APHA 4500-Cl B	<0.2	mg/L	0.2	1.0
17.	Chloride	APHA 4500 Cl A+B	57.1	mg/L	250	1000
18.	Boron	APHA 4500 B A+C	BDL	mg/L	0.5	1.0
19.	Copper	APHA 3111 A+B	BDL	mg/L	0.05	1.5
20.	Cadmium	APHA 3111 A+B	BDL	mg/L	0.003	No relaxation
21.	Iron	APHA 3500 Fe B	0.23	mg/L	0.3	No relaxation
22.	Lead	APHA 3111 A+B	BDL	mg/L	0.01	No relaxation
23.	Nickel	APHA 3111 A+B	BDL	mg/L	0.02	No relaxation
24.	Zinc	APHA 3111 A+B	BDL	mg/L	5	15
25.	Fluoride	APHA 4500-C	0.78	mg/L	1.0	1.5
26.	Hexavalent Chromium	APHA 3500 B	ND	mg/L	0.001	No relaxation
27.	Electrical Conductivity	APHA 2510 B	801	µS/cm	-	-

Page 2 of 3

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Dr. Ashok Kumar  
Technical Manager

Virat Global Lab  
Authorized Signatory

Authorized Signatory  
D. K. Yadav  
Lab In-charge

TEST REPORT CODE: VGL/W/24/01/15/010

TEST REPORT ISSUE DATE: 22.01.2024


**TEST REPORT (WATER)  
PART – B (BIOLOGICAL)****TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	Total Coliform Count	APHA 9221 B	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	
2.	Fecal coliform	APHA 9221 E	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	

Page 3 of 3

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Dr. Ashok Kumar  
Technical Manager**Authorized Signatory  
Virat Global Lab**  
Authorized Signatory  
Sayeed Ahmad  
Quality Manager



TEST REPORT CODE: VGL/W/24/01/15/011

TEST REPORT ISSUE DATE: 22.01.2024

**TEST REPORT (WATER)**  
**PART – A (CHEMICAL)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA,  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, (M.P)

**Location of Sample** : GARHI KARHIYA VILLAGE  
**Sample Description** : GROUND WATER  
**Date & Time of Sampling** : 12.01.2024 11:50 AM  
**Sample Collected by** : MR. VIRENDRA KUMAR  
**Environmental Condition (Temp. & RH)** : 20.5 °C & 70%  
**Sample Packing** : SEALED  
**Sample Id No.** : 011  
**Laboratory Sample Receiving Date** : 15.01.2024  
**Duration of Sample Analysis** : 15.01.2024 TO 22.01.2024  
**Method of Sampling** : APHA 1060B & 9060A

**TEST RESULTS**


Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH at 25 °C	APHA 4500H+A+B	7.36	-	6.5-8.5	No relaxation
2.	Temperature	APHA 2550-A+B	24.2	°C	Not Specified	Not Specified
3.	Colour	APHA 2120-B	<5.0	Hazen	5	15
4.	Turbidity	APHA 2130-A+B	<1.0	NTU	1	5
5.	Odour	APHA 2150-B	Agreeable	-	Agreeable	Agreeable
6.	Alkalinity	APHA 2320-A+B	188.0	mg/L	200	600
7.	Total Dissolved Solids	APHA2540-C	475.0	mg/L	500	2000
8.	Total Hardness	APHA 2340 A+C	176.0	mg/L	200	600
9.	Calcium	APHA 3500 Ca- A+B	37.4	mg/L	75	200
10.	Magnesium	APHA 3500 Mg A+B	20.1	mg/L	30	100
11.	Sodium	APHA 3500 Na, A+B	22.0	mg/L	-	-
12.	Phosphate	APHA 4500-PD	BDL	mg/L	-	-
13.	Sulfate	APHA 4500-SO42- E	34.5	mg/L	200	400
14.	Potassium	APHA 3500 K, A+B	10.0	mg/L	-	-

Page 1 of 3

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Reviewed By:

  
Dr. Anshok Kumar  
Technical ManagerAuthorized Signatory  
Virat Global Lab  
Dr. K. Yadav  
Authorized Signatory  
Lab In-charge

TEST REPORT CODE: VGL/W/24/01/15/011

TEST REPORT ISSUE DATE: 22.01.2024

**TEST REPORT (WATER)  
PART – A (CHEMICAL)**


**TEST RESULTS**

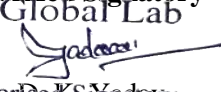
15.	Nitrate	APHA 4500-NO3- B	9.5	mg/L	45.0	-
16.	Free Residual Chlorine	APHA 4500-Cl B	<0.2	mg/L	0.2	1.0
17.	Chloride	APHA 4500 Cl A+B	36.1	mg/L	250	1000
18.	Boron	APHA 4500 B A+C	BDL	mg/L	0.5	1.0
19.	Copper	APHA 3111 A+B	BDL	mg/L	0.05	1.5
20.	Cadmium	APHA 3111 A+B	BDL	mg/L	0.003	No relaxation
21.	Iron	APHA 3500 Fe B	0.22	mg/L	0.3	No relaxation
22.	Lead	APHA 3111 A+B	BDL	mg/L	0.01	No relaxation
23.	Nickel	APHA 3111 A+B	BDL	mg/L	0.02	No relaxation
24.	Zinc	APHA 3111 A+B	BDL	mg/L	5	15
25.	Fluoride	APHA 4500-C	0.54	mg/L	1.0	1.5
26.	Hexavalent Chromium	APHA 3500 B	ND	mg/L	0.001	No relaxation
27.	Electrical Conductivity	APHA 2510 B	759	µS/cm	-	-

Page 2 of 3

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**Review By**  
  
 Dr. Ashok Kumar  
 Technical Manager

**Authorized Signatory**  
 Virat Global Lab  
  
 Authorized Signatory  
 Lab In-charge

TEST REPORT CODE: VGL/W/24/01/15/011

TEST REPORT ISSUE DATE: 22.01.2024

**TEST REPORT (WATER)  
PART – B (BIOLOGICAL)****TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	Total Coliform Count	APHA 9221 B	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	
2.	Fecal coliform	APHA 9221 E	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	


Page 3 of 3

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**Review By:**Dr. Ashok Kumar  
Technical Manager**Authorized Signatory**

Virat Global Lab

  
Authorized Signatory  
Sayeed Ahmad  
Quality Manager

TEST REPORT CODE: VGL/W/24/01/15/012

TEST REPORT ISSUE DATE: 22.01.2024

**TEST REPORT (WATER)**  
**PART – A (CHEMICAL)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA,  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, (M.P)

**Location of Sample** : **KHAMAGAUR VILLAGE**

**Sample Description** : GROUND WATER

**Date & Time of Sampling** : 12.01.2024 12:30 PM

**Sample Collected by** : MR. VIRENDRA KUMAR

**Environmental Condition (Temp. & RH)** : 20.8 °C & 70%

**Sample Packing** : SEALED

**Sample Id No.** : 012

**Laboratory Sample Receiving Date** : 15.01.2024

**Duration of Sample Analysis** : 15.01.2024 TO 22.01.2024

**Method of Sampling** : APHA 1060B & 9060A

**TEST RESULTS**

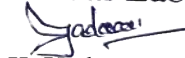
Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH at 25 °C	APHA 4500H+A+B	7.66	-	6.5-8.5	No relaxation
2.	Temperature	APHA 2550-A+B	24.5	°C	Not Specified	Not Specified
3.	Colour	APHA 2120-B	<5.0	Hazen	5	15
4.	Turbidity	APHA 2130-A+B	<1.0	NTU	1	5
5.	Odour	APHA 2150-B	Agreeable	-	Agreeable	Agreeable
6.	Alkalinity	APHA 2320-A+B	176.0	mg/L	200	600
7.	Total Dissolved Solids	APHA2540-C	480.0	mg/L	500	2000
8.	Total Hardness	APHA 2340 A+C	182.0	mg/L	200	600
9.	Calcium	APHA 3500 Ca- A+B	46.4	mg/L	75	200
10.	Magnesium	APHA 3500 Mg A+B	16.1	mg/L	30	100
11.	Sodium	APHA 3500 Na, A+B	20.0	mg/L	-	-
12.	Phosphate	APHA 4500-PD	BDL	mg/L	-	-
13.	Sulfate	APHA 4500-SO42- E	40.1	mg/L	200	400
14.	Potassium	APHA 3500 K, A+B	10.0	mg/L	-	-

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Reviewed By:

  
Dr. Ashok Kumar  
Technical ManagerAuthorized Signatory  
Virat Global Lab  
Ashok Kumar  
Authorized Signatory  
Lab In-charge



TEST REPORT CODE: VGL/W/24/01/15/012

TEST REPORT ISSUE DATE: 22.01.2024

**TEST REPORT (WATER)  
PART – A (CHEMICAL)**

**TEST RESULTS**

15.	Nitrate	APHA 4500-NO3- B	8.4	mg/L	45.0	-
16.	Free Residual Chlorine	APHA 4500-Cl B	<0.2	mg/L	0.2	1.0
17.	Chloride	APHA 4500 Cl A+B	38.4	mg/L	250	1000
18.	Boron	APHA 4500 B A+C	BDL	mg/L	0.5	1.0
19.	Copper	APHA 3111 A+B	BDL	mg/L	0.05	1.5
20.	Cadmium	APHA 3111 A+B	BDL	mg/L	0.003	No relaxation
21.	Iron	APHA 3500 Fe B	0.25	mg/L	0.3	No relaxation
22.	Lead	APHA 3111 A+B	BDL	mg/L	0.01	No relaxation
23.	Nickel	APHA 3111 A+B	BDL	mg/L	0.02	No relaxation
24.	Zinc	APHA 3111 A+B	BDL	mg/L	5	15
25.	Fluoride	APHA 4500-C	0.74	mg/L	1.0	1.5
26.	Hexavalent Chromium	APHA 3500 B	ND	mg/L	0.001	No relaxation
27.	Electrical Conductivity	APHA 2510 B	784	µS/cm	-	-

Page 2 of 3

**Note:**

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Dr. Ashok Kumar  
Technical Manager

**Authorized Signatory**  
Virat Global Lab

*(Signature)*  
D. K. Yadav  
Authorized Signatory  
Lab In-charge

TEST REPORT CODE: VGL/W/24/01/15/012

TEST REPORT ISSUE DATE: 22.01.2024


**TEST REPORT (WATER)  
PART – B (BIOLOGICAL)****TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	Total Coliform Count	APHA 9221 B	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	
2.	Fecal coliform	APHA 9221 E	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	

Page 3 of 3

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**Review By:**Dr. Ashok Kumar  
Technical Manager**Authorized Signatory****Virat Global Lab**  
Authorized Signatory  
Sayeed Ahmad  
Quality Manager

TEST REPORT CODE: VGL/W/24/01/15/013

TEST REPORT ISSUE DATE: 22.01.2024

**TEST REPORT (WATER)**  
**PART – A (CHEMICAL)**

**Name and Address of Customer** : M/s. J K CEMENT WORKS, PANNA,  
(A UNIT OF JK CEMENT LIMITED.)  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, (M.P)

**Location of Sample** : **BODA VILLAGE**  
**Sample Description** : GROUND WATER  
**Date & Time of Sampling** : 12.01.2024 12:50 PM  
**Sample Collected by** : MR. VIRENDRA KUMAR  
**Environmental Condition (Temp. & RH)** : 21.5 °C & 68%  
**Sample Packing** : SEALED  
**Sample Id No.** : 013  
**Laboratory Sample Receiving Date** : 15.01.2024  
**Duration of Sample Analysis** : 15.01.2024 TO 22.01.2024  
**Method of Sampling** : APHA 1060B & 9060A

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH at 25 °C	APHA 4500H+A+B	7.59	-	6.5-8.5	No relaxation
2.	Temperature	APHA 2550-A+B	23.8	°C	Not Specified	Not Specified
3.	Colour	APHA 2120-B	<5.0	Hazen	5	15
4.	Turbidity	APHA 2130-A+B	<1.0	NTU	1	5
5.	Odour	APHA 2150-B	Agreeable	-	Agreeable	Agreeable
6.	Alkalinity	APHA 2320-A+B	165.0	mg/L	200	600
7.	Total Dissolved Solids	APHA2540-C	448.0	mg/L	500	2000
8.	Total Hardness	APHA 2340 A+C	154.0	mg/L	200	600
9.	Calcium	APHA 3500 Ca- A+B	38.9	mg/L	75	200
10.	Magnesium	APHA 3500 Mg A+B	13.8	mg/L	30	100
11.	Sodium	APHA 3500 Na, A+B	25.0	mg/L	-	-
12.	Phosphate	APHA 4500-PD	BDL	mg/L	-	-
13.	Sulfate	APHA 4500-SO42- E	45.1	mg/L	200	400
14.	Potassium	APHA 3500 K, A+B	12.0	mg/L	-	-

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Reviewed By:

  
Dr. Ashok Kumar  
Technical ManagerAuthorized Signatory  
Virat Global Lab  
D. K. Yadav  
Authorized Signatory  
Lab In-charge

TEST REPORT CODE: VGL/W/24/01/15/013

TEST REPORT ISSUE DATE: 22.01.2024

**TEST REPORT (WATER)  
PART – A (CHEMICAL)**

**TEST RESULTS**

15.	Nitrate	APHA 4500-NO3- B	10.1	mg/L	45.0	-
16.	Free Residual Chlorine	APHA 4500-Cl B	<0.2	mg/L	0.2	1.0
17.	Chloride	APHA 4500 Cl A+B	47.5	mg/L	250	1000
18.	Boron	APHA 4500 B A+C	BDL	mg/L	0.5	1.0
19.	Copper	APHA 3111 A+B	BDL	mg/L	0.05	1.5
20.	Cadmium	APHA 3111 A+B	BDL	mg/L	0.003	No relaxation
21.	Iron	APHA 3500 Fe B	0.29	mg/L	0.3	No relaxation
22.	Lead	APHA 3111 A+B	BDL	mg/L	0.01	No relaxation
23.	Nickel	APHA 3111 A+B	BDL	mg/L	0.02	No relaxation
24.	Zinc	APHA 3111 A+B	BDL	mg/L	5	15
25.	Fluoride	APHA 4500-C	0.45	mg/L	1.0	1.5
26.	Hexavalent Chromium	APHA 3500 B	ND	mg/L	0.001	No relaxation
27.	Electrical Conductivity	APHA 2510 B	785	µS/cm	-	-

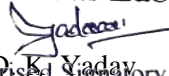
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**Review By**  
  
 Dr. Ashok Kumar  
 Technical Manager

**Authorized Signatory**  
 Virat Global Lab

  
 D. K. Yadav  
 Authorized Signatory  
 Lab In-charge



TEST REPORT CODE: VGL/W/24/01/15/013

TEST REPORT ISSUE DATE: 22.01.2024

**TEST REPORT (WATER)  
PART – B (BIOLOGICAL)****TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	Total Coliform Count	APHA 9221 B	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	
2.	Fecal coliform	APHA 9221 E	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	

Page 3 of 3

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**Review By:**Dr. Ashok Kumar  
Technical Manager**Authorized Signatory  
Virat Global Lab**  
Authorized Signatory  
Sayeed Ahmad  
Quality Manager

**TEST REPORT (SURFACE WATER)**  
**(PART A – CHEMICAL)**

<b>Name and Address of Customer</b>	: M/s. J K CEMENT WORKS, PANNA (A UNIT OF JK CEMENT LIMITED.) VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ, DISTT. - PANNA, 488441 (M.P)
<b>Location of Sample</b>	: SURFACE RUNOFF WATER IN KONI MINES
<b>Sample Description</b>	: SURFACE WATER
<b>Date &amp; Time of Sampling</b>	: 27.11.2023                      4:45 PM
<b>Sample Collected by</b>	: RAHUL
<b>Weather Condition</b>	: CLEAR
<b>Laboratory Sample Receiving Date</b>	: 30.11.2023
<b>Duration of Sample Analysis</b>	: 30.11.2023 TO 07.12.2023
<b>Method of Sampling</b>	: APHA 1060B & 9060A

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification/Limit (As per IS:2296, Class C)
1.	pH	APHA 4500-H+	7.73	-	6.5 - 8.5
2.	Colour	APHA 2120-B	40.0	Hazen	-
3.	Turbidity	APHA 2130-A+B	<1.0	NTU	-
4.	Total Dissolved Solids, (TDS)	APHA 2540-C	488	mg/L	2100
5.	Total Suspended Solid as TSS	APHA (2540-D)	20.6	mg/L	-
6.	Alkalinity	APHA 2320-A+B	180	mg/L	-
7.	Total Hardness	APHA 2340 A+C	152	mg/L	-
8.	Dissolved Oxygen (DO)	APHA 4500:(O)-C	5.8	mg/L	-
9.	Biological Oxygen Demand (BOD <sub>3d27°C</sub> )	IS: 3025 (Part-44)	2.2	mg/L	-
10.	Chemical Oxygen Demand as COD	APHA (5220-B)	20.8	mg/L	-
11.	Chloride, (Cl)	APHA 4500:(Cl)-B	44.0	mg/L	-
12.	Fluoride, (F)	APHA 4500:(F)-D	0.58	mg/L	-
13.	Sulphate, (SO <sub>4</sub> )	APHA 4500:(SO <sub>4</sub> )-E	42.8	mg/L	1000
14.	Phenolic Compound, (C <sub>6</sub> H <sub>5</sub> OH)	APHA 5530-C	<0.01	mg/L	-
15.	Oil & Grease, (O & G)	APHA 5520-D	< 2.0	mg/L	-
16.	Nitrate, (NO <sub>3</sub> )	APHA 4500:(NO <sub>3</sub> )-B	7.8	mg/L	-
17.	Arsenic, (As)	APHA 3120B	<0.01	mg/L	-
18.	Copper, (Cu)	APHA 3120B	<0.01	mg/L	-
19.	Iron, (Fe)	APHA-3120B	0.22	mg/L	-
20.	Zinc, (Zn)	APHA-3120B	<0.05	mg/L	-
21.	Cadmium, (Cd)	APHA 3120B	<0.01	mg/L	-
22.	Chromium, (Cr <sup>+6</sup> )	APHA 3500:(Cr)-B	<0.01	mg/L	-
23.	Lead, (Pb)	APHA-3120B	<0.01	mg/L	-
24.	Mercury (Hg)	APHA-3112A+B	<0.01	mg/L	-

Page 1 of 2

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**Ashok Kumar**  
Technical Manager

Virat Global Lab  
Authorized Signatory  
  
Anurag Yadav  
Lab In-charge

**TEST REPORT (SURFACE WATER)  
(PART A – BIOLOGICAL)**

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification/Limit (As per IS:2296, Class C)
25.	Total Coliform Count	APHA 9221 B	280	MPN/100 ml	-
26.	Faecal Coliform	APHA 9221 E	90.0	MPN/100 ml	-

Page 2 of 2

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Dr. Ashok Kumar  
Technical Manager

**Authorized Signatory  
Virat Global Lab**

*Sayed*  
Authorized Signatory  
Sayeed Ahmad  
Quality Manager

### TEST REPORT (SURFACE WATER) (PART A – CHEMICAL)

<b>Name and Address of Customer</b>	: M/s J K CEMENT WORKS, PANN, (A UNIT OF JK CEMENT LIMITED, VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ, DISTT. - PANNA, (M.P)
<b>Location of Sample</b>	: RUNOFF WATER IN KONI MINES
<b>Sample Description</b>	: SURFACE WATER
<b>Date &amp; Time of Sampling</b>	: 12.01.2024      5:00 PM
<b>Sample Collected by</b>	: VGL STAFF
<b>Weather Condition</b>	: CLEAR
<b>Laboratory Sample Receiving Date</b>	: 15.01.2024
<b>Duration of Sample Analysis</b>	: 15.01.2024 TO 22.01.2024
<b>Method of Sampling</b>	: APHA 1060B & 9060A

#### TEST RESULTS

Sr. No.	Parameters	Test Method	Result	Unit	Specification/Limit (As per IS:2296, Class C)
1.	pH	APHA 4500-H+	7.61	-	6.5 - 8.5
2.	Colour	APHA 2120-B	45.0	Hazen	300
3.	Turbidity	APHA 2130-A+B	1.8	NTU	-
4.	Total Dissolved Solids, (TDS)	APHA 2540-C	462	mg/L	1500
5.	Total Suspended Solid as TSS	APHA (2540-D)	25.1	mg/L	100
6.	Alkalinity	APHA 2320-A+B	195	mg/L	-
7.	Total Hardness	APHA 2340 A+C	161	mg/L	-
8.	Dissolved Oxygen (DO)	APHA 4500:(O)-C	5.0	mg/L	4
9.	Biological Oxygen Demand (BOD <sub>3d27°C</sub> )	IS: 3025 (Part-44)	2.4	mg/L	3
10.	Chemical Oxygen Demand as COD	APHA (5220-B)	22.8	mg/L	250
11.	Chloride, (Cl)	APHA 4500:(Cl)-B	46.0	mg/L	600
12.	Fluoride, (F)	APHA 4500:(F)-D	0.80	mg/L	1.5
13.	Sulphate, (SO <sub>4</sub> )	APHA 4500:(SO <sub>4</sub> )-E	41.5	mg/L	400
14.	Phenolic Compound, (C <sub>6</sub> H <sub>5</sub> OH)	APHA 5530-C	<0.01	mg/L	Not Specified
15.	Oil & Grease, (O & G)	APHA 5520-D	< 2.0	mg/L	Not Specified
16.	Nitrate, (NO <sub>3</sub> )	APHA 4500:(NO <sub>3</sub> )-B	9.8	mg/L	50
17.	Arsenic, (As)	APHA 3120B	<0.01	mg/L	0.2
18.	Copper, (Cu)	APHA 3120B	<0.01	mg/L	Not Specified
19.	Iron, (Fe)	APHA-3120B	0.25	mg/L	Not Specified
20.	Zinc, (Zn)	APHA-3120B	<0.05	mg/L	Not Specified
21.	Cadmium, (Cd)	APHA 3120B	<0.01	mg/L	Not Specified
22.	Chromium, (Cr <sup>+6</sup> )	APHA 3500:(Cr)-B	<0.01	mg/L	Not Specified
23.	Lead, (Pb)	APHA-3120B	<0.01	mg/L	0.1
24.	Mercury (Hg)	APHA-3112A+B	<0.01	mg/L	-

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**Reviewed By**

Dr. Ashok Kumar  
Technical Manager

**Authorized Signatory**

*(Signature)*  
D. K. Yadav  
Authorised Signatory  
Lab In-charge




**TEST REPORT (SURFACE WATER)**  
(PART A – BIOLOGICAL)**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification/Limit (As per IS:2296, Class C)
25.	Total Coliform Count	APHA 9221 B	540	MPN/100 ml	500
26.	Faecal Coliform	APHA 9221 E	220.0	MPN/100 ml	-

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Technical Manager**Authorized Signatory**  
**Virat Global Lab**  
Authorized Signatory  
Sayeed Ahmad  
Quality Manager

Awareness on Plastic Waste Campaign in nearby villages of Koni Mine dated 28.09.2023		
Sr. No.	Village Name	Photos
1	Boda village	
2	Koni village	

<p>3</p>	<p>Maharajganj village</p>	
<p>4</p>	<p>Guda village</p>	

5

Pagra Village



6

Semariya  
Tehsil





7

Tighara village

