

Ref.No.: JKCEMENT/ENV./EC/KONI/2025-26/02/16

Date: 20.05.2025

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 2024 to March 2025 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.
4- Name Change in EC File No.: J-11015/80/2020/IA.II (M) dated 23.01.2025.

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-2024 to March 2025** 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, Maharajanj, 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:
Prism Tower, Ground Floor, Ninaniya Estate,
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CIN: L17229UP1994PLC017199

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

Subject: Half Yearly EC Compliance Report for Period from October 2024 to March 2025 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 in EC File no. J-11015/80/2020/IA. II(M) dated 15/09/2023.
Name Change in EC File No.: J-11015/80/2020/IA.II (M) dated 23.01.2025.**

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.	Complied. Action on concerns raised by the public including in the public hearing is on progress. Our Committed /EAC approved CER total amount: Rs 1211 Lacs as 1 st , 2 nd & 3 rd Year budget and we have spent approx. 1071.0 Lakh up to Mar-2025. 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	Total Expenditure up to March-2025 (in Lakhs)
1	Health (Health, Check-up, Camp, Sports etc.) and Sanitation	167.46
2	Education (Books, Bags, Stationary etc.)	91.51
3	Drinking water facilities at community centers	14.55
4	Infrastructure (Road, Community Centers, etc.)	711.64
5	Other Local Social Need	58.03
6	Agricultural Development and Animal Husbandry, plantation	27.81
Total		1071.0

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



Construction of Bio toilets at Simariya, Koni, and Guda Villages



Installation of 30 security cameras J K Cement Plant to Simariya Road



Renovation work at Primary health centre Simariya



Solar Led Street light installation at nearby 10 villages



150 nos helmets were distributed to two wheeler drives



Environment Awareness session at Pagra, and Boda govt. schools.



Installation of a 2 nos. steel shed for setting up 2 nos. RO and water cooler at Simariya CHC

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.	Complied. Current mining was undertaken in private land which is directly purchased from the local farmers through mutual negotiation so far 773.41 ha of land is under our possession and is acquired from 650 PAFs, for which compensation of Rs. 212.68 crores is paid. No family has been affected by mining and hence 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.	Agree to comply. 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.	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>Complied.</p> <p>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, 773.41 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.</p> <p>5 ha of peripheral greenbelt has been developed/completed 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 23.55 ha with 52956 no's saplings in non-mineralized zone, around the water bodies, along the nallah and habitation.</p> <p>Plantation photos are given below.</p>
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Plantation in Mines area


V.	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>Complied.</p> <p>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.</p> <p>Total 52956 nos. of plants have been planted up to March- 2025 with</p> <p>1000 nos. - 3' to 5'</p> <p>9000 nos. - 8' to 10'</p> <p>10756 nos. – 11' to 12'</p> <p>32200 nos.- 06' to 08' (Apr-24 to Jan-25)</p> <p>Survival rate – 91%</p> <p>Total Replacement –</p> <p>1- 1426 Nos. (Up to Mar-24).</p> <p>2- 3612 Nos. (During Apr-24 to Mar-25)</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>Complied.</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 Annexure No. 1 & 2 respectively.</p> <p>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 Annexure No. 3.</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>Compliance on progress.</p> <p>We have deposited total amount of Rs. 180.0 Lakhs for 10 years. 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-4.</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>Agree to comply.</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	<p>Complied.</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>

	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.	<ul style="list-style-type: none">➤ Streams (Nallah) is flowing away from the present working and is not disturbed.➤ Ken river is flowing 1 KM away from working pit.➤ Bunds have been constructed along the nallah and plantation have been done in 0.82 Ha area.➤ Bunds have been constructed along mine pits.➤ No Canal passing through lease area.																								
X.	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>Complied.</p> <p>Blasting is not being carried out within 500m from school and habitation.</p> <p>No transportation activities are carried out in /out timing of the school.</p> <p>Distance between working pit and school/ habitation is given below.</p> <table><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><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></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.	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>Complied.</p> <p>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.</p> <p>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.	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 analysed periodically and improved accordingly.	<p>Complied.</p> <p>Employment based apprenticeship / internship training program through ITI had been provided to 27 Nos. local residents during FY:2023-24. Further, our ITI College has been established and employment-based apprenticeship/ internship training program will be conducted every year.</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>Compliance on progress.</p> <p>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. J-11015/80/2020/IA.II(M) dated 15.09.2023.</p> <p>Capacity of the trucks/tippers used for transportation of minerals are < 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>Complied.</p> <p>Electrically operated forklift has been procured.</p>  <p style="text-align: center;">Electrically operated forklift</p>
XV.	The Project Proponent should not disturb the existing road network during the operating period of mine.	<p>Complied.</p> <p>We are not disturbing any existing road network. We have constructed our own road for internal movement.</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>Complied on progress.</p> <p>Progressive plan for the activities undertaken for the commitments made by us under R&R plan, concern addressing public hearing issues, conservation plan and plantation for its compliance is given below</p> <ol style="list-style-type: none"> 1- R&R plan is also available, wherein budgetary allocations are made for cost of the land to the land losers and compensation for loss of livelihood to the land losers. Current mining was undertaken in private land which is directly purchased from the local farmers through mutual negotiation so far 773.41 ha of land is under our possession and is acquired from 650 PAFs, for which compensation of Rs. 212.68 crores is paid. No rehabilitation has been done by us. Balance land is being procured in progressive manner. 2- 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 1211 Lacs as 1st, 2nd & 3rd Year budget and we have spent approx. 1071.0 Lakh up to Mar-2025. Record is being maintained. Koni Simariya Mine operation start date is 03.05.2022 and all concerned activities will be completed within time.

		<p>3- We have deposited total amount of Rs. 180.0 Lakhs for 10 years. 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-4.</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. Further, we have developed plantation in 23.55 ha with 52956 no's saplings in non-mineralized zone, around the water bodies, along the nallah and habitation.</p>
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>Complied.</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 started from 2025.</p>



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.	<p>Complied.</p> <p>ITI College has been established and administrative set-up is being done. Educational session will be started from FY: 2025-26.</p>
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(M/s JK Cement Institute of Technology IT I)

XIX.	Regular surveillance on Silicosis shall be carried through regular occupational health check-up of 1/3 of the persons every year.	Complied. Regular Occupational health check-up is being carried out. During this year Silicosis test has been done for 29 nos. persons employed at our mines. Reports are enclosed as Annexure-5 .
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.	Complied 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. State Pollution Control Board / Pollution Control Committees shall not issue the Consent to Operate (CTO) Consent No. AWH- 56349 dated – 25.07.2022 valid up to 30.06.2027. CGWA NOC & CTO Copy as enclosed in given below.



केन्द्रीय भूजल प्राधिकरण
Ministry of Water Resources
Government of India
New Delhi-110002

नगरीय भूजल संचयन प्रमाणपत्र
NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

Project Name:	Karnataka State Water Supply Corporation Ltd. (KSWSC) - Bangalore		
Project Address:	Village: K. S. Nagar, Taluk: K. S. Nagar, District: Bangalore		
Village:	K. S. Nagar	Taluk:	K. S. Nagar
District:	Bangalore	State:	Karnataka
Pin Code:	560001		
Consent to Operate (CTO) No.:	KSWSC/CTO/2024/001		
Consent to Operate (CTO) Date:	13.03.2024		
Consent to Operate (CTO) Validity:	02.06.2025		
Consent to Operate (CTO) Issued By:	Central Ground Water Authority, New Delhi		

1. NOC No.:	CGWA/NOC/2024/001	2. Date of Issuance:	13.03.2024
3. Application No.:	21-4-2024/MP/M2024	4. Category:	Small
5. Project Status:	Existing with Abstraction Consent	6. NOC Type:	Renewal
7. Validity:	02.06.2025	8. Validity:	02.06.2025

Flow Rate (m³/day)	10.00	Flow Rate (m³/day)	10.00
Flow Rate (m³/day)	10.00	Flow Rate (m³/day)	10.00

Total Abstraction No.: 1

Abstraction No.	1	2	3	4	5	6	7	8	9	10
Abstraction No.	1	2	3	4	5	6	7	8	9	10

1. Consent Water Application/Consent to Operate (CTO) No.: KSWSC/CTO/2024/001

2. Consent Water Application/Consent to Operate (CTO) Date: 13.03.2024

3. Consent Water Application/Consent to Operate (CTO) Validity: 02.06.2025

4. Consent Water Application/Consent to Operate (CTO) Issued By: Central Ground Water Authority, New Delhi

5. Consent Water Application/Consent to Operate (CTO) Issued By: Central Ground Water Authority, New Delhi

6. Consent Water Application/Consent to Operate (CTO) Issued By: Central Ground Water Authority, New Delhi

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8. Consent Water Application/Consent to Operate (CTO) Issued By: Central Ground Water Authority, New Delhi

9. Consent Water Application/Consent to Operate (CTO) Issued By: Central Ground Water Authority, New Delhi

10. Consent Water Application/Consent to Operate (CTO) Issued By: Central Ground Water Authority, New Delhi



State Pollution Control Board
E-1, Sector-10, Connaught Place, New Delhi-110028

Consent Order

Consent No.: SPB/2024/001

To: The Director, Karnataka State Water Supply Corporation Ltd. (KSWSC), Bangalore

Subject: Grant of Consent to Operate (CTO) under section 21 of the Water (Prevention and Control of Pollution) Act, 1986, under section 21 of the Air (Prevention and Control of Pollution) Act, 1986, and under section 21 of the Environment Protection Act, 1986, for the purpose of abstraction of ground water for the purpose of supply of drinking water to the public.

Details: A CTO is hereby granted to the KSWSC for the purpose of abstraction of ground water for the purpose of supply of drinking water to the public. The CTO is valid for a period of 02.06.2025. The CTO is issued by the State Pollution Control Board, New Delhi.


Conditions: The KSWSC shall comply with the conditions of the CTO. The KSWSC shall not exceed the flow rate of 10.00 m³/day. The KSWSC shall not exceed the flow rate of 10.00 m³/day. The KSWSC shall not exceed the flow rate of 10.00 m³/day.

Signature and Stamp: The Director, Karnataka State Water Supply Corporation Ltd. (KSWSC), Bangalore

Signature and Stamp: The Director, Karnataka State Water Supply Corporation Ltd. (KSWSC), Bangalore

NOC & CTO Copy

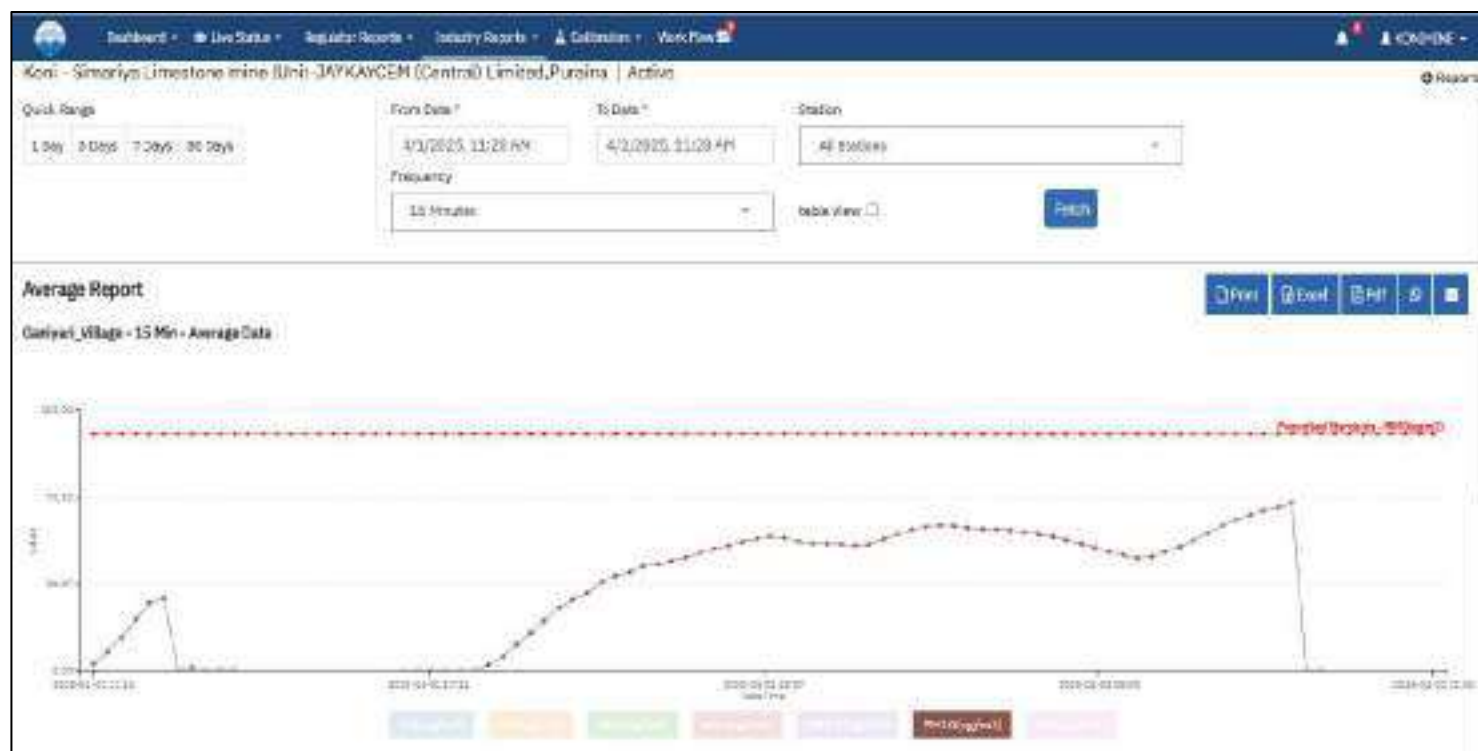
B. Standard EC Conditions:		
I. Statutory compliance		
1)	This Environmental Clearance (EC) is subjected to judgment of Hon'ble Supreme Court of India, Hon'ble Court, Hon'ble NGT and any other Court of Law, Common Cause Conditions as may be applicable.	Complied
2)	The Project proponent complies with 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.	Complied

<p>7)</p>	<p>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). A copy of the advertisement may be forwarded to the concern MoEFCC, Regional Office for compliance and Record.</p>	<p>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.-6.</p>
<p>8)</p>	<p>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.</p>	<p>Complied. Change in ownership of the mining lease name changes in EC. copy attached as below</p>  <p>The image shows a formal letter from the Government of India, Ministry of Environment, Forest and Climate Change. The letter is dated 2021 and is addressed to the Regional Office, MoEFCC, Lucknow. It contains details about a project and a change in ownership. The letter is signed by the Secretary, MoEFCC, and includes a list of attachments.</p>

Complied.
03 Nos. of CAAQMS were installed, one is Near Boda Village (Mine site) and second one is Near Ganiyari Villlage & 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 & MPPCB servers. The monitoring data is being displayed at the mines office near the main gate within the mine premises.



CAAQMS Station



10)	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 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.	Complied. 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 prescribed norms by the MoEFCC/ Central Pollution Control Board.
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Water sprinkling at Koni Mine haulage road

III. Water quality monitoring and preservation		
11)	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.	Complied. 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 Annexure- 7 .
12)	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.	Complied. 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 25.02.2025 (Ground water level) & (Surface water & quality test report) Report enclosed as Annexure No.-7 and Annexure No.- 8 .

External

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With reference to the aforesaid subject, please find herewith attached Surface water & Ground Water Quality Analysis Report for the month of January-2025 for Koni-Simariya Limestone Mine of M/s J K Cement Ltd. at Villages:- Koni, Bada, Gudha, Mahoragani, Gariyan, Vanshal, Simariya, Dovi, Pagra & Kuluwa Tehsil-Samariya, District Panna (M.P.)-488441, for your kind information and record please.

2000

✦ Summarize this email



📅 Tue, Feb 25, 4:18 PM

☆ 9 1

To:
The Member Secretary,
Central Ground Water Authority,
Samnagar House, New Delhi-110031
e-mail: cgwa@nic.in

Subject: Submission of Ground Water Level Monitoring Reports for Koni-Simariya Limestone Mine of M/s J K Cement Ltd. Located at Villages -Koni, Boda, Gudha, Mohariganj, Ganiyari, Vambhal, Simariya, Deval, Pagra & Kuluwa, Tehsil-Simariya, District Panna (M.P.) for the month of January 2025.

Reference No.: COMA/NOC/MIN/ORG/2021/11555

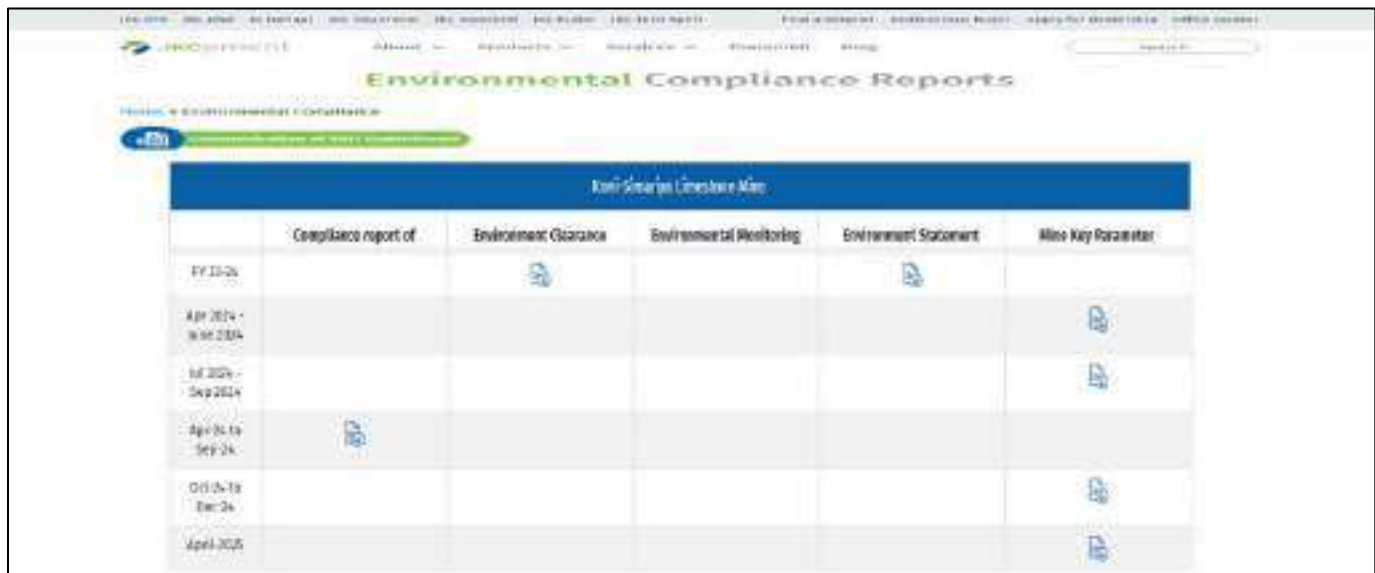
near 50.

With reference to the aforesaid subject, please find Ground Water Level Monitoring reports for Kori-Simariya Limestone Mine of M/s J. K. Cement Ltd., located at Villages -Kori, Borda, Gadhra, Bakharaipant, Gantvari, Vantbhai, Simariya, Devri, Pagra & Kuchwa, Tehsil-Simariya, District Panna (M.P.), for the

Water Level & Quality test report send by email

- | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>13) 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.</p> | <p>Complied.
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 Annexure -8.</p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

14)	<p>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.</p>	<p>Complied. 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 Annexure No.9</p> <p>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.</p>
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The screenshot shows a web application titled 'Environmental Compliance Reports' for 'Kailashgarh Limestone Mine'. It features a table with columns: 'Compliance report of', 'Environment Clearance', 'Environmental Monitoring', 'Environment Statement', and 'Mine Key Parameter'. The table lists several reports with dates and corresponding document icons.

Compliance report of	Environment Clearance	Environmental Monitoring	Environment Statement	Mine Key Parameter
FF-12-26				
Apr 2024 - 30th 2024				
Jul 2024 - 30th 2024				
Apr 2024 - 30th 2024				
Oct 2024 - 30th 2024				
April 2025				

Data uploading in Company website

15)	<p>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.</p>	<p>Complied. Rain water harvesting structures (03 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.</p>
16)	<p>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.</p>	<p>Complied. 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. Surface runoff monitoring report is enclosed as Annexure-9. The result of surface run off is well within the standard stipulated in CTO. Presently, there is no workshop in mine.</p>
17)	<p>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.</p>	<p>Complied. Water balance for period from April-2024 to March-2025 is given below.</p>

Sr.No	Water Code	Permission of Water Consumption (KL/Day)	Permission of Waste water generation (KL/Day)	April-2024 to March-2025		
				Water Consumption (KL/Day)	Waste water generation (KL/Day)	Reuse/ recycle
1	Domestic water	10	7.0	4.6	Nil	Nil
2	Dust Suppression	68	0.0	38.4	N/A	N/A
3	Floor / Utensils / Other Washing	10	8.0	2.1	Nil	Nil
4	Mnfg Process	51	0.0	22.6	N/A	N/A
5	Others	1	0.0	0.4	Nil	Nil
6	Plantation / Horticulture	20	0.0	12.5	N/A	N/A

IV. Noise and vibration monitoring and prevention

18)	The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines	<p>Complied. Peak Particle velocity is being monitored as per DGMS guidelines.</p> <table><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><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></table> <p>Peak particle velocity Report is enclosed as Annexure -3.</p>	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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Pit 4	1803	958	2200																							
19)	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>Complied. 04 No's of High mast 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 Annexure-2.</p>																								



High mast Tower



20)	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 equipment.	Complied. 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 equipment's 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. Work Zone noise report are enclosed as Annexure-10 .
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V. Mining Plan

21)	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.).	Complied. Mining operation is being executed as per approved mining plan and quantity approved in EC.												
		<table> <tr> <th>Mineral</th><th>As per EC permission</th><th>FY 2024-25 (Apr-24 to Mar-25)</th></tr> <tr> <td>Limestone</td><td>5.08 MTPA</td><td>1.74 MTPA</td></tr> <tr> <td>Soil</td><td>2.94 MTPA</td><td>1.15 MTPA</td></tr> <tr> <td>OB</td><td>1.03 MTPA</td><td>0.00</td></tr> </table>	Mineral	As per EC permission	FY 2024-25 (Apr-24 to Mar-25)	Limestone	5.08 MTPA	1.74 MTPA	Soil	2.94 MTPA	1.15 MTPA	OB	1.03 MTPA	0.00
Mineral	As per EC permission	FY 2024-25 (Apr-24 to Mar-25)												
Limestone	5.08 MTPA	1.74 MTPA												
Soil	2.94 MTPA	1.15 MTPA												
OB	1.03 MTPA	0.00												
22)	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.	Complied 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.												

VI. Land reclamation

23)	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.	Complied. 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.
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24)	<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>Complied. Presently all the dumps are active. Slope of the 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. Grassing on the dumps will be done for stabilization.</p>
25)	<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>Complied 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>
<div style="display: flex; justify-content: space-around; align-items: center;">   </div> <p style="text-align: center;">Garland drain</p>		
26)	<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>Complied. Check dams of appropriate size, gradient and length have been 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 & sedimentation pit photo as enclosed in given below.</p>



Siltation ponds



Check dam



Top Soil dump and around drain line

VII. Transportation

- 27) 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].

Complied.

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.

- EC amended and timeline for OLBC installation is up to Aug 2025
- Widening and strengthening of existing public road network is done from Boda village to SH 49
- Maintenance of vehicles are being carried out periodically

Sample copy of PUC certificate is given below.

Form 02
(See rules 115 (2))

Pollution Under Control Certificate

Authorized By: _____

Date: 11/04/2025
Time: 14:28:31 PM
Validity upto: 10/04/2026

Cellular ID No: 180740014005327
Registration No: MP20214315
Date of Registration: 15/Feb/2024
Brand & Model of Manufacturing: Swaraj-S60
Vehi Model Number: 1400009
Chassis Number: D11AAY D160C V1
Fuel: DIESEL
POD Date: 03/04/2024
POD By: HSE740014
MS observation: Nil

Vehicle Photo with Registration plate
60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission Limits	Measured Value (upto 3 decimal places)
1	2	3	4	5
Steady Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbons, (THC)HC	ppm		
High idling emissions	CO	percentage (%)		
	THC	ppm	2000 ± 200	
	Leakage	-	1 ± 0.03	
Smoke density	Light absorption coefficient	1/metre	0.7	0.15

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note: 1. Vehicle owners to link their vehicle numbers to registered vehicle by logging to Wipro Open pollution portal

Authorized Signature with stamp of PUC Operator
60mm x 20 mm

PUC Certificate

- 28) 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

29)	<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>Complied.</p> <p>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, 773.41 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.</p> <p>5 ha of peripheral greenbelt is 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 had developed plantation in 23.55 ha with 52956 no's saplings in non-mineralized zone, around the water bodies, nallah and the habitation.</p>
30)	<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>Complied.</p> <p>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>

31)	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.	Not applicable. No grazing land is available in mining lease area. Hence, not applicable.
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IX. Public hearing and human health issues

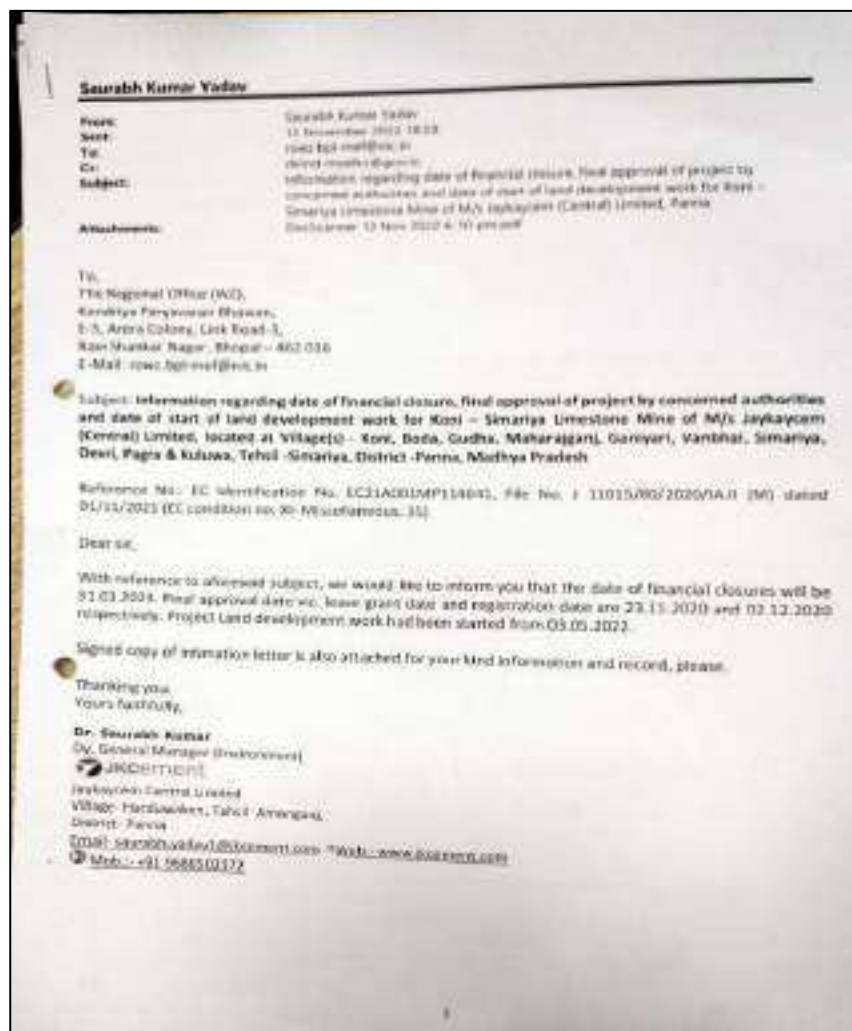
32)	Project Proponent shall make provision for the housing for workers/labors or shall construct labor camps within / outside (company owned land) with necessary basic infrastructure/ facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche for kids 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.	Complied. 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="885 806 1516 1229" data-label="Image"> </div> <p style="text-align: center;"><u>STP With Capacity 300KLD</u></p>
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X. Corporate Environment Responsibility (CER)

33)	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.	Complied. 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

34)	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.	Agree to Complied. 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.
35)	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.	Complied. 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.



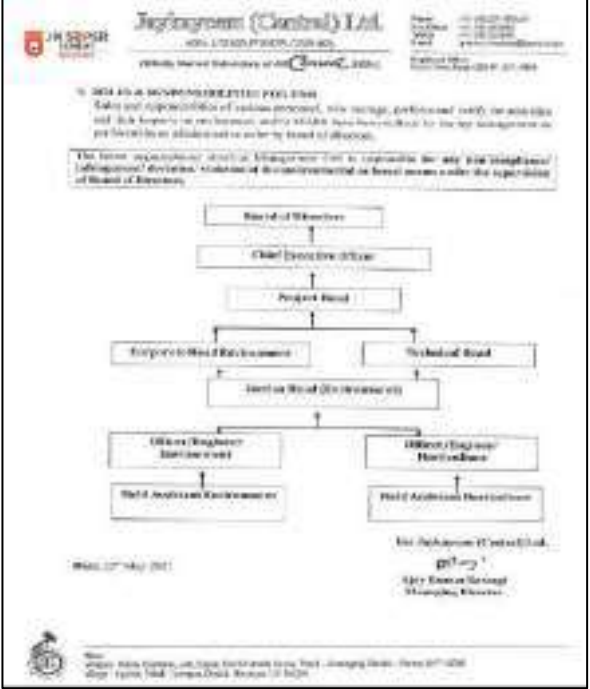
Financial Closure approval copy submitted

36) 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.

Complied.

Six monthly compliance report is being submitted to the MOEF&CC & its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board. Last EC compliance report Letter no- JKCEMENT/ENV./EC/KONI/2024-25/02/15 dated 27.11.2024.

Parivesh portal uploading EC compliance.

37)	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&CC.	<p>Complied.</p> <p>A separate 'Environmental Management Cell' has been established under the Senior Executive who directly report to the Head of the organization.</p>  <p style="text-align: center;">Head of the Organization</p>
38)	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>Being Complied.</p> <p>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>
39)	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>Agreed & Noted.</p>
40)	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>Agreed & Noted.</p>
41)	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>Agreed & Noted.</p>
42)	The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court and any other Court of Law relating to the subject matter.	<p>Agreed & Noted.</p>

43)	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Agreed & Noted.
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Amendment in EC File No. J-11015/80/2020/IA .II(M), Date: 15/09/2023

1. Single use plastic:

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.	Complied. Awareness program among the nearby schools and village on the ban of Single Use Plastic (SUP) has been carried out and report with photographs are attached as Annexure-11 .
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2. ETP:

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.	Complied. 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. Surface runoff monitoring report is enclosed as Annexure-9 . The result of surface run off is well within the standard stipulated in CTO. Presently, there is no workshop in mine.
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3. Mining plan:

3.1	The Project Proponent shall strictly adhere to the production schedule as per the approved mining plan dated 29.06.2022.	Agreed and Complied.
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4. Miscellaneous :

4.1	All other terms and conditions mentioned in the EC letter dated 01.11.2021 shall remain unchanged.	Noted.
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5. Public hearing:

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.	Complied. Construction of boundary wall around the cremation ground in Semariya Village is completed. Photo enclosed in given below.
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Boundary wall

6. Road transportation:

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.	Complied 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.	Complied
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.	Complied. 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. Fugitive dust emission reports enclosed as Annexure-12.
7. Skill Development:		
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.	Complied. Employment based apprenticeship / internship training program through ITI had been provided to 27 Nos. local residents during FY:2023-24. Further, our ITI College has been established and employment-based apprenticeship/ internship training program will be conducted every year.
8. Water conservation:		
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.	Complied. Two rainwater harvesting pits has been completed and one existing pit (Pit-1) is being used as rainwater harvesting structure in the lease area.
9. Wild Life conservation:		
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.	Agreed and being complied. We have deposited total amount of Rs. 180.0 Lakhs for 10 years. 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-4.

Yours Sincerely
For M/s Koni-Simariya Limestone Mine
(A Unit of JK Cement Limited, Panna)



(Kapil Agrawal)
Unit Head



Annexure-1

Ambient Air Quality Report



TEST REPORT

Sample Number:

Name & Address of the Party

Sample Description :

VTL/AA/04-06

M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Koni-Simariya
Limestone Mine Village-Harduwaken Tehsil-
Amanganj PIN-488441 Dist-Panna

Ambient Air Quality Monitoring

Report No.:

Format No.:

Party Reference No.:

VTL/A/2411170029-34

7.8 F 02

NIL

Report Date:

Period of Analysis:

Receipt Date

25/11/2024

17-25/11/2024

17/11/2024

General Information:-

Date of Sampling

Sample collected by

Instrument Calibration Status

Meteorological condition during monitoring

Surrounding Activity

Scope of Monitoring

Sampling & Analysis Protocol

Sampling Duration

Parameter Required

: 13-14/11/2024

: VTL Team

: Calibrated

: Clear sky

: Human, Vehicular & Other Activities

: Regulatory Requirement

: IS-5182 & CPCB Guidelines

: 24 hrs.

: As Per Work Order

S.NO	Sampling Location	PM10 µg/m ³	PM2.5 µg/m ³	NO2 µg/m ³	SO2 µg/m ³	CO mg/m ³	NH3 µg/m ³	Pb µg/m ³	Benzene µg/m ³	Benzo(a) Pyrene ng/m ³	O3 µg/m ³	Nickel ng/m ³	Arsenic ng/m ³
		IS: 5182 (P-23), 2017	IS: 5182 (P-24), 2019	IS: 5182 (P-6), 2006	IS: 5182 (P-2), 2001	IS: 5182 (P-10) NDIR	3rd ed., 1988 Method No.401	IS: 5182 (P-22), 2004	IS: 5182 (P-11), 2006	IS: 5182 (P-12), 20	IS: 5182 (P-9) :1974	USEPA Compend m IO-3.2, 1999	3rd ed., 1988 Method No.302
1.	Suhwani Kalan Village	54.61	27.58	14.37	7.04	0.70	*BLQ (**LOQ2.0)	*BLQ (**LOQ0.02)	*BLQ (**LOQ1.0)	*BLQ (**LOQ0.2)	11.36	*BLQ (**LOQ5.0)	*BLQ (**LOQ0.15)
2.	Simariya Village	51.69	26.13	13.24	6.98	0.63	*BLQ (**LOQ2.0)	*BLQ (**LOQ0.02)	*BLQ (**LOQ1.0)	*BLQ (**LOQ0.2)	8.97	*BLQ (**LOQ5.0)	*BLQ (**LOQ0.15)
3.	Tighara Village	48.67	23.42	11.78	6.10	0.60	*BLQ (**LOQ2.0)	*BLQ (**LOQ0.02)	*BLQ (**LOQ1.0)	*BLQ (**LOQ0.2)	9.75	*BLQ (**LOQ5.0)	*BLQ (**LOQ0.15)
4.	Kholkahiya Village	52.34	26.00	14.16	8.76	0.73	*BLQ (**LOQ2.0)	*BLQ (**LOQ0.02)	*BLQ (**LOQ1.0)	*BLQ (**LOQ0.2)	15.26	*BLQ (**LOQ5.0)	*BLQ (**LOQ0.15)
5.	Garhi Karhiya Village	50.37	25.34	12.39	6.85	0.57	*BLQ (**LOQ2.0)	*BLQ (**LOQ0.02)	*BLQ (**LOQ1.0)	*BLQ (**LOQ0.2)	10.12	*BLQ (**LOQ5.0)	*BLQ (**LOQ0.15)
6.	Khamagaaur Village	49.89	23.86	10.89	5.89	0.52	*BLQ (**LOQ2.0)	*BLQ (**LOQ0.02)	*BLQ (**LOQ1.0)	*BLQ (**LOQ0.2)	8.67	*BLQ (**LOQ5.0)	*BLQ (**LOQ0.15)
#NAAQS Standard		100	60	80	80	04	400	01	05	01	180	20	06

-----End of the Report-----

Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

Vibrant Techno Lab Pvt. Ltd.

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TEST REPORT

Sample Number:

VTL/AA/01-03

Report No.:

VTL/A/2411170026-28

Name & Address of the Party

M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Koni-Simariya
Limestone Mine Village-Harduwaken Tehsil-
Amanganj PIN-488441 Dist-Panna

Format No.:

7.8 F 02

Party Reference No.:

NIL

Sample Description :

Ambient Air Quality Monitoring

Report Date:

25/11/2024

Period of Analysis:

17-25/11/2024

Receipt Date

17/11/2024

General Information:-

Date of Sampling

: 12-13/11/2024

Sample collected by

: VTL Team

Instrument Calibration Status

: Calibrated

Meteorological condition during monitoring

: Clear sky

Surrounding Activity

: Human, Vehicular & Other Activities

Scope of Monitoring

: Regulatory Requirement

Sampling & Analysis Protocol

: IS-5182 & CPCB Guidelines

Sampling Duration

: 24 hrs.

Parameter Required

: As Per Work Order

S.NO	Sampling Location	PM10 µg/m ³	PM2.5 µg/m ³	NO2 µg/m ³	SO2 µg/m ³	CO mg/m ³	NH3 µg/m ³	Pb µg/m ³	Benzene µg/m ³	Benzo(a) Pyrene ng/m ³	O3 µg/m ³	Nickel ng/m ³	Arsenic ng/m ³
		IS: 5182 (P-23), 2017	IS: 5182 (P-24), 2019	IS: 5182 (P-6), 2006	IS: 5182 (P-2), 2001	IS: 5182 (P-10) NDIR	3rd ed., 1988 Method No.401	IS: 5182 (P-22), 2004	IS: 5182 (P-11), 2006	IS: 5182 (P-12), 20	IS: 5182 (P-9) 1974	USEPA Compendi m 10-3.2, 1999	3rd ed., 1988 Method No.302
1.	Maharajganj (Mine Site)	56.97	29.67	16.37	8.64	0.65	*BLQ (**LOQ2.0)	*BLQ (**LOQ0.02)	*BLQ (**LOQ1.0)	*BLQ (**LOQ0.2)	12.73	*BLQ (**LOQ5.0)	*BLQ (**LOQ0.15)
2.	Boda Village School	54.16	28.68	14.35	7.15	0.58	*BLQ (**LOQ2.0)	*BLQ (**LOQ0.02)	*BLQ (**LOQ1.0)	*BLQ (**LOQ0.2)	10.24	*BLQ (**LOQ5.0)	*BLQ (**LOQ0.15)
3.	Boda Village	49.23	24.12	12.96	6.89	0.49	*BLQ (**LOQ2.0)	*BLQ (**LOQ0.02)	*BLQ (**LOQ1.0)	*BLQ (**LOQ0.2)	8.38	*BLQ (**LOQ5.0)	*BLQ (**LOQ0.15)
#NAAQS Standard		100	60	80	80	04	400	01	05	01	180	20	06

-----End of the Report-----

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Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

Vibrant Techno Lab Pvt. Ltd.

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TEST REPORT

Sample Number:

VTL/AA/01-03

Report No.:

VTL/A/2411170023-25

Name & Address of the Party

M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Koni-Simariya
Limestone Mine Village-Harduwaken Tehsil-
Amanganj PIN-488441 Dist-Panna

Format No.:

7.8 F 02

Party Reference No.:

NIL

Sample Description:

Ambient Air Quality Monitoring

Report Date:

25/11/2024

Period of Analysis:

17-25/11/2024

Receipt Date

17/11/2024

General Information:-

Date of Sampling

: 12-13/11/2024

Sample collected by

: VTL Team

Instrument Calibration Status

: Calibrated

Meteorological condition during monitoring

: Clear sky

Surrounding Activity

: Human, Vehicular & Other Activities

Scope of Monitoring

: Regulatory Requirement

Sampling & Analysis Protocol

: IS-5182 & CPCB Guidelines

Sampling Duration

: 24 hrs.

Parameter Required

: As Per Work Order

S.NO	Sampling Location	PM10 µg/m ³	PM2.5 µg/m ³	NO2 µg/m ³	SO2 µg/m ³	CO mg/m ³	NH3 µg/m ³	Pb µg/m ³	Benzene µg/m ³	Benzo(a) Pyrene ng/m ³	O3 µg/m ³	Nickel ng/m ³	Arsenic ng/m ³
		IS: 5182 (P-23), 2017	IS: 5182 (P-24), 2019	IS: 5182 (P-6), 2006	IS: 5182 (P-3), 2001	IS: 5182 (P-10) NDIR	3rd ed., 1988 Method No.401	IS: 5182 (P-22), 2004	IS: 5182 (P-11), 2004	IS: 5182 (P-12), 2004	IS: 5182 (P-9) 1974	USEPA Compend m 10 -3.2, 1999	3rd ed., 1988 Method No.302
1.	Near CAAQMS Station	53.67	27.85	15.34	9.61	0.70	*BLQ (**LOQ2.0)	*BLQ (**LOQ0.02)	*BLQ (**LOQ1.0)	*BLQ (**LOQ0.2)	17.25	*BLQ (**LOQ5.0)	*BLQ (**LOQ0.15)
2.	Near Mines Office	50.34	26.12	13.28	8.16	0.64	*BLQ (**LOQ2.0)	*BLQ (**LOQ0.02)	*BLQ (**LOQ1.0)	*BLQ (**LOQ0.2)	12.87	*BLQ (**LOQ5.0)	*BLQ (**LOQ0.15)
3.	Near Mine Pit Lease Boundary	46.27	22.74	11.86	7.49	0.58	*BLQ (**LOQ2.0)	*BLQ (**LOQ0.02)	*BLQ (**LOQ1.0)	*BLQ (**LOQ0.2)	10.24	*BLQ (**LOQ5.0)	*BLQ (**LOQ0.15)
#NAAQS Standard		100	60	80	80	04	400	01	05	01	100	20	06

End of the Report

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Checked By



RK Yadav
Lab Incharge
Authorized Signatory

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Sample Number: VTL/AA/04-06
Name & Address of the Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Koni-Simariya
Limestone Mine Village-Harduwaken Tehsil-
Amanganj PIN-488441 Dist-Panna

Report No.: VTL/A/2503010023-28
Format No.: 7.8 F 02
Party Reference No.: NIL

Sample Description : Ambient Air Quality Monitoring

Report Date: 05/03/2025
Period of Analysis: 01-05/03/2025
Receipt Date: 01/03/2025

General Information:-

Date of Sampling : 19-20/02/2025
Sample collected by : VTL Team
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear sky
Surrounding Activity : Human, Vehicular & Other Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS-5182 & CPCB Guidelines
Sampling Duration : 24 hrs.
Parameter Required : As Per Work Order

S.NO.	Sampling Location	PM10 µg/m ³	PM2.5 µg/m ³	NO2 µg/m ³	SO2 µg/m ³	CO mg/m ³
		IS: 5182 (P-23), 2017	IS 5182 (P-24): 2019	IS: 5182 (P-6), 2006	IS: 5182 (P-2), 2001	IS: 5182 (P-10) NDIR
1.	Suhwani Kalan Village	58.79	31.26	17.54	9.67	0.57
2.	Simariya Village	55.36	28.57	15.20	8.16	0.48
3.	Tighara Village	51.37	26.72	13.17	7.48	0.42
4.	Kholkaahiya Village	56.19	30.41	16.94	8.69	0.49
5.	Garhi Karhiya Village	53.21	27.15	14.36	7.12	0.61
6.	Khamagaur Village	57.10	31.75	15.78	8.19	0.54
#NAAQS Standard		100	60	80	80	04

-----End of the Report-----

Checked By



RK Yadav
Lab Incharge
Authorized Signatory

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Vibrant Techno Lab Pvt. Ltd.

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Sample Number: VTL/AA/01-03
 Name & Address of the Party: M/s JK Cement Works, Panna (A Unit Of JK Cement Ltd.) Koni-Simariya Limestone Mine Village-Harduwaken Tehsil-Amanganj PIN-488441 Dist-Panna
 Report No.: VTL/A/2503010029-31
 Format No.: 7.8 F 02
 Party Reference No.: NIL
 Sample Description: Ambient Air Quality Monitoring
 Report Date: 05/03/2025
 Period of Analysis: 01-05/03/2025
 Receipt Date: 01/03/2025

General Information:-

Date of Sampling : 19-20/02/2025
 Sample collected by : VTL Team
 Instrument Calibration Status : Calibrated
 Meteorological condition during monitoring : Clear sky
 Surrounding Activity : Human, Vehicular & Other Activities
 Scope of Monitoring : Regulatory Requirement
 Sampling & Analysis Protocol : IS-5182 & CPCB Guidelines
 Sampling Duration : 24 hrs.
 Parameter Required : As Per Work Order

S.NO.	Sampling Location	PM10 µg/m ³	PM2.5 µg/m ³	NO2 µg/m ³	SO2 µg/m ³	CO mg/m ³
		IS: 5182 (P-23), 2017	IS: 5182 (P-24), 2019	IS: 5182 (P-6), 2006	IS: 5182 (P-2), 2001	IS: 5182 (P-10) NDIR
1.	Maharajganj (Mine Site)	59.32	33.24	18.75	10.14	0.43
2.	Boda Village School	56.81	31.18	16.89	9.78	0.52
3.	Boda Village	53.47	28.63	14.71	8.25	0.39
#NAAQS Standard		100	60	80	80	04

-----End of the Report-----

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Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSA:45001 Certified

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Sample Number: VTL/AA/01-03
 Name & Address of the Party: M/s JK Cement Works, Panna
 (A Unit Of JK Cement Ltd.) Koni-Simariya
 Limestone Mine Village-Harduwaken Tehsil-
 Amanganj PIN-488441 Dist-Panna

Report No.: VTL/A/2503010032-34
 Format No.: 7.8 F 02
 Party Reference No.: NIL

Sample Description: Ambient Air Quality Monitoring

Report Date: 05/03/2025
 Period of Analysis: 01-05/03/2025
 Receipt Date: 01/03/2025

General Information:-

Date of Sampling : 19-20/02/2025
 Sample collected by : VTL Team
 Instrument Calibration Status : Calibrated
 Meteorological condition during monitoring : Clear sky
 Surrounding Activity : Human, Vehicular & Other Activities
 Scope of Monitoring : Regulatory Requirement
 Sampling & Analysis Protocol : IS-5182 & CPCB Guidelines
 Sampling Duration : 24 hrs.
 Parameter Required : As Per Work Order

S.NO.	Sampling Location	PM10 µg/m ³	PM2.5 µg/m ³	NO2 µg/m ³	SO2 µg/m ³	CO mg/m ³
		IS: 5182 (P-23), 2017	IS: 5182 (P-24), 2019	IS: 5182 (P-6), 2006	IS: 5182 (P-2), 2001	IS: 5182 (P-10) NDIR
1.	Near CAAQMS Station	56.75	29.67	18.51	10.23	0.72
2.	Near Mines Office	53.69	27.45	16.97	9.14	0.56
3.	Near Mine Pit Lease Boundary	49.35	25.34	14.28	8.16	0.52
#NAAQS Standard		100	60	80	80	04

-----End of the Report-----

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Annexure-2

Noise Monitoring Report

**VIBRANT**

"Experience the unimaginable"

Sample Number:

Name & Address of Party:

Sample Description :

VTL/ N/01-06

M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Koni-Simariya
Limestone Mine Village-Harduwaken Tehsil-
Amanganj PIN-488441 Dist-Panna

Ambient Noise Level Monitoring

Report No.:

Format No.:

Party Reference No.:

Report Date:

Receipt Date:

VTL/N/2503010024-29

7.8 F-04

NIL

05/03/2025

01/03/2025

General Information:-

Sample collected by

Instrument Used

Instrument Calibration Status

Instrument Code

Meteorological condition during monitoring

Scope of Monitoring

Sampling & Analysis Protocol

Parameter Required

: VTL Team

: Sound Level Meter

: Calibrated

: VTL/SLM/01-03

: Clear Sky

: Regulatory Requirement

: IS 9989-1981 RA: 2020

: As per Work Order

S. No.	Location	Date	Test Parameter	Test Result dB (A)	
				Day Time	Night Time
1	Suhwani Kalan Village	25-26/02/2025	Leq	51.3	42.2
2	Simariya Village	25-26/02/2025	Leq	49.2	40.8
3	Tighara Village	25-26/02/2025	Leq	50.8	41.9
4	Kholkahliya Village	26-27/02/2025	Leq	52.1	42.1
5	Garhi Karhiya Village	26-27/02/2025	Leq	48.7	40.5
6	Khamagaur Village	26-27/02/2025	Leq	52.2	41.7
Category of Zones		Leq in dB (A)			
		Day		Night	
Industrial		75		70	
Commercial		65		55	
Residential		55		45	
Silence Zone		50		40	
1. Day Time is from 6.00 AM to 10.00 PM. 2. Night Time is reckoned between 10.00 PM to 6.00 AM. 3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones. Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply					

Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

Vibrant Techno Lab Pvt. Ltd.

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Sample Number: VTL/ N/01-09
Name & Address of Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Koni-Simariya
Limestone Mine Village-Harduwaken Tehsil-
Amanganj PIN-488441 Dist-Panna
Sample Description: Ambient Noise Level Monitoring

Report No.: VTL/N/2503010030-38
Format No.: 7.8 F-04
Party Reference No.: NIL
Report Date: 05/03/2025
Receipt Date: 01/03/2025

General Information:-

Sample collected by : VTL Team
Instrument Used : Sound Level Meter
Instrument Calibration Status : Calibrated
Instrument Code : VTL/SLM/01-05
Meteorological condition during monitoring : Clear Sky
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS 9989-1981 RA: 2020
Parameter Required : As per Work Order

S. No.	Location	Date	Test Parameter	Test Result dB (A)	
				Day Time	Night Time
1	Near Koni Mine Office	26-27/02/2025	Leq	55.2	44.7
2	Near Security Office	26-27/02/2025	Leq	64.5	53.1
3	Near Koni Mine Crusher	26-27/02/2025	Leq	54.6	44.5
4	Near Koni mine Weigh Bridge	26-27/02/2025	Leq	57.3	46.1
5	Near Koni Mine Pit -01	26-27/02/2025	Leq	62.9	53.4
6	Near Koni Mine Pit -02	27-28/02/2025	Leq	64.3	44.8
7	Near Koni Mine Pit -03	27-28/02/2025	Leq	61.7	43.6
8	Boda Village	27-28/02/2025	Leq	52.0	41.7
9	Boda Village School	27-28/02/2025	Leq	50.9	38.5

Category of Zones	Leq in dB (A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.
2. Night Time is reckoned between 10.00 PM to 6.00 AM.
3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.
Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

Vibrant Techno Lab Pvt. Ltd.

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Sample Number: VTL/ N/01-09
Name & Address of Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Koni-Simariya
Limestone Mine Village-Harduwaken Tehsil-
Amanganj PIN-480441 Dist-Panna
Sample Description : Ambient Noise Level Monitoring

Report No.: VTL/N/2411170030-38
Format No.: 7.8 F-04
Party Reference No.: NIL
Report Date: 25/11/2024
Receipt Date: 17/11/2024

General Information:-

Sample collected by : VTL Team
Instrument Used : Sound Level Meter
Instrument Calibration Status : Calibrated
Instrument Code : VTL/SLM/01-05
Meteorological condition during monitoring : Clear Sky
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS 9989-1981 RA: 2020
Parameter Required : As per Work Order

S. No.	Location	Date	Test Parameter	Test Result dB (A)	
				Day Time	Night Time
1	Near Koni Mine Office	13-14/11/2024	Leq	54.6	43.2
2	Near Security Office	13-14/11/2024	Leq	61.8	52.6
3	Near Koni Mine Crusher	13-14/11/2024	Leq	52.1	41.7
4	Near Koni mine Weigh Bridge	13-14/11/2024	Leq	56.4	42.9
5	Near Koni Mine Pit -01	13-14/11/2024	Leq	59.0	51.5
6	Near Koni Mine Pit -02	14-15/11/2024	Leq	61.7	43.2
7	Near Koni Mine Pit -03	14-15/11/2024	Leq	63.3	44.5
8	Boda Village	14-15/11/2024	Leq	51.9	38.7
9	Boda Village School	14-15/11/2024	Leq	52.4	40.9
Category of Zones		Leq in dB (A)			
		Day		Night	
Industrial		75		70	
Commercial		65		55	
Residential		55		45	
Silence Zone		50		40	
1. Day Time is from 6.00 AM to 10.00 PM. 2. Night Time is reckoned between 10.00 PM to 6.00 AM. 3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones. Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply					

Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

Vibrant Techno Lab Pvt. Ltd.

SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020
9929108691, 9810205356, 8005707098, 9549956601

0141-2954638
bd@vibranttechnolab.com
www.vibranttechnolab.com

Sample Number: VTL/ N/01-06
Name & Address of Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Koni-Simariya
Limestone Mine Village-Harduwaken Tehsil-
Amanganj PIN-488441 Dist-Panna
Sample Description : Ambient Noise Level Monitoring

Report No.: VTL/N/2411170039-44
Format No.: 7.8 F-04
Party Reference No.: NIL
Report Date: 25/11/2024
Receipt Date: 17/11/2024

General Information:-

Sample collected by : VTL Team
Instrument Used : Sound Level Meter
Instrument Calibration Status : Calibrated
Instrument Code : VTL/SLM/01-03
Meteorological condition during monitoring : Clear Sky
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS 9969-1981 RA: 2020
Parameter Required : As per Work Order

S. No.	Location	Date	Test Parameter	Test Result dB (A)	
				Day Time	Night Time
1	Suhwani Kalan Village	13-14/11/2024	Leq	52.3	43.5
2	Simariya Village	13-14/11/2024	Leq	50.8	41.9
3	Tighara Village	13-14/11/2024	Leq	48.7	39.4
4	Kholkahiya Village	14-15/11/2024	Leq	50.2	42.5
5	Garhi Karhiya Village	14-15/11/2024	Leq	47.9	38.4
6	Khamagaur Village	14-15/11/2024	Leq	51.1	43.0
Category of Zones		Leq in dB (A)			
		Day	Night		
Industrial		75	70		
Commercial		65	55		
Residential		55	45		
Silence Zone		50	40		
1. Day Time is from 6.00 AM to 10.00 PM. 2. Night Time is reckoned between 10.00 PM to 6.00 AM. 3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones. Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply.					

Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001. Certified

Vibrant Techno Lab Pvt. Ltd.

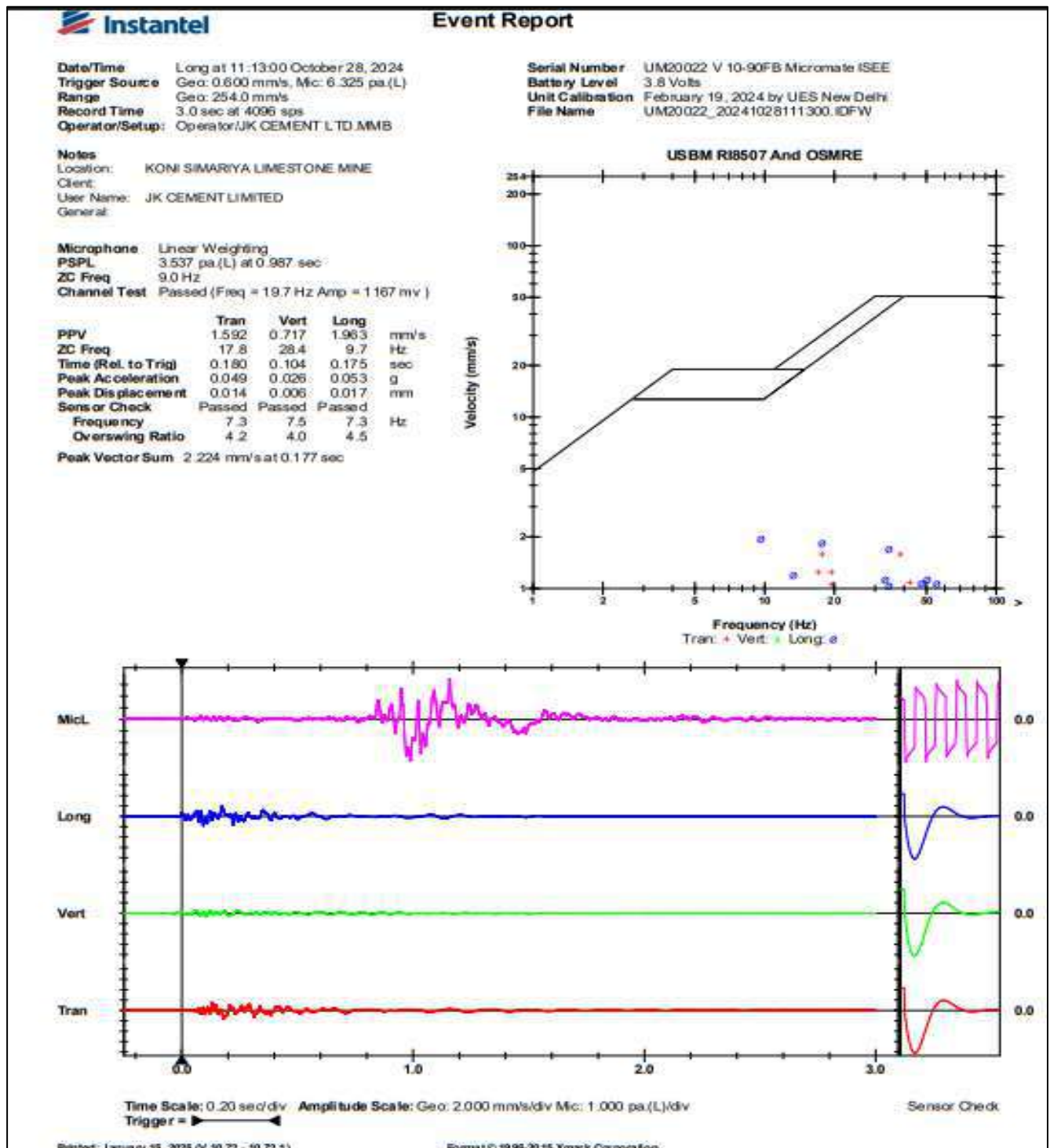
9 SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020
9929108691, 9810205356, 8005707098, 9549956601

0141-2954638
bd@vibranttechnolab.com
www.vibranttechnolab.com

Annexure-3

Ground Vibration Report

Koni-Simariya Lime Stone Mine Ground Vibration Report



Date/Time Long at 10:55:10 November 5, 2024
Trigger Source Geo: 0.600 mm/s, Mic: 6.325 pa.(L)
Range Geo: 254.0 mm/s
Record Time 3.0 sec at 4096 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 UM20022_20241105105510.IDFW

Notes

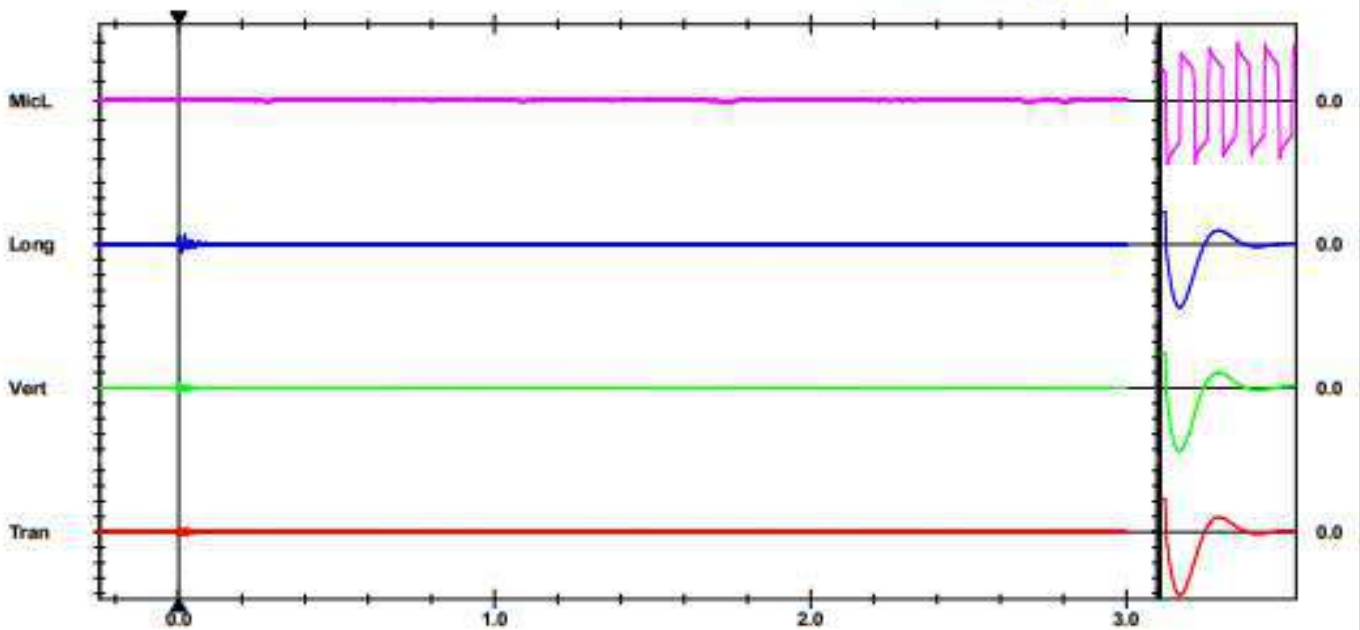
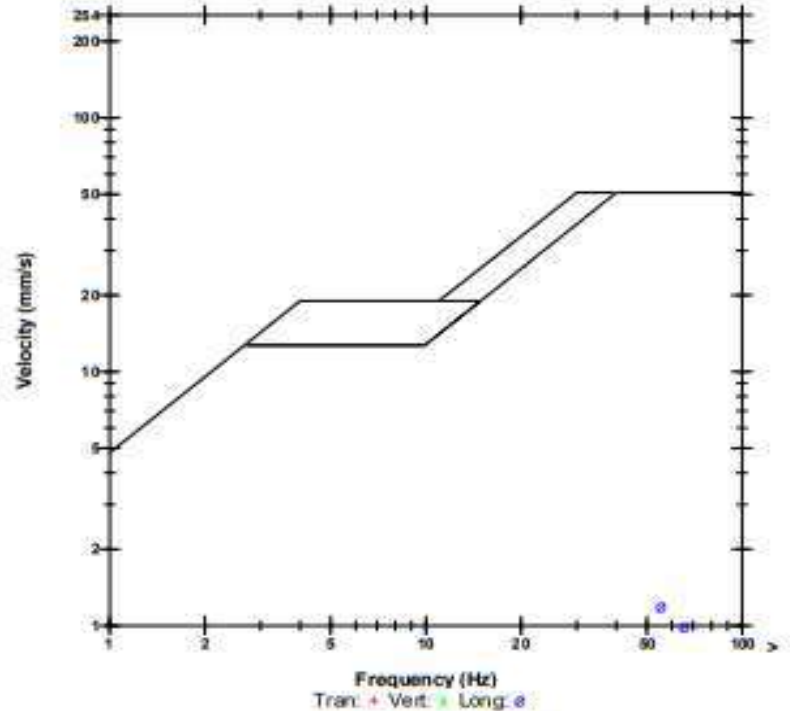
Location: KONI SIMARIYA LIMESTONE MINE
Client:
User Name: JK CEMENT LIMITED
General:

Microphone Linear Weighting
PSPL <0.500 pa.(L)
ZC Freq 7.1 Hz
Channel Test Passed (Freq = 19.7 Hz Amp = 1179 mv)

	Tran	Vert	Long	
PPV	0.465	0.631	1.198	mm/s
ZC Freq	71	186	55	Hz
Time (Rel. to Trig)	0.018	0.002	0.019	sec
Peak Acceleration	0.033	0.079	0.059	g
Peak Displacement	0.001	0.001	0.003	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.3	7.5	7.3	Hz
Overswing Ratio	4.3	4.1	4.6	

Peak Vector Sum 1.327 mm/s at 0.019 sec
N/A: Not Applicable

USBM R18507 And OSMRE



Time Scale: 0.20 sec/div **Amplitude Scale:** Geo: 2.000 mm/s/div Mic: 1.000 pa.(L)/div
Trigger = 

Sensor Check



Event Report

Date/Time Long at 13:45:21 January 8, 2025
Trigger Source Geo: 0.600 mm/s, Mic: 6.325 pa.(L)
Range Geo: 254.0 mm/s
Record Time 3.0 sec at 4096 sps
Operator/Setup: Operator/JK CEMENT LTD MMB

Serial Number UM20022 V 10-90FB Micromate ISEE
Battery Level 3.7 Volts
Unit Calibration February 19, 2024 by UES New Delhi
File Name UM20022_20250108134521.IDFW

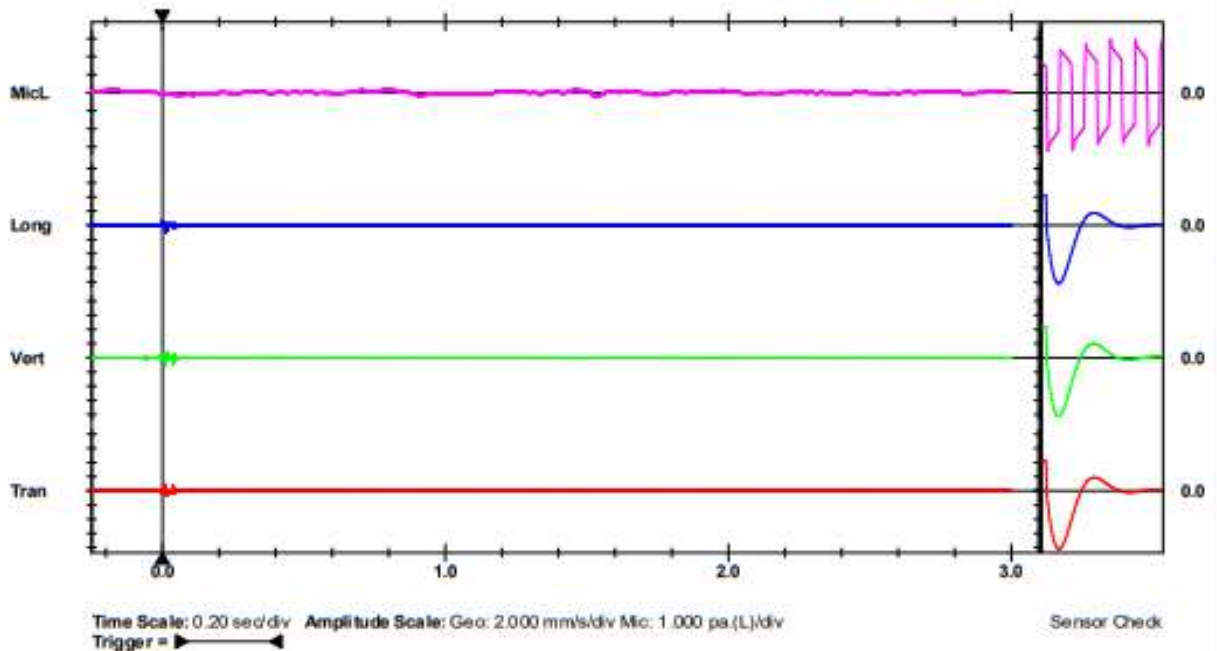
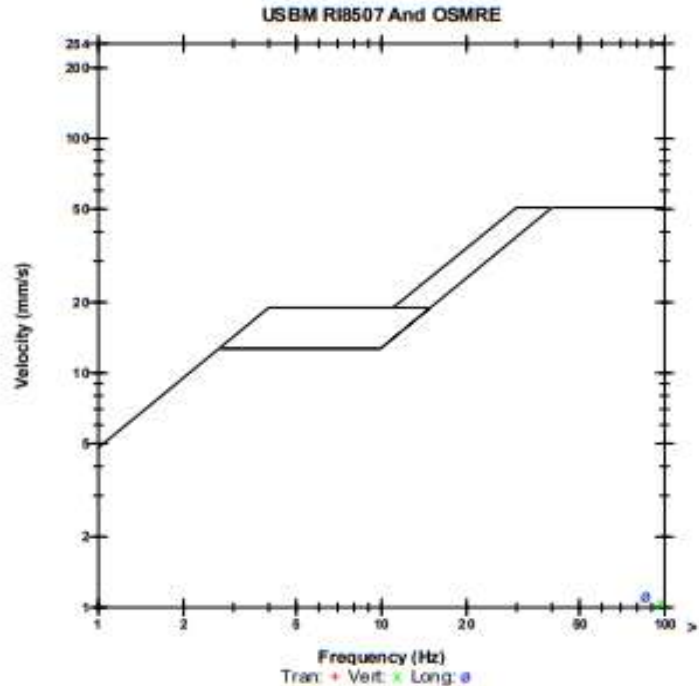
Notes

Location: KONI SIMARIYA LIMESTONE MINE
Client:
User Name: JK CEMENT LIMITED
General:

Microphone Linear Weighting
PSPL <0.500 pa.(L)
ZC Freq 10.7 Hz
Channel Test Passed (Freq = 19.7 Hz Amp = 1305 mv.)

	Tran	Vert	Long	
PPV	0.922	1.048	1.119	mm/s
ZC Freq	98	98	85	Hz
Time (Rel. to Trig)	0.010	0.011	0.011	sec
Peak Acceleration	0.059	0.072	0.059	g
Peak Displacement	0.001	0.002	0.002	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.3	7.5	7.3	Hz
Overswing Ratio	4.4	4.1	4.8	

Peak Vector Sum 1.728 mm/s at 0.011 sec
N/A: Not Applicable





Event Report

Date/Time: Train at 13:01:08 March 10, 2025
Trigger Source: Geo: 0.000 mm/s, Mic: 110.0 dB(L)
Range: Geo: 254.0 mm/s
Record Time: 3.0 sec at 4096 sps
Operation/Setup: Operator: JK CEMENT LTD.MMS

Serial Number: UM20022.V 10-80FB MicroMate ISSE
Battery Level: 3.0 Volts
Unit Calibration: February 22, 2025 by UES New Delhi
File Name: _TEMP.GVT

Notes

Location: HON SIMARIYA LIMESTONE VINE
Client:
User Name: JK CEMENT LIMITED
General:

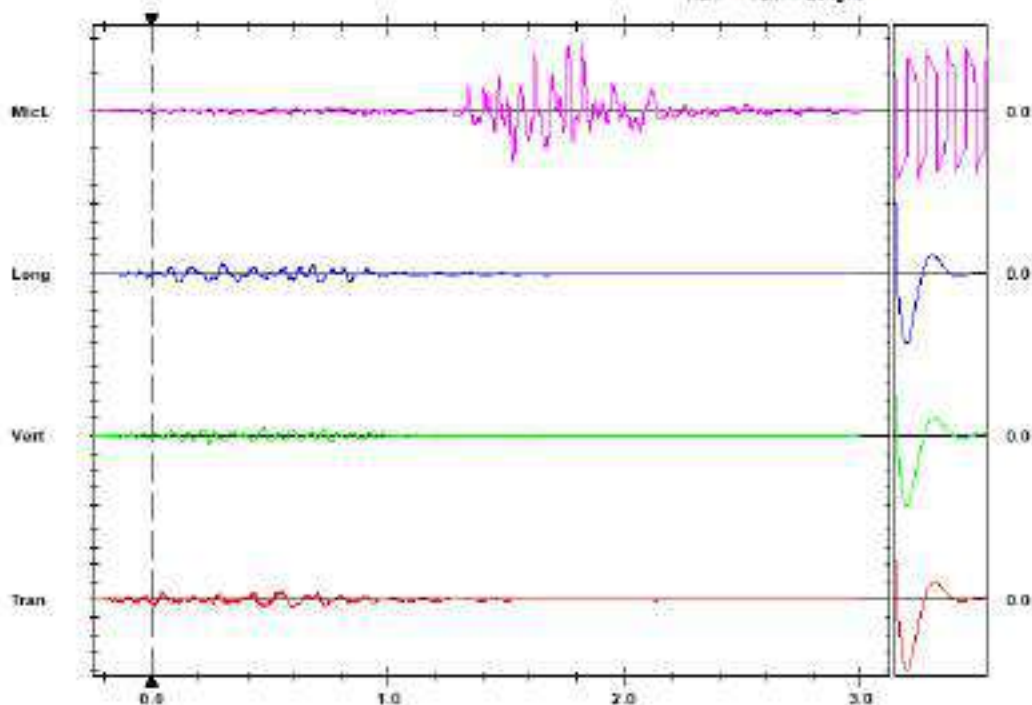
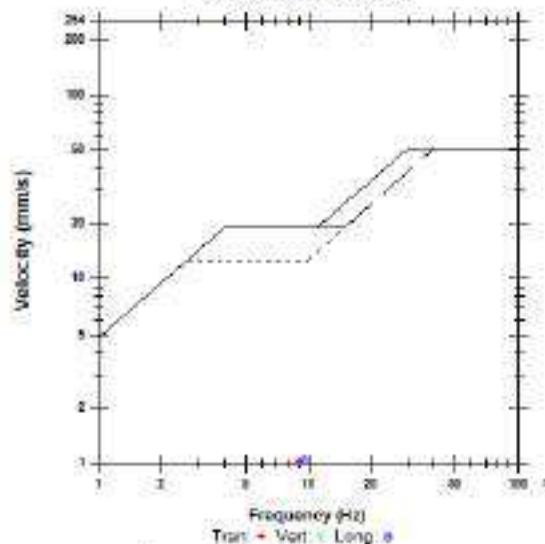
Microphone: Linear Weighting

PSPL: 113.5 dB(L) at 1.024 sec
2C Freq: 17.8 Hz
Channel Test: Passed (Freq = 19.7 Hz Amp = 1188 mv.)

	Train	Vert	Long	
PPV	1.017	0.885	1.050	mm/s
2C Freq	9.1	12.1	9.0	Hz
Time (Rel. to Trig)	0.048	0.475	0.285	sec
Peak Acceleration	0.030	0.022	0.022	g
Peak Displacement	0.016	0.011	0.015	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.3	7.5	7.7	Hz
Overswing Ratio	4.3	4.1	4.1	

Peak Vector Sum: 1.378 mm/s at 0.094 sec

USDM RM507 And OSMRE



Time Scale: 0.20 sec/div, Amplitude Scale: Geo: 2.000 mm/s/div Mic: 5.000 pa(L)/div

Sensor Check:

Annexure-4

WLCP Amount Deposit & Follow up letter

कार्यालय प्रधान मुख्य वन संरक्षक (वन्यप्राणी), मध्य प्रदेश

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

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

E-mail : pcyfwk@mp.gov.hk

क्रमांक / व.प्र. / मा.वि. / GEN.-274 / ५०८१
प्रति,

भोपाल, दिनांक 16.6.2021

General Manager (Environment-Project),
Jaykaycem (Central) Ltd., My Home Residency,
Opp. Essar Petrol Pump,
Karni Road, Anangaj- 488441 Panna, MP
(E-mail : amin@jkcemments.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; Silt: 2.94 Million TPA and OB: 1.03 Million TPA) with crusher capacity of 1800TPH, Mine located in village (s)-Koni, Bada, Gadha, Maharajganj, Ganihari, Vanhaki, Devri, Fagra & Khawa, Tehsil Simariya, District Panna in State of Madhya Pradesh.

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

— 40 —

उपरोक्त विषयांतर्गत संदर्भित पत्र से आपके द्वारा जिला पन्ना के सिमरिया तहसील कोनीमोरा, मुधा, महाराजगंज, गतिपारी, वनमाई, 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 फलोरा-फोना के संरक्षण हेतु एनके इन्वयरी सर्वेसेस प्रायवेट लिमिटेड, जयपुर से 10 वर्षों के लिए रुपये 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 उपरांत रुपये 180 लाख की संशोधित वन्यप्राणी योजना संदर्भित पत्र दिनांक 01.06.2021 से इस कार्यालय को प्रेषित की गई है। उक्त 10 वर्षों की रुपये 180 लाख की वन्यप्राणी संरक्षण योजना का अनुमोदन किया जाता है। उक्त वन्यप्राणी संरक्षण योजना में फलोरा-फोना के संरक्षण एवं संवर्धन के प्रस्तावित कार्य हेतु प्रायश्चित राशि का विवरण निम्नानुसार है :-

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

[illegible]



कार्यालय वनमण्डलाधिकारी दक्षिण वनमण्डल पन्ना (म.प्र.)

Office - 07732 - 252015 E-mail - dfo@panna.gov.in, dfo@panna.gov.in, dfo@panna.gov.in, dfo@panna.gov.in

क्रमांक/मा.वि./2023/3259
प्रति,

पन्ना दिनांक 28.06.2023

जनरल मैनेजर
(इन्वॉयरमेंट प्रोपेक्ट)
जै.के. सेम (सेन्ट्रल) लि.
कटनी रोड अम्बरगंज
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 Devari, Pagra and Khuwa, Tahsil Simariya, Distt. Panna in State Madhya Pradesh.

संदर्भ:-

प्रधान मुख्य वन संरक्षक (पन्ना) म.प्र. भोपाल का पत्र क्रमांक/व.प्र./मा.वि./सामान्य-274/4081 भोपाल दिनांक 16.06.2021

-00--

उपरोक्त विषय के अंतर्गत कृपया संदर्भित पत्र का अवलोकन करें। पन्ना जिले के सिमरिया तहसील कोनी, बोदा, गुढा महाराजगंज, गनियारी, वनभई, सिमरिया, देवरी पग्रा एवं खुवा ग्रामों की 3095.23 हेक्टेयर माईन्स क्षेत्र में कोनी सिमरिया लाईम स्टोन के उत्पादन क्षमता 9.05 मिलियन टी.पी.ए. क्षेत्र के साथ क्षमता 1800 टी.पी.ए. बड़ाने तथ्यदी भारत सरकार द्वारा जारी सामान्य शर्तों अनुसार माईन्स क्षेत्र एवं उनके चारों ओर क्षेत्र में पाये जाने वाले फ्लोरा-फाउना के संरक्षण हेतु क्षेत्र संघर्षक पन्ना टाईगर रिजर्व द्वारा वन्य प्राणी संरक्षण योजना 10 वर्ष की रु.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-फाउना के संरक्षण हेतु संदर्भित पत्र से चारों ओर क्षेत्र में प्रवर्धित राशि प्रथम वर्ष (2021-22) रु. 31.25 लाख, द्वितीय वर्ष (2022-23) रु. 14.75 लाख, एवं तृतीय वर्ष (2023-24) रु. 15.25 लाख प्रावधानित कार्य हेतु आपके द्वारा इस कार्यालय को उपलब्ध कराने हेतु आपसे निर्दिष्ट किया गया है। पत्र की धन्य 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. SBN0030436) के पत्र में उक्त राशि जमा करें, ताकि योजना अनुसार प्रवर्धित कार्य कराया जा सके।

संलग्न:- उपरोक्तानुसार

वन मण्डलाधिकारी
दक्षिण वनमण्डल पन्ना (म.प्र.)

क्रमांक/मा.वि./2023/3260

पन्ना दिनांक 28.06.23

प्रतिसिद्धि :-

- 1 प्रधान मुख्य संरक्षक (वन्यप्राणी) म.प्र. भोपाल को उनके पत्र क्र. /व.प्र./मा.वि./सामान्य-274/4081 दिनांक 15.6.2021 के संदर्भ में सूचनार्थ सम्प्रेषित।
- 2 क्षेत्र संचालक पन्ना टाईगर रिजर्व पन्ना को सूचनार्थ एवं आवश्यक कार्यवाही हेतु सम्प्रेषित।
- 3 मुख्य वनसंरक्षक छतरपुर वृत्त छतरपुर को सूचनार्थ एवं आवश्यक कार्यवाही हेतु सम्प्रेषित।

वन पर्यवेक्षणिकारी
वसिष्ठ वनमण्डल पन्ना (म.प्र.)



Jaykaycem (Central) Ltd.

(Wholly Owned Subsidiary of JK Cement Ltd.)

Village : Harduwan, 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 villages) Koni, Boda, Gudha, Maharajganj, Ganhyari, Vanbhai, Simariya, Devri, Pagra and Kuluwa, Tehsil Simariya, District Panna in State Madhya Pradesh

Ref.: 1- Letter no. Mas.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. Mas.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, T9 ODA Community Centre
Okhla, Phase - 1, New Delhi - 110020, India
- +011-49220000
- admin.padamtower@jkcement.com
- www.jkcement.com

**JK SUPER
CEMENT**
BUILD SAFE

JK CEMENT
WallMaxX
White Cement Wall Putty

Manufacturing Units at:

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Kanti (Odisha) | Aligarh (U.P.) | Botasindar (Gujarat)

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

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)
Jaykaycem (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 Commodity Centre
Okhla, Phase - I, New Delhi - 110026, India

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✉ admin.padamtower@jkcement.com

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State Bank Of India

(03447)-PANNA
POST BAG NO.3, PANNA,
CHHATRASAL COLLEGE ROAD, BENSAGAR, DIST PANNA, MADHYA PRADESH 486001
Tel : 91 7732252019 Fax : IFS Code : SBIN000447 SWIFT :

वैधता 3 महीने के लिए है। / VALID FOR 3 MONTHS ONLY.
31 07 2023
D D M M Y Y Y Y

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

रुपये RUPEES Fifteen lakh twenty five thousand only

अदा करें ₹ 15,25,000/-

खा. सं. 41674121525
A/c No.

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

52512147614

CURRENT A/C
PREFIX :
1515600001

JAY KAY CEM (CENTRAL) LTD.

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

977854 488002001 000426 29

भारतीय स्टेट बैंक
State Bank Of India

(03447)-PANNA
POST BAG NO.3, PANNA,
CHHATRASAL COLLEGE ROAD, BENSAGAR, DIST PANNA, MADHYA PRADESH 486001
Tel : 91 7732252019 Fax : IFS Code : SBIN000447 SWIFT :

वैधता 3 महीने के लिए है। / VALID FOR 3 MONTHS ONLY.
31 07 2023
D D M M Y Y Y Y

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

रुपये RUPEES Eleven lakh twenty five thousand only

अदा करें ₹ 11,25,000/-

खा. सं. 41674121525
A/c No.

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

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

977852 488002001 000426 29

भारतीय स्टेट बैंक
State Bank Of India

(03447)-PANNA
POST BAG NO.3, PANNA,
CHHATRASAL COLLEGE ROAD, BENSAGAR, DIST PANNA, MADHYA PRADESH 486001
Tel : 91 7732252019 Fax : IFS Code : SBIN000447 SWIFT :

वैधता 3 महीने के लिए है। / VALID FOR 3 MONTHS ONLY.
31 07 2023
D D M M Y Y Y Y

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

रुपये RUPEES Fourteen lakh seventy five thousand only

अदा करें ₹ 14,75,000/-

खा. सं. 41674121525
A/c No.

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

52512147614

CURRENT A/C
PREFIX :
1515600001

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

977853 488002001 000426 29



भारतीय स्टेट बैंक
State Bank Of India



CHENNAI NATURAL COLLEGE HOME, BENGALURU UNIT-PANNA
TM : 01 773252916 Fax : 03 Code : BENH000441 BHEFT

संपर्क : डॉ. विद्या मे. शर्मा, 1, Yashwantrao Chavan Marg, New Delhi

00MMYYYY

2mE13

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

कैसे व्यव उनके आदेश पर OR ORDER

रुपये RUPEES Twenty Lakh only

आवा करें

₹ 20,00,000

41674121526

www.pearsoned.ca 800.485.1111 Pearson Education Inc.

52512147614

CURRENT A/C

PREFIX :
1545600001

JAY KAY CEM (CENTRAL) LTD.

Figure 1

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

097785 14 48800 200 14 0004 26 29

कार्यालय वनमण्डलाधिकारी दक्षिण वनमण्डल पन्ना (म.प्र.)

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

क्रमांक/मा.वि./2024/ 3167

पन्ना दिनांक 8-7-24

प्रति,

सीनियर जनरल मैनेजर
जे.के. सीमेंट लिमि.
हरदुआ केन तहसील 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 J. k. cement 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 Devari, 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.वि./सामान्य-274/4081 भोपाल दिनांक 16.06.2021

--00--

उपरोक्त विषय के अंतर्गत कृपया संदर्भित पत्र का अवलोकन करें। 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. क्रेशर के साथ क्षमता 1800 टी.पी.ए. बढ़ाने सम्बंधी भारत सरकार द्वारा जारी सामान्य शर्तों अनुसार माईन्स क्षेत्र एवं उनके बफर क्षेत्र में पाये जाने वाले फ्लोरा-फोना के संरक्षण हेतु क्षेत्र संचालक पन्ना टाईगर रिजर्व द्वारा वन्य प्राणी संरक्षण योजना 10 वर्ष की रु.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) रु. 31.25 लाख, द्वितीय वर्ष (2022-23) रु. 14.75 लाख, एवं तृतीय वर्ष (2023-24) रु. 15.25 लाख जमा की गई है। शेष 07 वर्ष की राशि 118.75 लाख 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.वि./2024/

पन्ना दिनांक

प्रतिलिपि :-

- ✓ प्रधान मुख्य वन संरक्षक (वन्यप्राणी) म.प्र. भोपाल की ओर सूचनार्थ सम्प्रेषित।
- ✓ वन संरक्षक छतरपुर वृत्त छतरपुर को सूचनार्थ सम्प्रेषित।
- ✓ क्षेत्र संचालक पन्ना टाईगर रिजर्व पन्ना को सूचनार्थ एवं आवश्यक कार्यवाही हेतु सम्प्रेषित।

sel
वन मण्डलाधिकारी
क्षेत्रीय वनमण्डल पन्ना (म.प्र.)

Ref. PCP/EAO/MoEF/P04/2024-25/ F-04/L3

Date: 17/07/2024

To,
The District Forest Officer,
South Panna,
Panna-488001

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 M/s J K Cement Limited over an area of 3095.23 Ha. With production capacity of 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 villages)- Koni, Boda, Gudha, Maharajganj, Ganhyari, Vambhal Devari, Pagra and Kluwa, Tehsil Simariya, District Panna in State Madhya Pradesh.

Ref No: Letter no. Maa.chi./2024/3167 dated 08.07.2024.

Dear Sir,

We are writing to confirm that M/s J K Cement Limited has deposited the fund required for the Wildlife Conservation Plan as per your letter no. Maa.chi./2024/3167 dated 08.07.2024 by the Principle Chief Conservation of Forests, Wildlife, Madhya Pradesh Bhopal. The Total amount of Rs.118.75 Lakh for 07 years (i.e. from 2024-2031) has been deposited into account no. 63033636857 (IFSC Code: SBIN0030436) via. Cheque no. 060287 of Rs. 50.00 Lacs dated 11.07.2024, Cheque no. 060288 of Rs. 50.00 Lacs dated 11.07.2024 and Cheque no. 060289 of Rs. 18.75 Lacs dated 11.07.2024.

We humble request you to furnish the wild life conservation implementation status for submission to Ministry of Environment, Forest and climate change (MoEF&CC) as a compliance of EC condition.

Sincerely,


Kapil Agrawal
(Unit Head)

Enclosures: As above

CC to:

1. PCCF (Wildlife) and Chief Wildlife Warden, Pragati Bhavan, Bhopal Development Authority, Bhopal, M.P.
2. The Field Director, Panna Tigr Reserve, Panna-488001 (M.P.)
3. Chief Conservator of Forest, Chhattarpur-471001

Corporate Office

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Jharli (Haryana) | Kabe, Panna, Ujjain (M.P.) | Prayagraj, Aizawl,
Bamangur (J.P.) | Bhatnagar (Gujarat) | Pappinam

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

रुपये RUPEES Fifty lakh only

अवा करें ₹ 50,00,000/-

खा. सं. A/c No. 41674121525

VALID UP TO ₹ 50 LACS AT NON-HOME BRANCH FOR NON-CASH TRANSACTION ONLY
52512147614

CURRENT A/C

PREFIX:
1515600002

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

J.K. Cement Ltd
Please sign above

060287 488002001: 000426* 29

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

रुपये RUPEES Fifty lakh only

अवा करें ₹ 50,00,000/-

खा. सं. A/c No. 41674121525

VALID UP TO ₹ 50 LACS AT NON-HOME BRANCH FOR NON-CASH TRANSACTION ONLY
52512147614

CURRENT A/C

PREFIX:
1515600002

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

J.K. Cement Ltd
Please sign above

060288 488002001: 000426* 29

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

रुपये RUPEES Eighteen lakh seventy five thousand only

अवा करें ₹ 18,75,000/-

खा. सं. A/c No. 41674121525

VALID UP TO ₹ 50 LACS AT NON-HOME BRANCH FOR NON-CASH TRANSACTION ONLY
52512147614

CURRENT A/C

PREFIX:
1515600002

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

J.K. Cement Ltd
Please sign above

060289 488002001: 000426* 29

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 Kori Simariya Limestone Mine of M/s JK Cement Limited located in Village(s)- Kori, Boda, Gedha, Maharajganj, Ganjari, Vanhal, Devri, Pagra&Kluwa, Tehsil- Simariya, District-Panna, Madhya Pradesh, Implementation of Wildlife Conservation Plan and specific condition of Environment Clearance- reg.

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

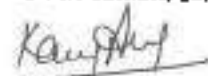
Dear Sir,

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.Chl/GEN.-274/4081 dated 16.06.2021 for Kori 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 1st 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, we 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, Ohtatapur-471001

Corporate Office

• Prism Tower, 5th Floor, Niranjan Estate,
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Ref: PCP/EMD/MoEF/F04/2024-25/ F 04/15

Date: 02/08/2025

To,
The District Forest Officer,
South Panna,
Panna-489001

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 M/s J K Cement Limited over an area of 3095.23 Ha. With production capacity of 9.05 MTPA of ROM (Limestone: 5.08 MTPA, Soil: 2.94 MTPA and QG: 1.03 MTPA) with crusher capacity of 1800 TPH, Mines located in villages) – Koni, Boda, Gudha, Maharaiganj, Ganiyari, Vambhal Devari, Pagra and Kuvra, Tehsil Simariya, District Panna in State Madhya Pradesh.

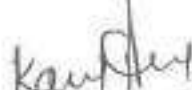
Ref No: Letter no. Mas.chi./2024/3167 dated 08.07.2024.

Dear Sir,

In continuation of our letter no. PCP/EMD/MoEF/F04/2024-25/ F 04/13 dated 17.07.2024, We would like to intimate you again that M/s J K Cement Limited has deposited the fund required for the Wildlife Conservation Plan as per your letter no. Mas.chi./2024/3167 dated 08.07.2024 by the Principle Chief Conservation of Forests, Wildlife, Madhya Pradesh Bhopal. The Total amount of Rs.118.75 Lacs for 07 years (i.e. from 2024-2031) has been deposited into account no. 63033636857 (IFSC Code: SBIN0030436) via. Cheque no. 060287 of Rs. 50.00 Lacs dated 11.07.2024, Cheque no. 060288 of Rs. 50.00 Lacs dated 11.07.2024 and Cheque no. 060289 of Rs. 18.75 Lacs dated 11.07.2024.

We humble request you to furnish the wild life conservation implementation status for submission to Ministry of Environment, Forest and climate change (MoEF&CC) as a compliance of EC condition.

Sincerely,


Kapil Agrawal
(Unit Head)

CC to:

1. PCCF (Wildlife) and Chief Wildlife Warden, Pragati Bhavan, Bhopal Development Authority, Bhopal, M.P.
2. The Field Director, Panna Tiger Reserve, Panna-489001 (M.P.)
3. Chief Conservator of Forest, Chhattarpur-471001

Corporate Office

◆ Padam Tower, 19 DDA Community Centre
Oldra, Phase - 1, New Delhi - 110020, India
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🌐 www.jkcement.com

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Jherli (Haryana) | Katni (M.P.) | Aligarh (U.P.) | Rajapur (Gujarat)

JK CEMENT
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Waste Cement Not Fussy



Annexure-5

Silicosis Test Report

डॉ. आभाष जैन

MBBS, DTCD (Mumbai), AFH

CHEST SPECIALIST

Consulting Physician - Occupational Health

पंजीयन नं. 9297

सिटी हॉस्पिटल

गाईलेन मरोठी गार्डन के पीछे, पार्श्व बार्ड नं. 1, दमोह (म.प्र.)

फोन नं. - 07812-221342, 9425405989

■ प्रेरणास्त्रोत - डॉ. अभय कुमार जैन (एम.डी.) ■

परामर्श समय : सुबह 11 बजे से शाम 8 बजे

हृदय रोग, श्वास रोग, शुगर, थायरॉइड, लकवा/मिर्गी, पेट/लिवर रोग, गठियावात, एलर्जी

नाम Durgesh Patel उम्र/लिंग 47/म पता Amargany दिनांक 30/7/24

★
इमरजेंसी सेवाएं

★
भर्ती की सुविधा

★
ऑपरेशन की सुविधा

★
2D ECHO
हृदय की सोनोग्राफी

★
TMT
स्ट्रेस टेस्ट

★
ई.सी.जी.
★
पी.एफ.टी.
(फेफड़ों की जाँच)

★
पेथोलॉजी

★
गेडीकल स्टोर

Rx

TO WHOMSOEVER IT MAY CONCERN:

I have examined Mr. Durgesh Patel
for carefully.

His PFT/Spironometry is suggestive of normal study.

His H&T chest is suggestive of normal study.

R/S = B/L clear NO added sounds

R/R = 16/min No clubbing $SpO_2 = 98\%$ at RA

PEFR = 300 L/min

There is no evidence for any occupational
lung disease

Again 30/7/24
DR. ABHASH JAIN
MBBS, DTCD, AFH (9297)
CHEST SPECIALIST
CITY HOSPITAL, DAMOH (M.P.)

पुनः जाँच के लिए आये दिनांक

रविवार शाम अवकाश

दवाइय चिकित्सक को दिखाकर ही प्रयोग करें।

CITY HOSPITAL

GUARDLANE MW1 DAMOH MP

Patient: DURGESH PATEL

Refd. By:

Prod Eqs: RECORDERS

Date 30/03/2024 07:31 PM

Age : 40 Years

Height : 165 Cms

Weight : 66 Kgs

ID: 44525626

Gender : Male

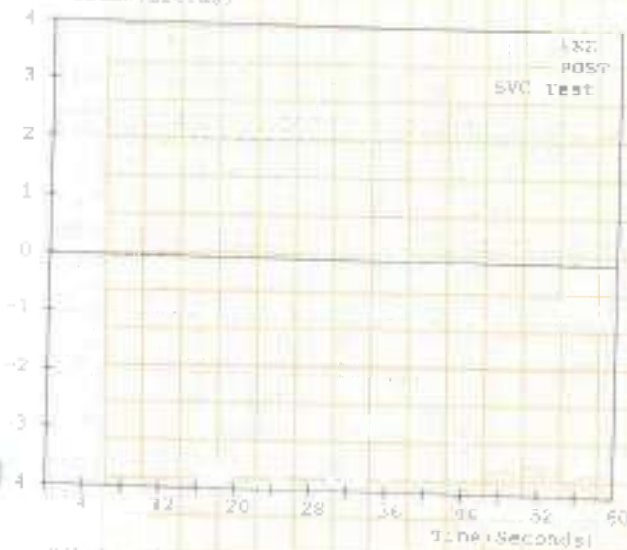
Smoker : No

Eth Corr: 100

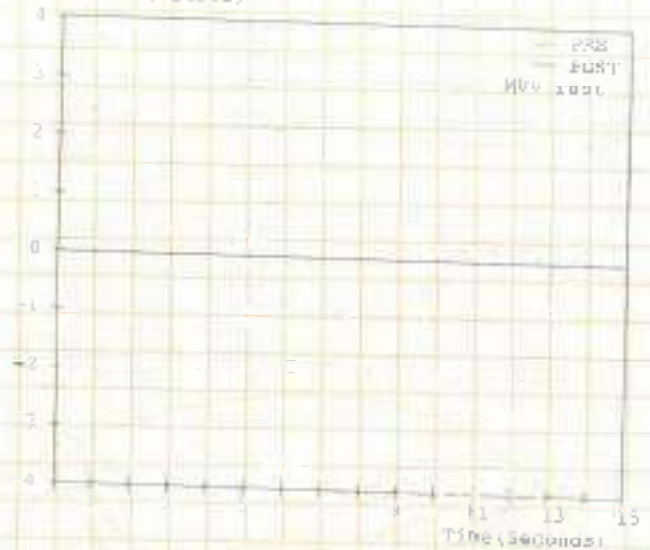
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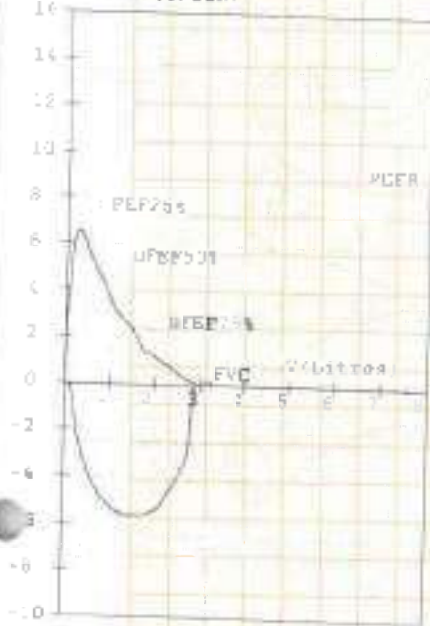
Volume (Litres)



Volume (Litres)



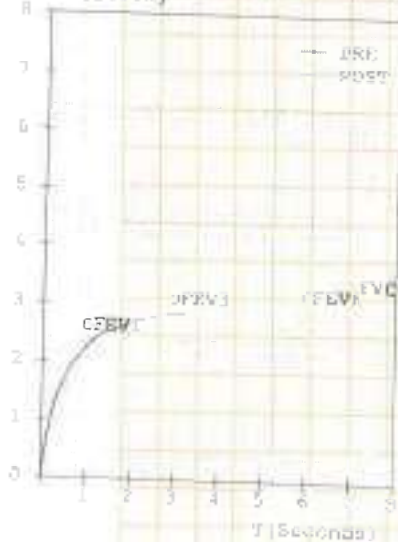
V (Litres/Sec)



SP Spirometry Results

Parameter	PRAD	M.PRE	APRED	M. POST	APRED	Slip
FVC	(L)	03.20	02.89	1.90	---	---
FEV1	(L)	02.63	02.21	0.66	---	---
FEV1/FVC	(%)	82.19	76.25	0.96	---	---
FEF25-75	(L/Sec)	02.64	01.92	0.69	---	---
PEFR	(L/Sec)	06.00	06.03	0.74	---	---
P1VC	(L)	---	02.80	---	---	---
MEV1.5	(L)	---	01.73	---	---	---
FEV3	(L)	03.10	02.06	0.92	---	---
PIFR	(L/Sec)	---	06.03	---	---	---
FEF15-85	(L/Sec)	---	00.62	---	---	---
FEF2-1.2	(L/Sec)	16.69	04.16	0.69	---	---
FEF25	(L/Sec)	07.73	01.62	0.60	---	---
FEF75	(L/Sec)	05.49	02.39	0.43	---	---
FEF752	(L/Sec)	02.65	00.95	0.36	---	---
FEV3/FEV1	(%)	---	75.80	---	---	---
FEV3/PVC	(%)	96.09	69.96	1.02	---	---
EF1	(Sec)	---	13.29	---	---	---
Expiration	(Sec)	---	06.25	---	---	---
Long Age	(Yrs)	040	040	115	---	---
Pavg	(L)	03.20	---	---	---	---
PIP 2%	(L/Sec)	---	06.16	---	---	---
PIP 50%	(L/Sec)	---	04.58	---	---	---
PIP 75%	(L/Sec)	---	04.07	---	---	---
SVC	(L)	---	---	---	---	---
SRV	(L)	01.32	---	---	---	---
TRV	(L)	---	---	---	---	---
VE	(L/min)	---	---	---	---	---
VE	(L/min)	---	---	---	---	---
Ti	(Sec)	---	---	---	---	---
Ta	(Sec)	---	---	---	---	---
VT	(L)	---	---	---	---	---
OT/Ti	(L)	---	---	---	---	---
Ti/Ttot	(L)	---	---	---	---	---
TC	(L)	---	---	---	---	---
MVV	(L/min)	127	---	---	---	---
MRI	(L/min)	---	---	---	---	---
MVI	(L)	---	---	---	---	---

V (Litres)



Pre Medication Report Indicates

Early Small Airway Obstruction as FEF 25-75 %Pred or PEF25 %Pred < 70%
spirometry within normal limits as (FEV1/FVC) %Pred > 95 and FVC %Pred > 80.

Doctor's Notes

NORMAL SPIROMETRY

Again

DR. ABHASH JAIN
MBBS, DCCD, AFM (1997)
DR. CHEST SPECIALIST
CITY HOSPITAL, DAMOH M.P.



CARE

HI-TECH

C.T. SCAN CENTRE

Beside Corporation Bank, Balakot Road
Kilal Naka, DAMOH (M.P.)
Ph. : 07812 - 225500, 7987896771

PATIENT NAME : DURGESH PATEL

PATIENT ID : 7619

SEX / AGE : 40Y/M

DATE/TIME : 30/07/2024

MODALITY : CT

REF. PHYS. : DR. ABHASH JAIN

HRCT CHEST

Both the lungs are normally aerated and are applied to the chest wall on all sides. There are no focal intrapulmonary nodules, patchy opacities, calcification or cavitation.

The minor and major fissures are well delineated with no evidence of fissural displacement.

The distribution of the bronchial and vascular structures within the lungs is normal.

The mediastinum is centered and of normal width. There is no evidence of masses in the anterior, central or posterior compartments.

Mediastinal contents including the trachea and its bifurcation, thoracic aorta, the main pulmonary artery and its branches appear normal.

The hilar region on each side is unremarkable.

The heart is orthotopic with normal configuration. The cardiac chambers are of normal size.

No significant pericardial thickening / fluid collection seen.

No significant lymph node enlargement identified.

No significant pleural thickening / fluid collection seen.

The axillary and supraclavicular regions are normal.

The imaged portions of the supra-aortic vessels are unremarkable.

No abnormal wall thickening / dilatation of the thoracic esophagus is seen.

The bones of the thoracic cage and the vertebrae do not reveal significant abnormality.

Superficial soft tissues of the chest wall appear normal.

Agan
Dr. ABHASH JAIN
MBBS, DFC, AFM (2007)
CHES SPECIALIST
CTV HOSPITAL, DAMOH (M.P.)

NOT FOR MEDICO LEGAL PURPOSE

Radiology Radiological investigation have their own limitations and they usually does not confirm the final diagnosis. This opinion is to be correlated with the clinical profile and other relevant investigations. In case of discrepancies a review should be solicited.



CARE

HI-TECH

D.T. SCAN CENTRE

Beside Corporation Bank, Balakot Road

Kilai Naka, DAMOH (M.P.)

Ph. : 07812 - 225500, 7987896777

PATIENT NAME : DURGESH PATEL

PATIENT ID : 7619

SEX / AGE : 40Y/M

DATE/TIME : 30/07/2024

MODALITY : CT

REF. PHYS. : DR. ABHASH JAIN

Upper part of the liver, spleen and adrenals included in the study show no obvious abnormality.

IMPRESSION:

- No significant lung or mediastinal abnormality.

Dr. Mahesh Gosavi

MD (RD)

Consultant Radiologist

Reg.No : MMC 2007051664

Agan
Dr. ABHASH JAIN
MBBS, DTCD, AFM (8297)
CHEST SPECIALIST
CITY HOSPITAL, DAMOH (M.P.)

NOT FOR MEDICO LEGAL PURPOSE

Solitary Radiological investigation have their own limitations and they usually does not confirm the final diagnosis. This opinion is to be correlated with the clinical profile and other relevant investigations. In case of discrepancies a review should be solicited.

डॉ. आभाष जैन

MBBS, DTCD (Mumbai), AFH

CHEST SPECIALIST

Consulting Physician - Occupational Health

पंजीयन नं. : 9297

सिटी हॉस्पिटल

गार्डलेन, मराठी गार्डन के पीछे, मार्गज वाई नं. 1, दमोह (म.प्र.)

फोन नं. - 07812-221342, 9426405989

■ प्रेरणास्त्रोत - डॉ. अभय कुमार जैन (एम डी) ■

परामर्श समय : सुबह 11 बजे से शाम 8 बजे

हृदय रोग, श्वास रोग, शुगर, थायरॉइड, लकवा/मिर्गी, पेट/लिवर रोग, गठियावात, एलर्जी

नाम : Pushpendra Kumar उम्र/लिंग 39/m पता : Amnargy दिनांक 30/7/24

★

इमरजेंसी सेवायें

★

भर्ती की सुविधा

★

ऑपरेशन की सुविधा

★

2D ECHO

हृदय की सोनोग्राफी

★

TMT

स्ट्रेस टेस्ट

★

ई.सी.जी.

★

पी एफ टी.

(फेफड़ों की जाँच)

★

पेथोलॉजी

★

मेडीकल स्टोर

Rx

TO WHOMEVER IT MAY CONCERN

I have done examination of Mr. ~~Kumar~~.

Pushpendra Kumar Shukla 39/m Carefully
his PFT/spirometry is suggestive of normal
study. His HRCT chest is suggestive of
normal study.

R/S = B/L clear. No added sounds.

R/R = 16/min No clubbing SpO₂ = 98% at RA

PEFR = 300 l/min

There is no evidence of any occupational
lung disease

Again

30/7/24

DR. ABHASH JAIN
MBBS, DTCD, AFH (9297)
CHEST SPECIALIST
CITY HOSPITAL, DAMOH (M.P.)

पुनः जाँच के लिए आये दिनांक

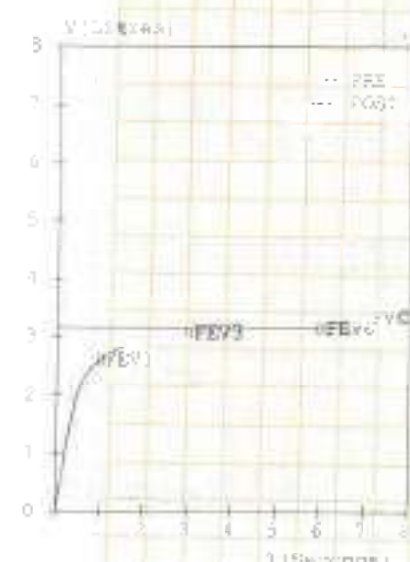
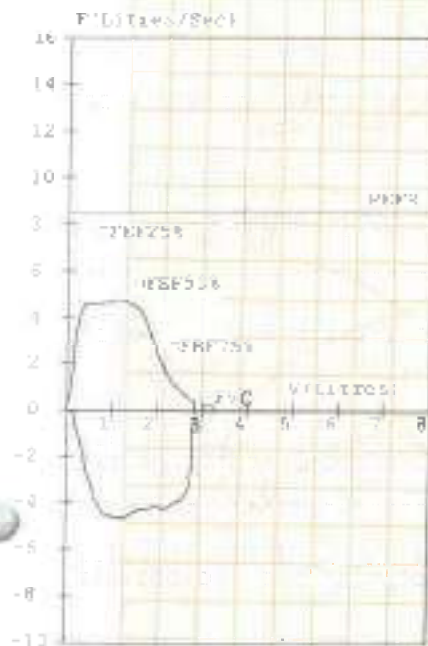
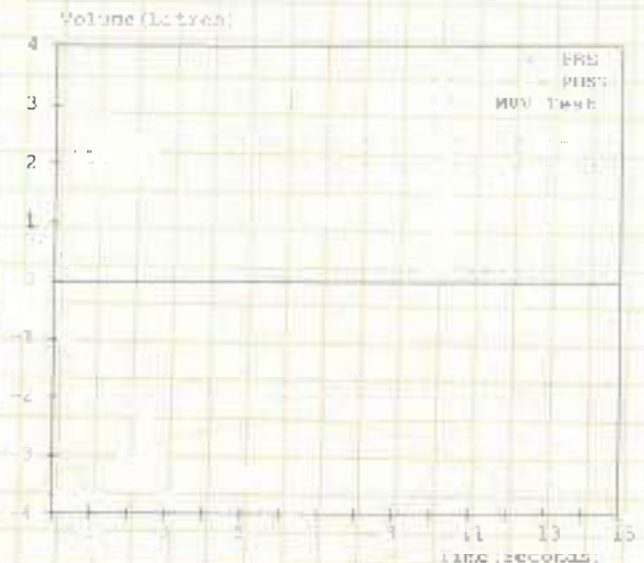
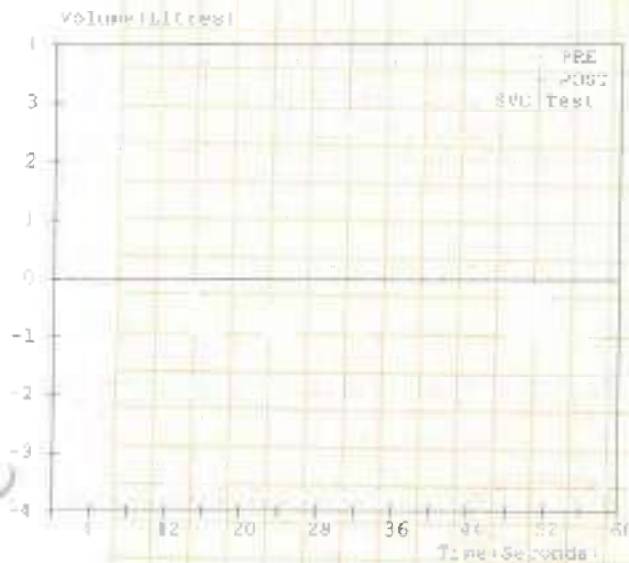
रविवार शाम अवकाश

दवाई चिकित्सक को दिखाकर ही प्रयोग करें।

CITY HOSPITAL

GUARDLANE MW1 DAMOH MP

Patient: PUSHPENDRA KUMAR SHUKLA Age: 39 Years Gender: Male
 Refd. By: Height: 164 Cms Smoker: No
 Pred. Eqs: RECORDERS Weight: 54 Kgs Ech. Corr: 100
 Date: 30/07/2024 07:28 PM ID: 425267 Temp:



Spirometry Results						
Parameter	Prad	% Pred	% Pred	M. Post	Preced	Time
VC	(L) 03.14	02.85	39			
FEV1	(L) 1.2.81	02.85	100			
FEV1/FVC	(%) 02.59	91.56	110			
FEF25-75	(L/s) 03.83	04.32	096			
PEFR	(L/s) 08.16	04.32	056			
FIVC	(L) -----	32.26				
FEV0.5	(L) -----	02.57				
FEV3	(L) 03.07	02.86	095			
PIFR	(L/s) -----	04.63				
MMF25-05	(L/s) -----	01.26				
FEF 2-1.2 (L/s)	06.58	04.43	080			
FEF 25% (L/s)	07.68	04.50	050			
FEF 50% (L/s)	15.48	04.50	080			
FEF 75% (L/s)	02.60	01.01	009			
FEV0.5/FVC	(%) -----	72.38				
FEV3/FVC	(%) 07.15	100.00	109			
FEI	(Sec) -----	01.69				
Exp Time	(Sec) -----	00.11				
Body Age	(Yrs) 039	038	100			
FEV4	(L) 13.16					
PIF 25%	(L/s) -----	04.12				
PIF 50%	(L/s) -----	04.98				
PIF 75%	(L/s) -----	04.50				
SVC	(L) -----					
SRV	(L) 01.32					
IRV	(L) -----					
VC	(L/min) -----					
Rf	(L/min) -----					
Tf	(L/min) -----					
Tf	(L/min) -----					
IRV	(L) -----					
IRV/Tf	-----					
IRV/Tf	-----					
IRV	(L) -----					
MVV	(L/min) 127					
MRE	(L/min) -----					
MVT	(L) -----					

Pre Medication Report Indicates

Early Small Airway Obstruction as FEF 25-75 %Pred or PEFR %Pred < 70
 Spirometry within normal limits as (FEV1/FVC) %Pred > 95 and FVC %Pred > 80

Doctor's Notes

NORMAL SPIROMETRY

Signature

DR ABHASH JAIN
 MBBS, DICO, AFM (1997)
 CHEST SPECIALIST
 CITY HOSPITAL DAMOH (M.P.)



CARE

HI-TECH

G.T. SCAN CENTRE

Beside Corporation Bank, Balakot Road
Kala Naka, DAMOH (M.P.)
Ph. : 07812 - 225500, 7987896771

PATIENT NAME	PUSHPENDRA KUMAR SHUKLA	PATIENT ID	: 7621
SEX / AGE	: 39Y/M	DATE/TIME	: 30/07/2024
MODALITY	: CT	REF PHYS	: DR.ABHASH IAIN

HRCT CHEST

The lung parenchyma shows normal attenuating values. No focal nodule is seen on lung parenchymal window settings.

No lymphadenopathy / effusion is seen.

Mediastinal structures are normal.

Cardiac chambers & great vessels of mediastinum are normal.

Chest wall & visualized portion of the bony cage appears normal.

IMPRESSION:

No significant abnormality is detected.

Agan
Dr. ABHASH IAIN
MBBS, DTCD, AFM (8297)
CHEST SPECIALIST
CITY HOSPITAL, DAMOH (M.P.)

Tejal Patel

DR. TEJAL PATEL
MBBS, DMRE
Consultant Radiologist
Reg. No. 2021031478

NOT FOR MEDICO LEGAL PURPOSE

Solitary Radiological investigation have their own limitations and they usually does not admit the mal diagnosis. The findings to be correlated with the clinical profile and other relevant investigations. In case of discrepancies a review should be solicited.



Again
Dr. ABHASH JAIN
MBBS, DCCD, AFM (9297)
CHEST SPECIALIST
CITY HOSPITAL, DAMOH (M.P.)

डॉ. आभाष जैन

MBS, DTCD (Mumbai), AFIM

CHEST SPECIALIST

Consulting Physician - Occupational Health

पंजीयन नं. 9297

सिटी हॉस्पिटल

गाईलैन, वसोडी गार्डन के पीछे, मागज वाड नं. 1 दमोह (म.प्र.)

फोन नं. - 07812-221342, 9425405989

■ प्रेरणास्त्रोत - डॉ. अभय कुमार जैन (एम.डी.) ■

परामर्श समय : सुबह 11 बजे से शाम 8 बजे

हृदय रोग, श्वास रोग, शुगर, थायरॉइड, लकवा/मिर्गी, पेट/लिवर रोग, नशियावान, एलर्जी

नाम : Rajnarash Chaudhary उम्र/लिंग 35/m पता Satna दिनांक 31/07/24

★

हमरजैरी सेवाएं

★

भर्ती की सुविधा

★

ऑपरेशन की सुविधा

★

2D ECHO

हृदय की सोनोग्राफी

★

TMT

स्टेस टेस्ट

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ई सी जी

★

पी.एफ.टी

(फेफड़ों की जांच)

★

पेथोलॉजी

★

मेडीकल स्टोर

Rx

TO WHOMSOEVER IT MAY CONCERN

I have examined Mr. Rajnarash Chaudhary
35/m carefully.

THIS PFT / Spirometry is S/O Normal Study.

THIS HART Check is S/O Normal Study

R/S - B/L clear SpO₂ = 98% at RA

R/R - 16/min

PEFR = 300 /min Clubbing Absent

There is no Evidence S/O Occupational
Lung Disease.

Apam

DR. ABHASH JAIN
MBS, DTCD, AFIM (9297)
CHEST SPECIALIST
CITY HOSPITAL, DAMOH (M.P.)

धुन: जांच के लिए आएं दिनांक :

रविवार शाम अवकाश

दवाई चिकित्सक को दिखाकर ही प्रयोग करें।

Annexure-6

Advertisement Copy

Annexure-7

Ground Water Table Report

Sample Number: VTL/ WL/01-108
Name & Address of the Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj PIN-488441 Dist-Panna
Ground Water Level

Report No.: VTL/W/2411170001-108
Format No.: 7.8 F-01
Party Reference No.: NIL
Report Date: 25/11/2024
Period of Analysis: 17 to 25/11/2024
Receipt Date: 17/11/2024
Sampling Date: 11-16/11/2024

Sample Description:
Sample Collected by: Vibrant Techno Lab Representative

SLN	Location	Person Name	Location(ddmm'ss")		Water Level (Below Ground Level)- Meter
			Latitude (N)	Longitude (E)	
1	Puraina Village Borewell	Vishwa Nath Sahu	24° 18' 51"	79° 58' 33"	3.82
2	Tighara Village Borewell	Swami Prasad tripathi	24°17'31"	79°57'41"	8.7
3	Tighara Village Borewell	Hanuman Temple	24°17'43"	79°57'19"	2.2
4	Sanaura Village Dugwell	Madan	24°22'40"	80°0'39"	18.23
5	Sanaura Village Borewell	Temple	24°25'6"	79°25'6"	10.7
6	Sanaura Village Dugwell	Temple	24°25'5"	79°58'20"	3.25
7	Kamtana Village Dugwell	Khet	24°22'49"	79°57'30"	1.7
8	Kamtana Village Dugwell	Govt.	24° 22' 51"	79° 57' 31"	1.2
9	Kamtana Village Dugwell	Govt.	24°22'55"	79°57'21"	5.7
10	Kamtana Village Borewell	Govt. Near Road	24°21'1"	79°57'20"	5.25
11	Kamtana Village Borewell	Siam Patel	24° 22' 55"	79° 57' 21"	4.5
12	Kamtana Village Borewell	Near Road	24°21'44"	79°57'46"	4.2
13	Sunwani Kalan Borewell	Kanchhedi Lal Pathak	24°21'31"	79°53'19"	5.42
14	Sunwani Khurd Borewell	Near Temple	24°21'43"	79°55'12"	12.4
15	Karia Dugwell	Govt.	24° 15' 56"	79° 58' 47"	3
16	Banbhai Borewell	Ramkesh sain	24°19'43"	79°54'1"	9.4
17	Banbhai Borewell	Near Road	24°19'44"	79°54'1"	9
18	Surajpura Borewell	Kanchhedilal	24°21'32"	79°53'18"	15.2
19	Sunwani Kalan Borewell	Kanchhedi Lal Pathak	24°21'31"	79°53'19"	8.67
20	Umri Village Dugwell	Near Road	24°16'1"	79°55'7"	2.39
21	Umri Village Dugwell	Near Road	24°15'57"	79°56'5"	1.9
22	Umri Village Dugwell	Near Road	24°15'59"	79°55'48"	3.1
23	Mahod Kalan Village Dugwell	Phoola bai	24° 18' 18"	80° 2' 24"	9.3
24	Mahod Kalan Village	Suresh	24°18'11"	80°2'45"	8.45

Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Approved & Certified EPA 1986 Recognised, ISO:9001 & OHSAS:45001 Certified

Vibrant Techno Lab Pvt. Ltd.

9 SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020
9929108691, 9810205356, 8005707098, 9549956601

0141-2954638
bd@vibranttechnolab.com
www.vibranttechnolab.com

	Borewell				
25	Bhupat Pura Borewell	Govt.	24° 25' 33"	80° 1' 8"	8.27
26	Simariya Village Borewell	Near Road	24° 15' 60"	79° 54' 5"	7.69
27	Boda Village Dugwell	Near Road	24° 18' 41"	79° 56' 46"	0.49
28	Boda Village Borewell	Near Road	24° 18' 17"	79° 56' 46"	1.19
29	Boda Village Dugwell	Near Road	24° 18' 3"	79° 56' 43"	4.79
30	Guda Village Borewell	Changa Choudhary	24° 17' 35"	79° 56' 49"	11.2
31	Guda Village Borewell	Near Road	24° 17' 46"	79° 57' 22"	2.4
32	Koni Village Borewell	Near Road	24° 20' 20"	79° 54' 36"	9.67
33	Koni village Borewell	Govt.	24° 20' 21"	79° 54' 36"	10.6
34	Bamhori Village Borewell	Ramlal	24° 20' 11"	80° 2' 7"	10
35	Bamhori Village Dugwell	Govt. School	24° 20' 11"	80° 2' 7"	10.8
36	Bamhori Village borewell	RajKumar	24° 20' 12"	80° 2' 17"	10
37	Bamhori Village dugewell	RajKumar	24° 20' 12"	80° 2' 17"	2.23
38	Jharkuwa Village Borewell	Govt.	24° 21' 27"	80° 3' 53"	10.5
39	Jharkuwa Village Borewell	Govt.	24° 21' 27"	80° 3' 54"	6.1
40	Jharkuwa Village Borewell	Near Road	24° 23' 0"	80° 2' 37"	6.91
41	Jharkuwa Village Dugwell	Kanhaiya	24° 21' 16"	80° 2' 42"	7.3
42	Jharkuwa Village Borewell	Kanhaiya	24° 21' 17"	80° 2' 43"	14.5
43	Itauri Village Borewell	Thakur Das Pandey	24° 22' 41"	80° 2' 17"	9.2
44	Itauri Village Borewell	Salikram Pandey	24° 22' 32"	80° 2' 32"	8.7
45	Itauri Village Borewell	Govt. School	24° 22' 53"	80° 2' 15"	12.7
46	Itauri Village Dug well	Habib Khan	24° 22' 29"	80° 2' 25"	9.7
47	Itauri Village Borewell	Near Road	24° 22' 29"	80° 2' 25"	9.7
48	Amanganj Borewell	Lakshmi Narayan Dubey	24° 25' 28"	80° 2' 7"	13.9
49	Amanganj Borewell	Virendra Singh	24° 25' 28"	80° 2' 7"	14.18
50	Amanganj Borewell	Govt.	24° 25' 26"	80° 2' 8"	15.2
51	Hinauti Borewell	Near Hotel	24° 25' 33"	80° 1' 9"	13.8
52	Hinauti Borewell	Near Road	24° 25' 29"	80° 1' 9"	12.1
53	Madalyan Borewell	Saheb Singh	24° 22' 43"	79° 59' 9"	8.6
54	Madalyan Brewell	Khet	24° 22' 43"	79° 59' 2"	9.34
55	Deora Village Dugwell	Samudayik Bhawan	24° 20' 19"	79° 58' 19"	2.19
56	Deora Village Borewell	Near Road	24° 20' 21"	79° 58' 16"	2.33
57	Deora Village Borewell	Govt. Near Road	24° 19' 21"	79° 58' 26"	7.1
58	Deora Village Dugwell	Near Road	24° 19' 00"	79° 58' 57"	3.37

Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Approved & Certified EPA-1986 Recognised, ISO:9001 and OHSAS:45001 Certified

Vibrant Techno Lab Pvt. Ltd.

SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020

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59	Deora Village Dugwell	Ramprasad yadav	24° 19' 20"	79° 58' 44"	6.22
60	Deora Village Borewell	Near Road	24° 19' 20"	79° 58' 29"	2.1
61	Deora Village Borewell	Near Road	24° 20' 19"	79° 58' 29"	8.11
62	Deora Village Borewell	Brindavan Tiwari	24° 20' 41"	79° 58' 19"	2.31
63	Deora Village Borewell	Near Road	24° 20' 23"	79° 58' 21"	4.51
64	Deora Village Borewell	Kishun	24° 20' 41"	79° 58' 18"	10.24
65	Deora Village Borewell	Ramcharan	24° 20' 41"	79° 58' 17"	6.38
66	Deora Village Borewell	Balram Tiwari	24° 20' 44"	79° 58' 18"	6.69
67	Deora Village Borewell	Near Shiv Temple	24° 20' 48"	24° 58' 21"	2.56
68	Deora Village Borewell	Govt. Near Hanuman Temple	24° 20' 18"	79° 58' 18"	2.19
69	Deora Village Borewell	Arvind Singh	24° 19' 55"	79° 58' 58"	8.3
70	Deora Village Borewell	Near Panchayat	24° 21' 10"	79° 59' 54"	3.48
71	Purwa Village Borewell	Near Road	24° 20' 53"	79° 59' 49"	10.4
72	Purwa Village Borewell	Near Road	24° 20' 47"	79° 59' 42"	3.19
73	Kakra Village Borewell	Ruplal Mandir	24° 21' 24"	79° 57' 1"	7
74	Kakra Village Borewell	Temple	24° 21' 24"	79° 57' 1"	4.7
75	Kakra Village Borewell	Ram ji Tiwari	24° 21' 24"	79° 57' 2"	3.58
76	Kakra Village Borewell	Premdas Kuswaha	24° 21' 22"	79° 57' 4"	8.2
77	Kakra Village Dugwell	Shiv Kishor Tiwari	24° 21' 22"	79° 57' 1"	11.4
78	Kakra Village Borewell	Neeraj Lodhi	24° 21' 20"	79° 57' 3"	9.8
79	Kakra Village Borewell	Digvijay Singh	24° 21' 17"	79° 57' 5"	8.6
80	Kakra Village Borewell	Shreekanth Sain	24° 21' 16"	79° 57' 4"	10.7
81	Kakra Village Borewell	Shambu Lal Tiwari	24° 21' 18"	79° 56' 59"	7.46
82	Kakra Village Borewell	Dev Prabhakar	24° 21' 20"	79° 56' 59"	10.8
83	Kakra Village Dugwell	Ramgulam Tiwari	24° 21' 21"	79° 56' 59"	6.76
84	Bilha Village borewell	Near Hotel	24° 22' 42"	80° 0' 37"	10
85	Ramanpura Village Dugwell	Near temple	24° 23' 22"	79° 59' 55"	9.12
86	Dharampura Village Dug well	Khet	24° 23' 12"	79° 59' 7"	5.18
87	Ramanpura Village Borewell	Near road	24° 22' 57"	79° 59' 4"	7.8
88	Ramanpura Village Dugwell	Near Temple	24° 22' 52"	79° 59' 2"	4.6
89	Judi Village Borewell	Munni Lal	24° 21' 28"	79° 59' 23"	3.27
90	Judi Village Dug well	Pankhi bai	24° 21' 29"	79° 59' 22"	23.4
91	Judi Village Borewell	Harilal Kushwaha	24° 21' 27"	79° 59' 25"	2.1
92	Judi Village Borewell	Near Road	24° 21' 28"	79° 59' 24"	2.54
93	Judi Village Borewell	Near Road	24° 21' 29"	79° 59' 26"	4.7
94	Judi Village Borewell	Sadan Kushwaha	24° 21' 27"	79° 59' 25"	3.3
95	Judi Village Borewell	Suresh Kushwaha	24° 21' 28"	79° 59' 20"	6.5
96	Pagara village Borewell	Ram Kishor	24° 21' 8"	79° 59' 53"	1.9

Checked By



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Lab Incharge
Authorized Signatory

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Vibrant Techno Lab Pvt. Ltd.

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97	Pagara village Dugwell	Near Road	24° 21' 11"	80° 0' 3"	2
98	Judi Village Borewell	Munni Lal	24° 21' 28"	79° 59' 23"	3.27
99	Judi Village Dug well	Pankhi bai	24° 21' 29"	79° 59' 22"	23.4
100	Pagara village Dugwell	Near Road	24° 20' 53"	79° 59' 49"	1.9
101	Pagara village Borewell	Near Road	24° 21' 3"	80° 0' 0"	1.4
102	Pagara village Borewell	Near Road	24° 21' 8"	80° 0' 1"	7.81
103	Pagara village Borewell	Govt.	24° 21' 9"	80° 0' 0"	3.45
104	Piezometer Near Security Barrack	Cement Plant	24.330578	79.977914	10.12
105	Piezometer (Nr.Kakra crusher area.)	Kakra Mines	24° 19' 47"	79° 58' 17"	7.81
106	Piezometer (Nr.Kakra Mine Pit)	Kakra Mines	24.346323	79.959719	8.85
107	Piezometer Koni Mine-1	Koni Mines	24.313389	79.932291	4.78
108	Piezometer Koni Mine-2	Koni Mines	24.319217	79.924886	8.21

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Sample Number: VTL/ WL/01-109
Name & Address of the Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj PIN-488441 Dist-Panna
Ground Water Level

Report No.: VTL/W/2501230001-109
Format No.: 7.8 F-01
Party Reference No.: NIL
Report Date: 28/01/2025
Period of Analysis: 23 to 28/01/2025
Receipt Date: 23/01/2025
Sampling Date: 11-16/01/2025

Sample Description:
Sample Collected by: Vibrant Techno Lab Representative

S.No.	Location	Person Name	Location(ddmm'ss")		Water Level (Below Ground Level)- Meter
			Latitude (N)	Longitude (E)	
1	Puraina Village Borewell	Near Temple	24° 19' 1"	79° 58' 36"	9.23
2	Tighara Village Borewell	Shiv Veer Singh	24°17'38"	79°57'48"	9.0
3	Dhanwara Village Dugwell	Vidyadeen Rajput	24°12'3"	79°54'40"	8.13
4	Husaina Borewell	Kodu Patol	24°12'27"	79°47'51"	6.68
5	Kudra Borewell	Hukum singh	24°21'13"	79°3'59"	14.15
6	Kachnari Borewell	Govt.	24°14'34"	79°45'49"	7.29
7	Sanaura Village Borewell	Kalyan Singh	24°25'1"	79°57'45"	6.47
8	Jhigav Village Borewell	Ram Kishan	24°25'6"	79°58'59"	7.89
9	Jhigav Village Borewell	Ram Lakhan	24°25'10"	79°59'13"	7.7
10	Jhigav Village Borewell	Near Road	24°25'7"	79°58'58"	6.85
11	Jhigav Village Dugwell	Ujiyan	24°25'8"	79°58'44"	2.40
12	Udla Village Borewell	Govt.	24°24'16"	79°54'39"	8.73
13	Udla Village Dugwell	Govt.	24°24'19"	79°54'39"	2.6
14	Sanaura Village Dugwell	Temple	24°25'5"	79°58'20"	3.47
15	Kamtana Village Dugwell	Near temple	24°22'51"	79°57'31"	4.16
16	Kamtana Village Borewell	Near Khet	24°22'40"	79°57'47"	12.9
17	Kamtana Village Borewell	Near Khet	24°21'51"	79°57'50"	15.83
18	Hinauta Dugwell	Bhagirathi	24° 23' 48"	80° 1' 17"	10.1
19	Kamtana Village Dugwell	Near Road	24° 22' 60"	79° 57' 17"	4.67
20	Kamtana Village Borewell	Near Road	24°23'6"	79°57'25"	8.5

Checked By



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21	Kamatana Village Borewell	Govt. School	24°22'55"	79°57'21"	7.81
22	Kamatana Village Dug well	Near Road	24°23'11"	79°57'28"	2.65
23	Kamatana Village Dug well	Near Road	24°23'12"	79°57'29"	2.9
24	Sunwani Khurd Borewell	Near Temple	24°21'43"	79°55'12"	12.36
25	Gaisabad Borewell	Govt.	24°14'12"	79°49'36"	14.8
26	Sunwani Kalan Borewell	Amit Chanpariya	24°21'36"	79°52'58"	12.36
27	Mahod Kalan Village Borewell	Suresh	24°18'11"	80°2'43"	11.0
28	Saptai Village Dugwell	Near Temple	24°21'24"	79°57'1"	6.68
29	Simariya Village Dugwell	Near Road	24°16'43"	79°53'49"	2.8
30	Simariya Village Dugwell	Near Road	24°16'18"	79°53'50"	3.0
31	Kariya Village Dugwell	Govt.	24°15'56"	79°58'47"	4.26
32	Kariya Village Dugwell	Govt.	24°15'37"	79°58'57"	7.1
33	Gaisabad Village Dugwell	Govt.	24°14'10"	79°49'35"	3.2
34	Chadra Village Dugwell	Raja	24°14'14"	79°54'18"	4.8
35	Boda Village Dugwell	Near Road	24°18'17"	79°56'46"	2.35
36	Boda Village Borewell	Near Road	24°18'3"	79°56'44"	1.45
37	Boda Village Dugwell	Near Road	24°18'3"	79°56'41"	5.95
38	Bamhori Village Borewell	Near Road	24°20'15"	80°1'57"	11.9
39	Bamhori Village Dugwell	Near Road	24°20'26"	80°2'50"	4.7
40	Bamhori Village borewell	RajKumar	24°20'12"	80°2'5"	9.7
41	Sirsi Patna Borewell	Govt.	24°23'16"	79°54'24"	5.3
42	Bamhori Village dugewell	RajKumar	24°20'11"	80°2'5"	5.0
43	Bamhori Village Borewell	Jitendra	24°20'9"	80°1'59"	2.9
44	Bamhori Village Borewell	Govt.	24°20'10"	80°2'7"	5.0
45	Jharkuwa Village Borewell	Near Road	24°21'4"	80°2'46"	7.12
46	Jharkuwa Village Dugwell	Kanhaiya	24°21'16"	80°2'42"	7.12
47	Jharkuwa Village Borewell	Kanhaiya	24°21'17"	80°2'43"	14.66
48	Itauri Village Borewell	Thakur Das Pandey	24°22'41"	80°2'17"	7.3
49	Itauri Village Borewell	Salikram Pandey	24°22'33"	80°2'23"	16.12
50	Itauri Village Dugwell	Near road	24°21'14"	80°2'46"	7.12
51	Itauri Village Dugwell	Ram Lakhan	24°23'10"	79°59'13"	7.7

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52	Itaari Village Borewell	Near Road	24°25'29"	80°0'29"	9.17
53	Itaari Village Borewell	Prem Lal	24°25'32"	80°0'49"	4.87
54	Itaari Village Borewell	Roshan Choudhary	24°25'32"	80°0'48"	7.67
55	Itaari Village Borewell	Bharat Choudhary	24°25'32"	80°0'47"	13.8
56	Amanganj Borewell	Lakshmi Narayan Dubey	24°25'28"	80°2'7"	12.4
57	Amanganj Dugwell	Govt.	24°25'32"	80°2'2"	7.45
58	Amanganj Borewell	Govt.	24°25'26"	80°2'8"	20.9
59	Hinauti Dugwell	Bhagirath	24°23'48"	80°1'17"	10.10
60	Hinauti Dugwell	Near Road	24°13'20"	79°45'2"	3.34
61	Jamsha Borewell	Prem Lal	24°13'5"	79°46'22"	5.2
62	Muhrai Village Dugwell	Near Road	24°16'52"	79°46'42"	6.2
63	Madalyan Borewell	Arjun Singh	24°19'44"	79°59'24"	12.97
64	Deora Village Dugwell	Uma Shankar	24°20'53"	79°59'49"	2.8
65	Deora Village Borewell	Near Road	24°20'50"	79°59'49"	9.1
66	Deora Village Borewell	Uma Shankar	24°20'53"	79°59'50"	14.23
67	Deora Village Dugwell	Near Road	24°20'21"	79°58'16"	2.5
68	Deora Village Dugwell	Samudayik Bhawan	24°20'19"	79°58'19"	2.7
69	Deora Village Borewell	Arvind	24°19'55"	79°58'58"	11.23
70	Deora Village Borewell	Natha Lal	24°20'41"	79°58'17"	20.19
71	Deora Village Borewell	Near khet	24°20'43"	79°58'14"	6.21
72	Deora Village Borewell	Jawahar	24°20'54"	79°59'52"	7.4
73	Deora Village Borewell	Balram Tiwari	24°20'42"	79°58'19"	19.89
74	Deora Village Borewell	Near Temple	24°20'18"	79°58'18"	12.67
75	Deora Village Borewell	Brindawan tiwari	24°20'45"	79°58'18"	11.55
76	Deora Village Borewell	Near Ram temple	24°20'48"	24°58'21"	3.2
77	Deora Village Dugwell	Near Panchayat	24°20'48"	79°58'18"	3.81
78	Kakra Village Dugwell	Temple	24°21'24"	79°57'1"	6.68
79	Kakra Village Borewell	Ram ji Tiwari	24°21'21"	79°56'59"	13.28
80	Kakra Village Borewell	Premdas Kuswaha	24°21'23"	79°57'4"	12.1
81	Kakra Village Dugwell	Near Temple	24°21'24"	79°57'1"	6.6
82	Kakra Village Borewell	Neeraj Lodhi	24°21'20"	79°57'3"	13.78
83	Kakra Village Borewell	Vijay Lodhi	24°21'2"	79°57'19"	12.8
84	Kakra Village Borewell	Ruplal Lodhi	24°21'23"	79°57'1"	4.12
85	Kakra Village Borewell	Buksha Kuswaha	24°21'23"	79°57'6"	8.8
86	Kakra Village Borewell	Hukum Singh	24°21'13"	80°3'59"	14.15
87	Kakra Village Borewell	Shiva Kishor Tiwari	24°21'21"	79°57'1"	10.0
88	Kakra Village Borewell	Ramgulam Tiwari	24°21'21"	79°56'59"	13.28
89	Bilha Village Borewell	Govt.	24°18'4"	80°3'49"	6.68
90	Bilha Village Borewell	Panchayat	24°23'3"	79°54'56"	12.97

Checked By



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91	Bilha Village Borewell	Jagdish Tiwari	24° 23' 2"	79° 59' 56"	13.55
92	Judi Village Borewell	Munni Lal	24° 21' 27"	79° 59' 24"	20.58
93	Judi Village Dug well	Asharam	24° 21' 7"	79° 59' 53"	3.5
94	Judi Village Borewell	Govt.	24° 21' 28"	79° 59' 26"	38.20
95	Judi Village Borewell	Rawati	24° 21' 28"	79° 59' 28"	24.80
96	Judi Village Dugwell	Near Road	24° 21' 8"	79° 59' 53"	2.14
97	Judi Village Borewell	near road	24° 21' 30"	79° 59' 32"	12.9
98	Judi Village Borewell	Mulua chaudary	24° 21' 27"	79° 59' 22"	25.0
99	Murhai hatta	Govt.	24° 16' 52"	79° 46' 42"	6.2
100	Varidha Village Borewell	Lutti Kurni	24° 20' 18"	79° 47' 7"	5.3
101	Judi village Borewell	Pankhi bai	24° 21' 29"	79° 59' 22"	29.7
102	Judi village Dugwell	Near Road	24° 21' 6"	80° 0' 0"	3.0
103	Judi Village Borewell	Ramwati kushwaha	24° 21' 28"	79° 59' 20"	24.8
104	Judi Village Borewell	Sadan kushwaha	24° 21' 27"	79° 59' 25"	8.24
105	Piezometer Near Security Barrack	Cement Plant	24° 23' 3"	79° 57' 34"	11.05
106	Piezometer (Nr.Kakra crusher area.)	Kakra Mines	24° 19' 47"	79° 58' 17"	9.89
107	Piezometer (Nr.Kakra Mine Pit.)	Kakra Mines	24° 20' 47"	79° 57' 35"	8.96
108	Piezometer Koni Mine-1	Koni Mines	24.313389	79.932291	4.61
109	Piezometer Koni Mine-2	Koni Mines	24° 19' 9"	79° 55' 30"	8.98

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Annexure-8

Surface Water and Ground Water Quality Report



JK Cement Works, Panna
(Formerly known as Jindaycem (Central) Ltd. now amalgamated)
A Unit of JK Cement Ltd.
CIN: L17229UP1994PLC017199
Village - Marhwasahi, Tehsil - Amargarh
District - Panna, State - Madhya Pradesh, India - 488 441
9329141891 jkc.panna@jkcement.com
www.jkcement.com

Ref: JKCEMENT/ENV/EMR/2024-25/208/74

Date: 19.12.2024

To,
The Director
Impact Assessment Division (IA Division)
Ministry of Environment and Forest & Climate Change
Indira Paryavaran Bhawan, Jorbagh Road,
New Delhi-110003 INDIA.

Subject: Submission of Surface water & Ground Water Quality Analysis Reports for the month of November-2024 for Koni-Sinariya Limestone Mine of M/s J K Cement Ltd. at Village(s)- Koni, Boda, Gudha, Maharajganj, Ganiyari, Vanbhui, Sinariya, Dewi, Pagra & Kuluwa Tehsil-Sinariya, District Panna (M.P.)-488441.

Reference No.: EC No.-File. No. J-11025/80/2020-IA.II (M) dated 01.11.2021

Dear Sir,

With reference to the aforesaid subject, please find herewith enclosed Surface water & Ground Water Quality Analysis Reports for the month of November-2024 for Koni-Sinariya Limestone Mine of M/s J K Cement Ltd. at Village(s)- Koni, Boda, Gudha, Maharajganj, Ganiyari, Vanbhui, Sinariya, Dewi, Pagra & Kuluwa Tehsil-Sinariya, District Panna (M.P.)-488441, for your kind information and record please.

Thanking You
Yours faithfully,

For J K Cement Ltd., Panna

Kapil Agarwal

(Unit Head)

Encl: As above

CC to:-

1. The Add. Principal Chief Conservator of Forest (C) MoEF & CC, Regional Office (W2), E-5, Kendriya Paryavaran Bhawan, E-5 Arera Colony, Link Road-3, Ravishankar Nagar, Bhopal-462016
2. Member Secretary, CGWA, Jamnagar House, 18/11, Man Singh Road Area, New Delhi, Delhi-110001
3. Regional Director, CGWB Regional Office, Block-1, 4th Floor, Paryavaran Bhawan, Arera Hills, Bhopal
4. Scientist E, Regional Directorate, CPCB Zonal Office, Vithal Market, Paryavaran Park, E-5, Arera Colony, Bhopal, M.P.
5. Member Secretary, MPPCB, E-5, Link Road No. 3, Ekant Park, Arera Colony, Bhopal, M.P.
6. Regional Officer, Regional Office MPPCB, Pt. Deen Dayal Nagar, Housing Board Colony, Sagar, M.P.

Corporate Office

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admin.panna@jkcement.com
www.jkcement.com
CIN: L17229UP1994PLC017199

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Nainpur (U.P.) | Baleshwar (Odisha) | Kalyan

Registered Office : Prism Tower, Nainpur-208001, U.P., India. ☎ +91-512-2371478 to 85 ☎ +91-512-2399954 🌐 www.jkcement.com



Sample Number:
Name & Address of the Party:

VTL/SW/01-03
M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Kakra- Panna Limestone Mines
Village-Harduwaken Tehsil-Amanganj PIN-488441 Dist-
Panna
Surface Water

Report No.: VTL/W/2411170030-32
Format No.: 7.0 F-01
Party Reference No.: NIL
Report Date: 25/11/2024
Period of Analysis: 17 to 25/11/2024
Receipt Date: 17/11/2024
Sampling Date: 16/11/2024
Sampling Quantity: 20Ltr + 250 ml
Sampling Type: Grab

Sample Description:

Sample Collected by:
Preservation:
Parameter Required:
Sampling and Analysis Protocol:

Vibrant Techno Lab Team
Suitable Preservation
As Per Work Order
APHA 24th Edition 2023

S. No.	Parameter	Test Method	Pond Near Pagra Village	Ken River Near Tigra Village	Betwa Nalla Near Surapur	Unit
Physical Parameters						
1.	pH (at 25 °C)	IS 3025 (P-11): 2023	7.62	7.57	7.69	--
2.	Colour	IS 3025(P-4): 2021	7	6	10	Hazen
3.	Turbidity	IS 3025 (P-10): 2023	12	16	14	NTU
Chemical Parameters (mg/l)						
4.	Total Hardness as CaCO ₃	IS: 3025 (P-21): 2004, RA: 2019	153.04	167.00	134.00	mg/l
5.	Alkalinity as CaCO ₃	IS: 3025 (P-23): 2023	68.00	58.40	40.00	mg/l
6.	Chloride as Cl	IS: 3025 (Part 32): 1988, RA: 2019	38.76	32.15	28.41	mg/l
7.	Total Dissolved Solids	IS 3025 (P-16): 2023	360	299	310	mg/l
8.	Sulphate as SO ₄	IS: 3025 (P-24): Sec.1: 2022	15.12	19.67	17.38	mg/l
9.	Fluoride as F	APHA (23 rd Edition), 4500FD:2017	0.23	0.18	0.25	mg/l
10.	Nitrate as NO ₃	IS: 3025 (P-34): 1988 (Chromatographic Method) Sec. 4 RA: 2022	5.49	6.29	5.32	mg/l
11.	Iron as Fe	APHA (23 rd Edition), 3113B: 2017	0.23	0.31	0.36	mg/l
12.	Chromium as Cr+6	APHA (23 rd Edition), 3500 CR-B	*BLQ(**LOQ-0.05)	*BLQ(**LOQ-0.05)	*BLQ(**LOQ-0.05)	mg/l
13.	Phenolic Compounds	APHA 23 rd Edition, 1017, 5530 C	*BLQ(**LOQ-0.001)	*BLQ(**LOQ-0.001)	*BLQ(**LOQ-0.001)	mg/l
14.	Zinc as Zn	APHA (23 rd Edition), 3113 B: 2017	0.35	0.20	0.32	mg/l
15.	Copper as Cu	APHA (23 rd Edition), 3111 B: 2017	*BLQ(**LOQ-0.02)	*BLQ(**LOQ-0.02)	*BLQ(**LOQ-0.02)	mg/l
16.	Cadmium as Cd	APHA (23 rd Edition), 3111 B: 2017	*BLQ(**LOQ-0.002)	*BLQ(**LOQ-0.002)	*BLQ(**LOQ-0.002)	mg/l
17.	Lead as Pb	APHA (23 rd Edition), 3111 B: 2017	*BLQ(**LOQ-0.005)	*BLQ(**LOQ-0.005)	*BLQ(**LOQ-0.005)	mg/l
18.	Arsenic as As	APHA (23 rd Edition), 3114C:2017	*BLQ(**LOQ-0.005)	*BLQ(**LOQ-0.005)	*BLQ(**LOQ-0.005)	mg/l
19.	Mercury as Hg	APHA (23 rd Edition), 3111 B: 2017	*BLQ(**LOQ-0.001)	*BLQ(**LOQ-0.001)	*BLQ(**LOQ-0.001)	mg/l
20.	Oil & Grease	IS: 3025 (P-39)	*BLQ(**LOQ-4.0)	*BLQ(**LOQ-4.0)	*BLQ(**LOQ-4.0)	mg/l
21.	BOD (3 days at 17°C)	IS: 3025 (P-44): 1993, RA: 2019	10.12	8.67	12.53	mg/l
22.	COD	IS: 3025 (P-50): 2006, RA: 2017	46.0	35.0	48.0	mg/l
23.	DO	IS: 3025 (P-38): 1989, RA: 2019	6.1	5.9	5.4	mg/l
24.	TSS	IS: 3025 (P-17): 2021	53	47	39	mg/l
Microbiological Parameters						
25.	Total Coliform	IS: 15185: 2016	Present	Present	Present	Present/Absent per 100 ml
26.	Faecal Coliform	IS: 15185: 2016	Present	Present	Present	

Note: * BLQ- Below Limit of Quantification, ** LOQ- Limit of Quantification

Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

Vibrant Techno Lab Pvt. Ltd.

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9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

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Sample Number:
Name & Address of the Party:

VTL/SW/04-06
M/s JK Cement Works, Panna
(A Unit of JK Cement Ltd.) Kakra- Panna Limestone Mines
Village-Hardwaken Tehsil-Amanganj PIN-489441 Dist-
Panna
Surface Water

Report No.: VTL/W/2411170039-35
Format No.: 7.8 F-01
Party Reference No.: NIL
Report Date: 25/11/2024
Period of Analysis: 17 to 25/11/2024
Receipt Date: 17/11/2024
Sampling Date: 16/11/2024
Sampling Quantity: 2.0Ltr. + 250 ml
Sampling Type: Grab

Sample Description:

Sample Collected by:
Preservation:
Parameter Required:
Sampling and Analysis Protocol:

Vibrant Techno Lab Team
Suitable Preservation
As Per Work Order
APHA 24th Edition 2023

S. No.	Parameter	Test Method	Mirhasan River Near Amanganj	Kan River Near Singaura Village	Sonar River Near Village Santa	Unit
Physical Parameters						
1.	pH (at 25°C)	IS 3025 (P-13): 2022	7.51	7.39	7.46	-
2.	Colour	IS 3025(P-4): 2021	7	9	6	Hazen
3.	Turbidity	IS 3025 (P-10): 2023	13	7	10	NTU
Chemical Parameters (mg/l)						
4.	Total Hardness as CaCO ₃	IS: 3025 (P-21): 2009, RA: 2019	138.00	112.00	147.00	mg/l
5.	Alkalinity as CaCO ₃	IS: 3025 (P-23): 2023	56.00	43.00	60.51	mg/l
6.	Chloride as Cl	IS: 3025(Part 32):1988, RA 2019	91.24	37.82	39.68	mg/l
7.	Total Dissolved Solids	IS 3025 (P-16): 2023	410	325	448	mg/l
8.	Sulphate as SO ₄	IS: 3025 (P-24): Sec. 1 : 2022	15.46	12.17	18.37	mg/l
9.	Fluoride as F	APHA (23rd Edition), 4500FD:2017	0.18	0.13	0.15	mg/l
10.	Nitrate as NO ₃	IS: 3025 (P-34): 1988.(Chromotropic Method) Sec. 4 RA: 2022	7.54	6.28	8.67	mg/l
11.	Iron as Fe	APHA (23rd Edition), 3113B: 2017	0.21	0.17	0.25	mg/l
12.	Chromium as Cr+6	APHA (23rd Edition), 3500 CR-B	*BLQ(**LOQ-0.05)	*BLQ(**LOQ-0.05)	*BLQ(**LOQ-0.05)	mg/l
13.	Phenolic Compounds	APHA 23rd Edition 2017, 5530 C	*BLQ(**LOQ-0.001)	*BLQ(**LOQ-0.001)	*BLQ(**LOQ-0.001)	mg/l
14.	Zinc as Zn	APHA (23rd Edition), 3111 B: 2017	0.29	0.33	0.30	mg/l
15.	Copper as Cu	APHA (23rd Edition), 3111 B: 2017	*BLQ(**LOQ-0.02)	*BLQ(**LOQ-0.02)	*BLQ(**LOQ-0.02)	mg/l
16.	Cadmium as Cd	APHA (23rd Edition), 3111 B: 2017	*BLQ(**LOQ-0.002)	*BLQ(**LOQ-0.002)	*BLQ(**LOQ-0.002)	mg/l
17.	Lead as Pb	APHA (23rd Edition), 3111 B: 2017	*BLQ(**LOQ-0.005)	*BLQ(**LOQ-0.005)	*BLQ(**LOQ-0.005)	mg/l
18.	Arsenic as As	APHA (23rd Edition), 3114C, 2017	*BLQ(**LOQ-0.005)	*BLQ(**LOQ-0.005)	*BLQ(**LOQ-0.005)	mg/l
19.	Mercury as Hg	APHA (23rd Edition), 3112 B, 2017	*BLQ(**LOQ-0.001)	*BLQ(**LOQ-0.001)	*BLQ(**LOQ-0.001)	mg/l
20.	Oil & Grease	IS: 3025(P-39)	*BLQ(**LOQ-4.0)	*BLQ(**LOQ-4.0)	*BLQ(**LOQ-4.0)	mg/l
21.	BOD (3days at 27°C)	IS: 3025(P-44):1993, RA:2019	12.0	9.0	14.0	mg/l
22.	COD	IS: 3025(P-50):2006, RA:2017	50.0	87.0	56.0	mg/l
23.	DO	IS: 3025(P-38):1988, RA:2019	5.7	6.4	5.3	mg/l
24.	TSS	IS: 3025(P-17):2021	53	49	60	mg/l
Microbiological Parameters						
25.	Total Coliform	IS: 15105: 2016	Present	Present	Present	Present/Absent per 100 ml
26.	Faecal Coliform	IS: 15105: 2016	Present	Present	Present	

Note: - *BLQ-Below Limit of Quantification, **LOQ- Limit of Quantification

Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

Vibrant Techno Lab Pvt. Ltd.

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0141-2954638

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Sample Number: VTL/SW/07-08
Name & Address of the Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Bakra- Panna Limestone Mines
Village-Harduwaken Tehsil-Amanganj PIN-490441 Dist-
Panna
Sample Description: Surface Water
Sample Collected by: Vibrant Techno Lab Team
Preservation: Suitable Preservation
Parameter Required: As Per Work Order
Sampling and Analysis Protocol: APHA 24th Edition 2023

Report No.: VTL/W/2411170036-38
Format No: 7.8 F-01
Party Reference No: NIL
Report Date: 25/11/2024
Period of Analysis: 17 to 25/11/2024
Receipt Date: 17/11/2024
Sampling Date: 16/11/2024
Sampling Quantity: 2.0Ltr.+ 250 ml
Sampling Type: Grab

S. No.	Parameter	Test Method	Pond Near Chikhla Village	Pond Near Unari Village	Nala Near Deera Village	Unit
Physical Parameters						
1.	pH (at 25 °C)	IS 3025 (P-11): 2023	7.42	7.15	7.20	--
2.	Colour	IS 3025(P-4): 2023	6	9	7	Hazen
3.	Turbidity	IS 3025 (P-10): 2023	15	18	10	NTU
Chemical Parameters (mg/l)						
4.	Total Hardness as CaCO ₃	IS: 3025 (P-21): 2009, RA: 2019	195.00	200.00	121.00	mg/l
5.	Alkalinity as CaCO ₃	IS: 3025 (P-23): 2023	66.34	55.20	49.74	mg/l
6.	Chloride as Cl	IS: 3025 (Part 32): 1988, RA: 2019	53.17	38.37	46.10	mg/l
7.	Total Dissolved Solids	IS 3025 (P-16): 2023	375	326	186	mg/l
8.	Sulphate as SO ₄	IS: 3025 (P-24): Sec.1 : 2022	16.41	13.18	18.67	mg/l
9.	Fluoride as F	APHA (23 rd Edition), 4500 Fb-2017	0.21	0.17	0.24	mg/l
10.	Nitrate as NO ₃	IS: 3025 (P-34): 1988, (Chromotropic Method) Sec. 1 RA: 2022	7.89	8.16	10.14	mg/l
11.	Iron as Fe	APHA (23 rd Edition), 3113B: 2017	0.29	0.16	0.31	mg/l
12.	Chromium as Cr+6	APHA (23 rd Edition), 3500 CR-B	*BLQ(**LOQ-0.05)	*BLQ(**LOQ-0.05)	*BLQ(**LOQ-0.05)	mg/l
13.	Phenolic Compounds	APHA 23 rd Edition, 2017, 5530 C	*BLQ(**LOQ-0.001)	*BLQ(**LOQ-0.001)	*BLQ(**LOQ-0.001)	mg/l
14.	Zinc as Zn	APHA (23 rd Edition), 3111 B: 2017	0.24	0.26	0.28	mg/l
15.	Copper as Cu	APHA (23 rd Edition), 3111 B: 2017	*BLQ(**LOQ-0.01)	*BLQ(**LOQ-0.02)	*BLQ(**LOQ-0.02)	mg/l
16.	Cadmium as Cd	APHA (23 rd Edition), 3111 B: 2017	*BLQ(**LOQ-0.002)	*BLQ(**LOQ-0.002)	*BLQ(**LOQ-0.002)	mg/l
17.	Lead as Pb	APHA (23 rd Edition), 3111 B: 2017	*BLQ(**LOQ-0.005)	*BLQ(**LOQ-0.005)	*BLQ(**LOQ-0.005)	mg/l
18.	Arsenic as As	APHA (23 rd Edition), 3114C, 2017	*BLQ(**LOQ-0.005)	*BLQ(**LOQ-0.005)	*BLQ(**LOQ-0.005)	mg/l
19.	Mercury as Hg	APHA (23 rd Edition), 3112 B, 2017	*BLQ(**LOQ-0.001)	*BLQ(**LOQ-0.001)	*BLQ(**LOQ-0.001)	mg/l
20.	Oil & Grease	IS: 3025(P-39)	*BLQ(**LOQ-4.0)	*BLQ(**LOQ-4.0)	*BLQ(**LOQ-4.0)	mg/l
21.	BOD (3days at 27°C)	IS: 3025(P-44): 1993, RA: 2019	14.72	11.81	9.64	mg/l
22.	COD	IS: 3025(P-58): 2006, RA: 2017	55.0	46.0	38.0	mg/l
23.	DO	IS: 3025(P-38): 1989, RA: 2019	6.7	7.1	6.5	mg/l
24.	TSS	IS: 3025(P-17): 2021	70	62	53	mg/l
Microbiological Parameters						
25.	Total Coliform	IS: 15185: 2016	Present	Present	Present	Present/Absent per 100 ml
26.	Faecal Coliform	IS: 15185: 2016	Present	Present	Present	

Note: - *BLQ-Below Limit of Quantification, **LOQ- Limit of Quantification

End of the report

Signature By



RK Yadav
Lab Incharge
Authorized Signatory

Approved & Certified EPA 1986 Recognised, ISO:9001 and ISO:45001 Certified

Vibrant Techno Lab Pvt. Ltd.

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0141-2954638

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Sample Number:
Name & Address of the Party:

YTL/SW/01-03
M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Kakra- Panna Limestone Mines
Village-Hardwaken Tehsil-Amanganj PIN-488441 Dist-
Panna
Surface Water

Report No.: YTL/W/2411170039-41
Format No.: T.R-01
Party Reference No.: NE
Report Date: 25/11/2024
Period of Analysis: 17 to 25/11/2024
Receipt Date: 17/11/2024
Sampling Date: 16/11/2024
Sampling Quantity: 2.4Ltr.+ 250 ml
Sampling Type: Grab

Sample Description:

Sample Collected by:
Preservation:
Parameter Required:
Sampling and Analysis Protocol:

Vibrant Techno Lab Team
Suitable Preservation
As Per Work Order
APHA 24th Edition 2023

S. No.	Parameter	Test Method	Pond Near Amanganj	Berma River Near Galsabad Village	Pond Paralna Village	Unit
Physical Parameters						
1.	pH (at 25 °C)	IS 3025 (P-11): 2022	7.39	7.25	7.61	--
2.	Colour	IS 3025(P-4): 2021	7	0	15	Hazen
3.	Turbidity	IS 3025 (P-10): 2023	11	17	13	NTU
Chemical Parameters (mg/l)						
4.	Total Hardness as CaCO ₃	IS: 3025 (P-11): 2009, RA: 2019	172.00	141.00	186.00	mg/l
5.	Alkalinity as CaCO ₃	IS: 3025 (P-23): 2023	76.00	84.00	92.00	mg/l
6.	Chloride as Cl	IS: 3025(Part 31):1988, RA:2019	41.15	35.27	46.81	mg/l
7.	Total Dissolved Solids	IS 3025 (P-16): 2023	346	356	459	mg/l
8.	Sulphate as SO ₄	IS: 3025 (P-24): Sec.1 : 2022	18.04	10.94	22.67	mg/l
9.	Fluoride as F	APHA (23rd Edition), 4500FD-2017	0.24	0.19	0.33	mg/l
10.	Nitrate as NO ₃	IS: 3025 (P-34): 1988(Chromotropic Method) Sec. 4 RA: 2022	0.17	11.34	14.97	mg/l
11.	Iron as Fe	APHA (23rd Edition),3113B: 2017	0.26	0.17	0.23	mg/l
12.	Chromium as Cr+6	APHA (23rd Edition),3500 CR-8	*BLQ(**LOQ-0.05)	*BLQ(**LOQ-0.05)	*BLQ(**LOQ-0.05)	mg/l
13.	Phenols Compounds	APHA 23rd Edition,2017, 5530 C	*BLQ(**LOQ-0.001)	*BLQ(**LOQ-0.001)	*BLQ(**LOQ-0.001)	mg/l
14.	Zinc as Zn	APHA (23rd Edition),3111 B: 2017	0.33	0.25	0.41	mg/l
15.	Copper as Cu	APHA (23rd Edition),3111 B: 2017	*BLQ(**LOQ-0.02)	*BLQ(**LOQ-0.02)	*BLQ(**LOQ-0.02)	mg/l
16.	Cadmium as Cd	APHA (23rd Edition),3111 B: 2017	*BLQ(**LOQ-0.002)	*BLQ(**LOQ-0.002)	*BLQ(**LOQ-0.002)	mg/l
17.	Lead as Pb	APHA (23rd Edition),3111 B: 2017	*BLQ(**LOQ-0.005)	*BLQ(**LOQ-0.005)	*BLQ(**LOQ-0.005)	mg/l
18.	Arsenic as As	APHA (23rd Edition),3114C,2017	*BLQ(**LOQ-0.005)	*BLQ(**LOQ-0.005)	*BLQ(**LOQ-0.005)	mg/l
19.	Mercury as Hg	APHA (23rd Edition),3112 B,2017	*BLQ(**LOQ-0.001)	*BLQ(**LOQ-0.001)	*BLQ(**LOQ-0.001)	mg/l
20.	Oil & Grease	IS:3025(P-39)	*BLQ(**LOQ-4.0)	*BLQ(**LOQ-4.0)	*BLQ(**LOQ-4.0)	mg/l
21.	BOD (3 days at 27°C)	IS:3025(P-44):1993, RA:2019	6.2	5.1	6.9	mg/l
22.	COD	IS:3025(P-58):2006, RA:2017	25.0	30.0	30.0	mg/l
23.	DO	IS:3025(P-38):1989, RA:2019	7.5	6.0	7.0	mg/l
24.	TSS	IS:3025(P-17):2021	40	57	42	mg/l
Microbiological Parameters						
25.	Total Coliform	IS:15185: 2016	Present	Present	Present	Present/Absent per 100 ml
26.	Faecal Coliform	IS:15185: 2016	Present	Present	Present	

Note: - *BLQ-Below Limit of Quantification, **LOQ- Limit of Quantification

Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Approved & Certified EPA 1986 Recognised, ISO-9001 and ISO-45001 Certified

Vibrant Techno Lab Pvt. Ltd.

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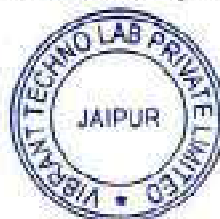
Sample Number: VTL/SW/01
Name & Address of the Party: M/s JK Cement Works, Panna
 (A Unit Of JK Cement Ltd.) Konl-Simariya
 Limestone Mine Village-Harduwaken Tehsil-
 Amanganj PIN-480441 Dist-Panna
Sample Description: Surface Water
Sample Collected by: Vibrant Techno Lab Team
Preservation: Suitable Preservation
Parameter Required: As Per Work Order
Sampling and Analysis Protocol: APHA 24th Edition 2023

Report No.: VTL/W/2411170042
Format No.: 7.9 F-01
Party Reference No.: NIL
Report Date: 25/11/2024
Period of Analysis: 17 to 25/11/2024
Receipt Date: 17/11/2024
Sampling Date: 16/11/2024
Sampling Quantity: 2.0Ltr.+ 250 ml
Sampling Type: Grab

S. No.	Parameter	Test Method	Run Off Water Konl Mine Pit-01	Unit
Physical Parameters				
1.	pH (at 25 °C)	IS 3025 (P-11): 2022	7.47	--
2.	Colour	IS 3025(P-4): 2021	6	Hazen
3.	Turbidity	IS 3025 (P-10): 2023	12	NTU
Chemical Parameters (mg/l)				
4.	Total Hardness as CaCO ₃	IS: 3025 (P-21): 2009, RA: 2019	136.00	mg/l
5.	Alkalinity as CaCO ₃	IS: 3025 (P-23): 2023	57.00	mg/l
6.	Chloride as Cl	IS: 3025(Part 32):1988, RA:2019	48.0	mg/l
7.	Total Dissolved Solids	IS 3025 (P-16): 2023	390.0	mg/l
8.	Sulphate as SO ₄	IS: 3025 (P-24): Sec.1: 2022	12.78	mg/l
9.	Fluoride as F	APHA (23 rd Edition), 4500FD:2017	0.26	mg/l
10.	Nitrate as NO ₃	IS: 3025 (P-34): 1988,(Chromotropic Method) Sec. 4 RA: 2022	5.43	mg/l
11.	Iron as Fe	APHA (23 rd Edition),3113B: 2017	0.21	mg/l
12.	Chromium as Cr+6	APHA (23 rd Edition),3500 CR-B	*BLQ(**LOQ-0.05)	mg/l
13.	Phenolic Compounds	APHA 23 rd Edition,2017, 5530 C	*BLQ(**LOQ-0.001)	mg/l
14.	Zinc as Zn	APHA (23 rd Edition),3111 B: 2017	0.35	mg/l
15.	Copper as Cu	APHA (23 rd Edition),3111 B: 2017	*BLQ(**LOQ-0.02)	mg/l
16.	Cadmium as Cd	APHA (23 rd Edition),3111 B: 2017	*BLQ(**LOQ-0.002)	mg/l
17.	Lead as Pb	APHA (23 rd Edition),3111 B: 2017	*BLQ(**LOQ-0.005)	mg/l
18.	Arsenic as As	APHA (23 rd Edition),3114C,2017	*BLQ(**LOQ-0.005)	mg/l
19.	Mercury as Hg	APHA (23 rd Edition)3112 B,2017	*BLQ(**LOQ-0.001)	mg/l
20.	Oil & Grease	IS:3025(P-39)	*BLQ(**LOQ-4.0)	mg/l
21.	BOD (3days at 27°C)	IS:3025(P-44):1993, RA:2019	6.45	mg/l
22.	COD	IS:3025(P-58):2006, RA:2017	30.0	mg/l
23.	DO	IS:3025(P-38):1989, RA:2019	6.3	mg/l
24.	TSS	IS:3025(P-17):2021	70.0	mg/l
Microbiological Parameters				
25.	Total Coliform	IS:15185: 2016	Present	Present/Absent per 100 ml
26.	Faecal Coliform	IS:15185: 2016	Present	

Note: - *BLQ-Below Limit of Quantification, **LOQ- Limit of Quantification
 End of the report

Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

Vibrant Techno Lab Pvt. Ltd.

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Sample Number: VTL/SW/01
Name & Address of the Party: M/s JK Cement Works, Panna
 (A Unit Of JK Cement Ltd.) Koni-Simariya
 Limestone Mine Village-Harduwaken Tehsil-
 Amanganj PIN-488441 Dist-Panna
Sample Description: Surface Water
Sample Collected by: Vibrant Techno Lab Team
Preservation: Suitable Preservation
Parameter Required: As Per Work Order
Sampling and Analysis Protocol: APHA 24th Edition 2023

Report No.: VTL/W/2411170043
Format No.: 7.8 F-01
Party Reference No.: NIL
Report Date: 25/11/2024
Period of Analysis: 17 to 25/11/2024
Receipt Date: 17/11/2024
Sampling Date: 16/11/2024
Sampling Quantity: 2.0Ltr.+ 250 ml
Sampling Type: Grab

S. No.	Parameter	Test Method	Run Off Water Koni Mine Pit -02	Unit
Physical Parameters				
1.	pH (at 25 °C)	IS 3025 (P-11): 2022	7.41	--
2.	Colour	IS 3025(P-4): 2021	4	Hazen
3.	Turbidity	IS 3025 (P-10): 2023	10	NTU
Chemical Parameters (mg/l)				
4.	Total Hardness as CaCO ₃	IS: 3025 (P-21): 2009, RA: 2019	124.00	mg/l
5.	Alkalinity as CaCO ₃	IS: 3025 (P-23): 2023	47.00	mg/l
6.	Chloride as Cl	IS: 3025(Part 32):1988, RA:2019	36.0	mg/l
7.	Total Dissolved Solids	IS 3025 (P-16): 2023	340.0	mg/l
8.	Sulphate as SO ₄	IS: 3025 (P-24): Sec.1 : 2022	9.82	mg/l
9.	Fluoride as F	APHA (23 rd Edition), 4500FD:2017	0.15	mg/l
10.	Nitrate as NO ₃	IS: 3025 (P-34): 1988,(Chromotropic Method) Sec. 4 RA: 2022	4.89	mg/l
11.	Iron as Fe	APHA (23 rd Edition),3113B: 2017	0.19	mg/l
12.	Chromium as Cr+6	APHA (23 rd Edition),3500 CR-B	*BLQ(**LOQ-0.05)	mg/l
13.	Phenolic Compounds	APHA 23 rd Edition,2017, 5530 C	*BLQ(**LOQ-0.001)	mg/l
14.	Zinc as Zn	APHA (23 rd Edition),3111 B: 2017	0.36	mg/l
15.	Copper as Cu	APHA (23 rd Edition),3111 B: 2017	*BLQ(**LOQ-0.02)	mg/l
16.	Cadmium as Cd	APHA (23 rd Edition),3111 B: 2017	*BLQ(**LOQ-0.002)	mg/l
17.	Lead as Pb	APHA (23 rd Edition),3111 B: 2017	*BLQ(**LOQ-0.005)	mg/l
18.	Arsenic as As	APHA (23 rd Edition),3114C,2017	*BLQ(**LOQ-0.005)	mg/l
19.	Mercury as Hg	APHA (23 rd Edition)3112 B,2017	*BLQ(**LOQ-0.001)	mg/l
20.	Oil & Grease	IS:3025(P-39)	*BLQ(**LOQ-4.0)	mg/l
21.	BOD (3days at 27°C)	IS:3025(P-44):1993, RA:2019	5.58	mg/l
22.	COD	IS:3025(P-58):2006, RA:2017	25.0	mg/l
23.	DO	IS:3025(P-38):1989, RA:2019	7.2	mg/l
24.	TSS	IS:3025(P-17):2021	60.0	mg/l
Microbiological Parameters				
25.	Total Coliform	IS:15185: 2016	Present	Present/Absent per 100 ml
26.	Faecal Coliform	IS:15185: 2016	Present	

Note: - *BLQ-Below Limit of Quantification, **LOQ- Limit of Quantification
 End of the report

Checked By 



RK Yadav
 Lab Incharge
 Authorized Signatory 

Approved & Certified EPA 1986 Recognized, ISO:9001 and OHSAS:45001 Certified

Vibrant Techno Lab Pvt. Ltd.

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Sample Number: VTL/ W/01
Name & Address of the Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Kosi-Simariya
Limestone Mine Village-Hardwaken Tehsil-
Amanganj PIN-488441 Dist Panna
Sample Description: Ground Water
Sample Collected by: Vibrant Techno Lab Representative
Preservation: Suitable Preservation
Parameter Required: As Per Work Order
Sampling and Analysis Protocol: APHA 24th Edition 2023

Report No.: VTL/W/2411170044
Format No.: 7.8 F-01
Party Reference No.: NIL
Report Date: 25/11/2024
Period of Analysis: 17 to 25/11/2024
Receipt Date: 17/11/2024
Sampling Date: 16/11/2024
Sampling Quantity: 2.0 liter + 250 ml
Sampling Type: Grab

S.No.	Parameters	Test-Method	Kosi Mine (Borewell-01) Near Mine Office	Unit	Limits of IS:10500-2012	
					Requirement (Acceptable Limits)	Permissible Limit in the Absence of Alternate Source
1.	pH (at 25°C)	IS 3025 (Part 11) : 2022	7.28	--	6.5 to 8.5	No Relaxation
2.	Colour	IS 3025 (Part 4) : 2021	*BLQ(**LOQ 1.0)	Hazen	5	15
3.	Turbidity	IS 3025 (Part 10) : 2023	*BLQ(**LOQ 1.0)	NTU	1	5
4.	Odour	IS 3025 (Part 5) : 2018	Agreeable	--	Agreeable	Agreeable
5.	Temperature	IS 3025 (Part 9) : 2023	24.2	--	--	--
6.	Total Hardness as CaCO ₃	IS 3025 (Part 21) : 2009, RA : 2019	202.0	mg/l	200	600
7.	Calcium as Ca	IS 3025 (Part 40) : 1991, RA : 2019	50.0	mg/l	75	200
8.	Alkalinity as CaCO ₃	IS 3025 (Part 23) : 2023	75.0	mg/l	200	600
9.	Sodium	APHA, 24 th Edition, 3500 Na, A+B	58.3	mg/l	--	--
10.	Residual free Chlorine	IS 3025 (Part 26) : 2021 Clause 7.0	*BLQ(**LOQ 0.2)	mg/l	0.2	1
11.	Phosphate	IS 3025 (Part 31)	*BLQ(**LOQ 0.02)	mg/l	--	--
12.	Magnesium as Mg	APHA, 24 th Edition, 3500 Mg D, Calculation Method	18.77	mg/l	30	100
13.	Total Dissolved Solids	IS 3025 (Part 16) : 2023	570.0	mg/l	500	2000
14.	Sulphate as SO ₄	IS 3025 (Part 24/Sec 1) : 2022 Clause 5.0	6.15	mg/l	200	400
15.	Fluoride as F	APHA, 24 th Edition, 4500F-D : 2023	0.36	mg/l	1.0	1.5
16.	Nitrate as NO ₃	IS 3025 (Part 34/Sec 1) : 2023 Clause 6.4	15.42	mg/l	45	No Relaxation
17.	Iron as Fe	APHA 24 th Edition, 3111 B, 2023	0.22	mg/l	1.0	No Relaxation
18.	Potassium	APHA 24 th Edition, 3500 K, A+B	7.95	mg/l	--	--
19.	Boron	APHA, 24 th Edition, 4500 B-C : 2023	*BLQ(**LOQ 0.2)	mg/l	0.5	2.4
20.	Hexavalent Chromium as Cr+6	APHA, 24 th Edition, 3500 Cr- B	*BLQ(**LOQ 0.02)	mg/l	0.05	No Relaxation
21.	Nickel	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.01)	mg/l	0.02	No Relaxation
22.	Electrical Conductivity	IS 3025 (Part 14)	870	µs/cm	--	--
23.	Zinc as Zn	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.2)	mg/l	5	15
24.	Copper as Cu	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.02)	mg/l	0.05	1.5
26.	Cadmium as Cd	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.002)	mg/l	0.003	No Relaxation
27.	Lead as Pb	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.005)	mg/l	0.01	No Relaxation
28.	Total Coliform	IS 15385 : 2016, RA 2021	Absent	Per 100 ml	Shall not be Detectable in Any 100 ml sample	
29.	E. Coli	IS 15385 : 2016, RA 2021	Absent			

*BLQ- Below Limit of Quantification, **LOQ- Limit of Quantification.

Checked By

Approved & Certified EPA 1996 Recognised, ISO:9001 and GHSA:45001 Certified



RK Yadav
Lab Incharge
Authorized Signatory

Term & conditions PTO

Vibrant Techno Lab Pvt. Ltd.

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Sample Number: VTL/W/02-03
Name & Address of the Party: M/s JK Cement Works, Panna
 (A Unit Of JK Cement Ltd.) Koni-Simariya
 Limestone Mine Village-Hardwaken Tehsil-
 Amanganj PIN-488441 Dist-Panna
Sample Description: Ground Water
Sample Collected by: Vibrant Techno Lab Representative
Preservation: Suitable Preservation
Parameter Required: As Per Work Order
Sampling and Analysis Protocol: APHA 24th Edition 2023

Report No.: VTL/W/2411170045-46
Format No.: 7.8 F-01
Party Reference No.: NIL
Report Date: 25/11/2024

Period of Analysis: 17 to 25/11/2024
Receipt Date: 17/11/2024
Sampling Date: 16/11/2024
Sampling Quantity: 2.0Ltr.+ 250 ml
Sampling Type: Grab

S.No.	Parameters	Test-Method	Simariya Village	Sanwani Kalan Village	Unit	Limits of IS:10500-2012	
						Requirement (Acceptable Limits)	Permissible Limit in the Absence of Alternate Source
1.	pH (at 25°C)	IS 3025 (Part 11) : 2023	7.32	7.39	--	6.5 to 8.5	No Relaxation
2.	Colour	IS 3025 (Part 4) : 2021	*BLQ(**LOQ 1.0)	*BLQ(**LOQ 1.0)	Hazen	5	15
3.	Turbidity	IS 3025 (Part 10) : 2023	*BLQ(**LOQ 1.0)	*BLQ(**LOQ 1.0)	NTU	1	5
4.	Odour	IS 3025 (Part 5) : 2018	Agreeable	Agreeable	--	Agreeable	Agreeable
5.	Temperature	IS 3025 (Part 9) : 2023	24.5	24.3	--	--	--
6.	Total Hardness as CaCO ₃	IS 3025 (Part 21) : 2009, RA : 2019	185.0	210.0	mg/l	200	600
7.	Calcium as Ca	IS 3025 (Part 40) : 1991, RA : 2019	48.0	53.0	mg/l	75	200
8.	Alkalinity as CaCO ₃	IS 3025 (Part 23) : 2023	77.0	87.4	mg/l	200	600
9.	Sodium	APHA, 24 th Edition, 3500 Na, A+B	59.3	67.9	mg/l	--	--
10.	Residual free Chlorine	IS 3025 (Part 26) : 2021 Clause 7.0	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	0.2	1
11.	Phosphate	IS 3025 (Part 31)	*BLQ(**LOQ 0.02)	*BLQ(**LOQ 0.02)	mg/l	--	--
12.	Magnesium as Mg	APHA, 24 th Edition, 3500 Mg B, Calculation Method	15.85	18.90	mg/l	30	100
13.	Total Dissolved Solids	IS 3025 (Part 16) : 2023	510.0	625.0	mg/l	500	2000
14.	Sulphate as SO ₄	IS 3025 (Part 24/Sec 1) : 2022 Clause 5.0	31.8	37.8	mg/l	200	400
15.	Fluoride as F	APHA, 24 th Edition, 4500 F-D : 2023	0.31	0.43	mg/l	1.0	1.5
16.	Nitrate as NO ₃	IS 3025 (Part 34/Sec 1) : 2023 Clause 6.4	10.8	13.1	mg/l	45	No Relaxation
17.	Iron as Fe	APHA 24 th Edition, 3111 B, 2023	0.18	0.24	mg/l	1.0	No Relaxation
18.	Potassium	APHA 24 th Edition, 3500 K, A+B	5.48	8.17	mg/l	--	--
19.	Boron	APHA, 24 th Edition, 4500 B-C : 2023	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	0.5	2.4
20.	Hexavalent Chromium as Cr+6	APHA, 24 th Edition, 3500 Cr- B	*BLQ(**LOQ 0.02)	*BLQ(**LOQ 0.02)	mg/l	0.05	No Relaxation
21.	Nickel	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.01)	*BLQ(**LOQ 0.01)	mg/l	0.02	No Relaxation
22.	Electrical Conductivity	IS 3025 (Part 14)	795	990	µs/cm	--	--
23.	Zinc as Zn	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	5	15
24.	Copper as Cu	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.02)	*BLQ(**LOQ 0.02)	mg/l	0.05	1.5
25.	Cadmium as Cd	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.002)	*BLQ(**LOQ 0.002)	mg/l	0.003	No Relaxation
27.	Lead as Pb	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.005)	*BLQ(**LOQ 0.005)	mg/l	0.01	No Relaxation
28.	Total Coliform	IS 15185 : 2016, RA 2021	Absent	Absent	Per 100 ml	Shall not be Detectable in Any 100 ml sample	
29.	E. Coli	IS 15185 : 2016, RA 2021	Absent	Absent	Per 100 ml		

*BLQ-Below Limit of Quantification, **LOQ-Limit of Quantification.

Checked By

Approved & Certified EPA 1986 Recognized, ISO:9001 and OHSAS 18001 Certified



RK Yadav
Lab Incharge
Authorized Signatory

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Vibrant Techno Lab Pvt. Ltd.

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Sample Number: VTL/ W/05-06
Name & Address of the Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Koni-Simariya
Limestone Mine Village-Harduwaken Tehsil-
Amanganj PIN-488441 Dist-Panna

Sample Description: Ground Water

Sample Collected by: Vibrant Techno Lab Representative
Preservation: Suitable Preservation
Parameter Required: As Per Work Order
Sampling and Analysis Protocol: APHA 24th Edition 2023

Report No.: VTL/W/2411170047-48
Format No.: 7.9 F-01
Party Reference No.: NIL
Report Date: 25/11/2024

Period of Analysis: 17 to 25/11/2024
Receipt Date: 17/11/2024
Sampling Date: 16/11/2024
Sampling Quantity: 2.0Ltr.+ 250 ml
Sampling Type: Grab

S.No.	Parameters	Test Method	Maharajganj Village	Tighara Village	Unit	Limits of IS:10500-2012	
						Requirement (Acceptable Limits)	Permissible Limit in the Absence of Alternate Source
1.	pH (at 25°C)	IS 3025 (Part 11) : 2022	7.41	7.40	--	6.5 to 8.5	No Relaxation
2.	Colour	IS 3025 (Part 4) : 2021	*BLQ(**LOQ 1.0)	*BLQ(**LOQ 1.0)	Hazen	5	15
3.	Turbidity	IS 3025 (Part 10) : 2023	*BLQ(**LOQ 1.0)	*BLQ(**LOQ 1.0)	NTU	1	5
4.	Odour	IS 3025 (Part 5) : 2018	Agreeable	Agreeable	--	Agreeable	Agreeable
5.	Temperature	IS 3025 (Part 9) : 2023	24.3	24.4	--	--	--
6.	Total Hardness as CaCO ₃	IS 3025 (Part 21) : 2009, RA : 2019	172.0	195.0	mg/l	200	600
7.	Calcium as Ca	IS 3025 (Part 40) : 1991, RA : 2019	46.0	50.0	mg/l	75	200
8.	Alkalinity as CaCO ₃	IS 3025 (Part 23) : 2023	55.0	63.0	mg/l	200	600
9.	Sodium	APHA, 24 th Edition, 3500 Na, A+B	47.9	56.8	mg/l	--	--
10.	Residual free Chlorine	IS 3025 (Part 26) : 2021 Clause 7.0	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	0.2	1
11.	Phosphate	IS 3025 (Part 31)	*BLQ(**LOQ 0.02)	*BLQ(**LOQ 0.02)	mg/l	--	--
12.	Magnesium as Mg	APHA, 24 th Edition, 3500 Mg B, Calculation Method	13.91	17.07	mg/l	30	100
13.	Total Dissolved Solids	IS 3025 (Part 16) : 2023	576.0	615.0	mg/l	500	2000
14.	Sulphate as SO ₄	IS 3025 (Part 24/Sec 1) : 2022 Clause 5.0	51.8	59.7	mg/l	200	400
15.	Fluoride as F	APHA, 24 th Edition, 4500F-D : 2023	0.37	0.44	mg/l	1.0	1.5
16.	Nitrate as NO ₃	IS 3025 (Part 34/Sec 1) : 2023 Clause 6.4	13.52	16.51	mg/l	45	No Relaxation
17.	Iron as Fe	APHA 24 th Edition, 3111 B, 2023	0.17	0.25	mg/l	1.0	No Relaxation
18.	Potassium	APHA 24 th Edition, 3500 K, A+B	7.84	11.64	mg/l	--	--
19.	Boron	APHA, 24 th Edition, 4500 B-C : 2023	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	0.5	2.4
20.	Hexavalent Chromium as Cr+6	APHA, 24 th Edition, 3500 Cr- B	*BLQ(**LOQ 0.02)	*BLQ(**LOQ 0.02)	mg/l	0.05	No Relaxation
21.	Nickel	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.01)	*BLQ(**LOQ 0.01)	mg/l	0.02	No Relaxation
22.	Electrical Conductivity	IS 3025 (Part 14)	920	995	µs/cm	--	--
23.	Zinc as Zn	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	5	15
24.	Copper as Cu	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.02)	*BLQ(**LOQ 0.02)	mg/l	0.05	1.5
26.	Cadmium as Cd	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.002)	*BLQ(**LOQ 0.002)	mg/l	0.003	No Relaxation
27.	Lead as Pb	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.005)	*BLQ(**LOQ 0.005)	mg/l	0.01	No Relaxation
28.	Total Coliform	IS 15185 : 2016, RA 2021	Absent	Absent	Per 100 ml	Shall not be Detectable in Any 100 ml sample	
29.	E. Coli	IS 15185 : 2016, RA 2021	Absent	Absent			

*BLQ-Below Limit of Quantification, **LOQ-Limit of Quantification.

Checked By

Approved & Certified EPA 1986 Recognised, ISO:9001 and ISO:45001 Certified



RK Yadav
Lab Incharge
Authorized Signatory

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Sample Number: VTL/W/07-08
Name & Address of the Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Kool-Simariya
Limestone Mine Village-Hardwaken Tehsil-
Amanganj PIN-488441 Dist-Panna

Sample Description: Ground Water

Sample Collected by: Vibrant Techno Lab Representative
Preservation: Suitable Preservation
Parameter Required: As Per Work Order
Sampling and Analysis Protocol: APHA 24th Edition 2023

Report No.: VTL/W/2411170049-50
Format No.: 7.8F-01
Party Reference No.: NIL
Report Date: 25/11/2024

Period of Analysis: 17 to 25/11/2024
Receipt Date: 17/11/2024
Sampling Date: 16/11/2024
Sampling Quantity: 2.0Ltr.+ 250 ml
Sampling Type: Grab

S.No.	Parameters	Test-Method	Kholkarhiya Village	Garhi Karhiya Village	Unit	Limits of IS:10500-2012	
						Require-ment (Accepta-ble Limits)	Permissible Limit in the Absence of Alternate Source
1.	pH (at 25°C)	IS 3025 (Part 11) : 2022	7.38	7.43	--	6.5 to 8.5	No Relaxation
2.	Colour	IS 3025 (Part 4) : 2021	*BLQ(**LOQ 1.0)	*BLQ(**LOQ 1.0)	Hazen	5	15
3.	Turbidity	IS 3025 (Part 10) : 2023	*BLQ(**LOQ 1.0)	*BLQ(**LOQ 1.0)	NTU	1	5
4.	Odour	IS 3025 (Part 5) : 2018	Agreeable	Agreeable	--	Agreeable	Agreeable
5.	Temperature	IS 3025 (Part 9) : 2023	24.4	24.6	--	--	--
6.	Total Hardness as CaCO ₃	IS 3025 (Part 11) : 2009, RA : 2019	208.0	234.0	mg/l	200	600
7.	Calcium as Ca	IS 3025 (Part 40) : 1991, RA : 2019	55.0	60.0	mg/l	75	200
8.	Alkalinity as CaCO ₃	IS 3025 (Part 23) : 2023	64.0	87.5	mg/l	200	600
9.	Sodium	APHA, 24 th Edition, 3500 Na, A+B	51.7	59.3	mg/l	--	--
10.	Residual free Chlorine	IS 3025 (Part 26) : 2021 Clause 7.0	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	0.2	1
11.	Phosphate	IS 3025 (Part 31)	*BLQ(**LOQ 0.02)	*BLQ(**LOQ 0.02)	mg/l	--	--
12.	Magnesium as Mg	APHA, 24 th Edition, 3500 Mg B, Calculation Method	17.20	20.48	mg/l	30	100
13.	Total Dissolved Solids	IS 3025 (Part 16) : 2023	530.0	598.0	mg/l	500	2000
14.	Sulphate as SO ₄	IS 3025 (Part 24/Sec 1) : 2022 Clause 5.0	35.1	44.8	mg/l	200	400
15.	Fluoride as F	APHA, 24 th Edition, 4500F.D : 2023	0.39	0.49	mg/l	1.0	1.5
16.	Nitrate as NO ₃	IS 3025 (Part 34/Sec 1) : 2023 Clause 6.4	11.78	17.24	mg/l	45	No Relaxation
17.	Iron as Fe	APHA 24 th Edition, 3111 B, 2023	0.23	0.34	mg/l	1.0	No Relaxation
18.	Potassium	APHA 24 th Edition, 3500 K, A+B	7.82	10.38	mg/l	--	--
19.	Boron	APHA, 24 th Edition, 4500 B-C : 2023	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	0.5	2.4
20.	Hexavalent Chromium as Cr+6	APHA, 24 th Edition, 3500 Cr- B	*BLQ(**LOQ 0.02)	*BLQ(**LOQ 0.02)	mg/l	0.05	No Relaxation
21.	Nickel	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.01)	*BLQ(**LOQ 0.01)	mg/l	0.02	No Relaxation
22.	Electrical Conductivity	IS 3025 (Part 14)	840	920	µs/cm	--	--
23.	Zinc as Zn	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	5	15
24.	Copper as Cu	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.02)	*BLQ(**LOQ 0.02)	mg/l	0.05	1.5
25.	Cadmium as Cd	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.002)	*BLQ(**LOQ 0.002)	mg/l	0.003	No Relaxation
27.	Lead as Pb	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.005)	*BLQ(**LOQ 0.005)	mg/l	0.01	No Relaxation
28.	Total Coliform	IS 15185 : 2016, RA 2021	Absent	Absent	Per 100 ml	Shall not be Detectable in Any 100 ml sample	
29.	E. Coli	IS 15185 : 2016, RA 2021	Absent	Absent	Per 100 ml	Shall not be Detectable in Any 100 ml sample	

*BLQ-Below Limit of Quantification, **LOQ-Limit of Quantification.

Checked By

Approved & Certified EPA 1986 Recognised, ISO:9001 and ISO:45001 Certified



RK Yadav
Lab Incharge
Authorized Signatory

Sample Number: VTL/W/09-10
Name & Address of the Party: M/s JK Cement Works, Panna
 (A Unit Of JK Cement Ltd.) Koni-Simariya
 Limestone Mine Village-Harduwaken Tehsil-
 Amanganj PIN-488441 Dist-Panna

Sample Description: Ground Water

Sample Collected by: Vibrant Techno Lab Representative
Preservation: Suitable Preservation
Parameter Required: As Per Work Order
Sampling and Analysis Protocol: APHA 24th Edition 2023

Report No.: VTL/W/2411170051-52
Format No.: 7.8 F-01
Party Reference No.: NIL
Report Date: 25/11/2024

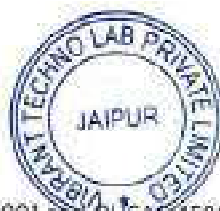
Period of Analysis: 17 to 25/11/2024
Receipt Date: 17/11/2024
Sampling Date: 16/11/2024
Sampling Quantity: 2.0Ltr. + 250 ml
Sampling Type: Grab

S.No	Parameters	Test-Method	Khamagnur Village	Doda Village	Unit	Limits of IS:10500-2012	
						Require-ment (Accepta-ble Limits)	Permissible Limit in the Absence of Alternate Source
1.	pH (at 25°C)	IS 3025 (Part 11) : 2022	7.27	7.35	--	6.5 to 8.5	No Relaxation
2.	Colour	IS 3025 (Part 4) : 2021	*BLQ(**LOQ 1.0)	*BLQ(**LOQ 1.0)	Hazen	5	15
3.	Turbidity	IS 3025 (Part 10) : 2023	*BLQ(**LOQ 1.0)	*BLQ(**LOQ 1.0)	NTU	1	5
4.	Odour	IS 3025 (Part 5) : 2018	Agreeable	Agreeable	--	Agreeable	Agreeable
5.	Temperature	IS 3025 (Part 9) : 2023	24.5	24.3	--	--	--
6.	Total Hardness as CaCO ₃	IS 3025 (Part 21) : 2009, RA : 2019	189.0	205.0	mg/l	200	600
7.	Calcium as Ca	IS 3025 (Part 40) : 1991, RA : 2019	43.0	49.0	mg/l	75	200
8.	Alkalinity as CaCO ₃	IS 3025 (Part 23) : 2023	68.0	73.1	mg/l	200	600
9.	Sodium	APHA, 24 th Edition, 3500 Na, A+B	52.4	63.7	mg/l	--	--
10.	Residual free Chlorine	IS 3025 (Part 26) : 2021 Clause 7.0	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	0.2	1
11.	Phosphate	IS 3025 (Part 31)	*BLQ(**LOQ 0.02)	*BLQ(**LOQ 0.02)	mg/l	--	--
12.	Magnesium as Mg	APHA, 24 th Edition, 3500 Mg B, Calculation Method	19.85	20.11	mg/l	30	100
13.	Total Dissolved Solids	IS 3025 (Part 16) : 2023	515.0	621.0	mg/l	500	2000
14.	Sulphate as SO ₄	IS 3025 (Part 24/Sec 1) : 2022 Clause 5.0	19.67	27.30	mg/l	200	400
15.	Fluoride as F	APHA, 24 th Edition, 4500F-D : 2023	0.34	0.41	mg/l	1.0	1.5
16.	Nitrate as NO ₃	IS 3025 (Part 34/Sec 1) : 2023 Clause 6.4	10.75	14.59	mg/l	45	No Relaxation
17.	Iron as Fe	APHA 24 th Edition, 3111 B, 2023	0.18	0.21	mg/l	1.0	No Relaxation
18.	Potassium	APHA 24 th Edition, 3500 K, A+B	6.27	9.68	mg/l	--	--
19.	Boron	APHA, 24 th Edition, 4500 B-C : 2023	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	0.5	2.4
20.	Hexavalent Chromium as Cr+6	APHA, 24 th Edition, 3500 Cr- B	*BLQ(**LOQ 0.02)	*BLQ(**LOQ 0.02)	mg/l	0.05	No Relaxation
21.	Nickel	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.01)	*BLQ(**LOQ 0.01)	mg/l	0.02	No Relaxation
22.	Electrical Conductivity	IS 3025 (Part 14)	815	985	µs/cm	--	--
23.	Zinc as Zn	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	5	15
24.	Copper as Cu	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.02)	*BLQ(**LOQ 0.02)	mg/l	0.05	1.5
26.	Cadmium as Cd	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.002)	*BLQ(**LOQ 0.002)	mg/l	0.003	No Relaxation
27.	Lead as Pb	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.005)	*BLQ(**LOQ 0.005)	mg/l	0.01	No Relaxation
28.	Total Coliform	IS 15185 : 2016, RA 2021	Absent	Absent	Per 100 ml	Shall not be Detectable in Any 100 ml sample	
29.	E. Coli	IS 15185 : 2016, RA 2021	Absent	Absent	Per 100 ml	Shall not be Detectable in Any 100 ml sample	

*BLQ-Below Limit of Quantification, **LOQ-Limit of Quantification.

Checked By

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified



RK Yadav
Lab Incharge
Authorized Signatory

Vibrant Techno Lab Pvt. Ltd.

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☎ 0141-2954638

✉ bd@vibranttechnolab.com

🌐 www.vibranttechnolab.com

Ref: JKCEMENT/ENV/EMR/2024-25/208/81

Date: 17.02.2025

To,
The Director
Impact Assessment Division (IA Division)
Ministry of Environment and Forest & Climate Change
Indira Paryavaran Bhawan, Jorbagh Road,
New Delhi-110003 INDIA.

Subject: Submission of Surface water & Ground Water Quality Analysis Reports for the month of January-2025 for Koni-Simariya Limestone Mine of M/s J K Cement Ltd. at Village(s)- Koni, Boda, Gudha, Maharaiganj, Ganjari, Vanbhai, Simariya, Devri, Pagra & Kuluwa Tehsil-Simariya, District Panna (M.P.)-488441.

Reference No.: EC No.-File No. J-11015/80/2020-IA, II (M) dated 01.11.2021

Dear Sir,

With reference to the aforesaid subject, please find herewith enclosed Surface water & Ground Water Quality Analysis Reports for the month of January-2025 for Koni-Simariya Limestone Mine of M/s J K Cement Ltd. at Village(s)- Koni, Boda, Gudha, Maharaiganj, Ganjari, Vanbhai, Simariya, Devri, Pagra & Kuluwa Tehsil-Simariya, District Panna (M.P.)-488441, for your kind information and record please.

Thanking You
Yours faithfully,

For J K Cement Ltd., Panna



Kapil Agrawal
(Unit Head)
Encl: As above

CC to:-

1. The Addl. Principal Chief Conservator of Forest (C) MoEF & CC, Regional Office (WZ), E-5, Kendriya Paryavaran Bhawan, E-5 Arera Colony, Link Road-3, Ravishankar Nagar, Bhopal-462036
2. Member Secretary, CGWA, Jamnagar House, 18/11, Man Singh Road Area, New Delhi, Delhi-110001
3. Regional Director, CGWB Regional Office, Block-1, 4th Floor, Paryawas Bhawan, Arera Hills, Bhopal
4. Scientist E, Regional Directorate, CPCB Zonal Office, Vithal Market, Paryavaran Parisar, E-5, Arera Colony, Bhopal, M.P.
5. Member Secretary, MPPCB, E-5, Link Road No. 3, Ekant Park, Arera Colony, Bhopal, M.P.
6. Regional Officer, Regional Office MPPCB, Pt. Deen Dayal Nagar, Housing Board Colony, Sagar, M.P.

Corporate Office

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Gwal Pahari, Gurgaon, Haryana - 122102, India
- +91-24-6919000
- adisa.pranli@jkcement.com
- www.jkcement.com
- CIN: L17229UP1994PLC017199



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Hawarpur (U.P.) | Balasore (Odisha) | Fujairah

Registered Office: Kamla Tower, Kanpur-208001, U.P., India. ☎ +91-512-2371478 to 85 ☎ +91-512-2399654 🌐 www.jkcement.com

Sample Number: VTL/SW/01-03
Name & Address of the Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Kalra- Panna Limestone Mines
Village: Hardwala Tehsil- Amanganj PIN-460441 Dist-
Panna
Sample Description: Surface Water
Sample Collected by: Vibrant Techno Lab Team
Preservation: Suitable Preservation
Parameter Required: As Per Work Order
Sampling Protocol: APHA 24th Edition 1060, 2023

Report No.: VTL/W/2501230030-32
Format No.: 7.8 F-01
Party Reference No.: NIL
Report Date: 28/01/2025
Period of Analysis: 23 to 28/01/2025
Receipt Date: 23/01/2025
Sampling Date: 17/01/2025
Sampling Quantity: 2.0Ltr + 250 ml
Sampling Type: Grab

S. No.	Parameter	Test Method	Pond Near Pagra Village	Ken River Near Tighra Village	Betwa Nalla Near Surajpur	Unit
Physical Parameters						
1.	pH (at 25 °C)	IS 3025 (P-11): 2022	7.58	7.49	7.20	—
2.	Colour	IS 3025(P-4): 2021	8	7	11	Hazen
3.	Turbidity	IS 3025 (P-10): 2023	15	18	12	NTU
Chemical Parameters (mg/l)						
4.	Total Hardness as CaCO ₃	IS: 3025 (P-21): 2009, RA: 2019	161.00	172.00	145.00	mg/l
5.	Alkalinity as CaCO ₃	IS: 3025 (P-23): 2023	75.00	64.00	52.00	mg/l
6.	Chloride as Cl	IS: 3025(Part 32):1988, RA:2019	49.12	38.54	29.98	mg/l
7.	Total Dissolved Solids	IS 3025 (P-16): 2023	420	490	370	mg/l
8.	Sulphate as SO ₄	IS: 3025 (P-24): Sec 1: 2022 (Clause 5.0)	18.42	22.64	14.27	mg/l
9.	Fluoride as F	APHA (24th Edition), 4500FD:2023	0.25	0.31	0.22	mg/l
10.	Nitrate as NO ₃	IS: 3025 (P-34): Sec 1: 2023 (Clause 6.4)	6.68	7.94	4.87	mg/l
11.	Iron as Fe	APHA (24th Edition), 3111B: 2023	0.28	0.27	0.25	mg/l
12.	Chromium as Cr+6	APHA (24th Edition), 3500 CR-B, 2023	*BLQ(**LOQ-0.05)	*BLQ(**LOQ-0.05)	*BLQ(**LOQ-0.05)	mg/l
13.	Phenolic Compounds	APHA 24th Edition, 2017, 5530 D, 2023	*BLQ(**LOQ-0.05)	*BLQ(**LOQ-0.05)	*BLQ(**LOQ-0.05)	mg/l
14.	Zinc as Zn	APHA (24th Edition), 3111B: 2023	0.41	0.48	0.35	mg/l
15.	Copper as Cu	APHA (24th Edition), 3111B: 2023	*BLQ(**LOQ-0.02)	*BLQ(**LOQ-0.02)	*BLQ(**LOQ-0.02)	mg/l
16.	Cadmium as Cd	APHA (24th Edition), 3111B: 2023	*BLQ(**LOQ-0.002)	*BLQ(**LOQ-0.002)	*BLQ(**LOQ-0.002)	mg/l
17.	Lead as Pb	APHA (24th Edition), 3111B: 2023	*BLQ(**LOQ-0.005)	*BLQ(**LOQ-0.005)	*BLQ(**LOQ-0.005)	mg/l
18.	Arsenic as As	APHA (24 th Edition), 3114C: 2023	*BLQ(**LOQ-0.005)	*BLQ(**LOQ-0.005)	*BLQ(**LOQ-0.005)	mg/l
19.	Mercury as Hg	APHA (24 th Edition), 3112 B: 2023	*BLQ(**LOQ-0.001)	*BLQ(**LOQ-0.001)	*BLQ(**LOQ-0.001)	mg/l
20.	Oil & Grease	IS:3025(P-39): 2021	*BLQ(**LOQ-4.0)	*BLQ(**LOQ-4.0)	*BLQ(**LOQ-4.0)	mg/l
21.	BOD (3days at 27°C)	IS:3025(P-44):2023	7.0	6.0	9.0	mg/l
22.	COD	IS:3025(P-58): 2023	36.0	30.0	42.0	mg/l
23.	DO	IS:3025(P-38):1989, RA:2019	7.8	6.4	5.8	mg/l
24.	TSS	IS:3025(P-17):2022	28	32	30	mg/l
Microbiological Parameters (MPN/100 ml)						
25.	Total Coliform	IS:15185: 2016	Present	Present	Present	Present t/Abso nt per 100 ml
26.	Faecal Coliform	APHA 24 th Edition, 9221-C :2023	Present	Present	Present	

Notes: *BLQ-Below Limit of Quantification, **LOQ- Limit of Quantification

End of the report

Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

Vibrant Techno Lab Pvt. Ltd.

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9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

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Sample Number:
Name & Address of the Party:

VTL/SW/04-06
M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Kakra - Panna Limestone Mines
Village-Hardwaken Tehsil-Amanganj PIN-488441 Dist-
Panna

Report No.:
Format No.:
Party Reference No.:
Report Date:
Period of Analysis:
Receipt Date:
Sampling Date:
Sampling Quantity:
Sampling Type:

VTL/W/2501230033-35
7.BF-01
NIL
28/01/2025
23 to 28/01/2025
23/01/2025
17/01/2025
2.0ltr.+ 250 ml
Grab

Sample Description:

Surface Water

Sample Collected by:

Vibrant Techno Lab Team

Preservation:

Suitable Preservation

Parameter Required:

As Per Work Order

Sampling Protocol:

APHA 24th Edition 1060, 2023

S. No.	Parameter	Test Method	Mirhasan River Near Amanganj	Ken River Near Singaura Village	Sonar River Near Village Santa	Unit
Physical Parameters						
1.	pH (at 25 °C)	IS 3025 (P-11): 2022	7.49	7.31	7.42	---
2.	Colour	IS 3025(P-4): 2021	10	8	11	Hazen
3.	Turbidity	IS 3025 (P-10): 2023	18	15	22	NTU
Chemical Parameters (mg/l)						
4.	Total Hardness as CaCO ₃	IS: 3025 (P-21): 2009, RA: 2019	166.00	132.00	151.00	mg/l
5.	Alkalinity as CaCO ₃	IS: 3025 (P-23): 2023	71.00	55.00	60.23	mg/l
6.	Chloride as Cl	IS: 3025(Part 32):1988, RA:2019	51.78	43.51	36.74	mg/l
7.	Total Dissolved Solids	IS 3025 (P-16): 2023	460	410	510	mg/l
8.	Sulphate as SO ₄	IS: 3025 (P-24): Sec.1 : 2022 (Clause 5.0)	17.24	15.40	22.54	mg/l
9.	Fluoride as F	APHA (24th Edition), 4500FD:2023	0.21	0.16	0.13	mg/l
10.	Nitrate as NO ₃	IS: 3025 (P-34): Sec 1: 2023 (Clause 6.4)	9.78	7.14	11.24	mg/l
11.	Iron as Fe	APHA (24th Edition), 3111B: 2023	0.23	0.19	0.29	mg/l
12.	Chromium as Cr+6	APHA (24th Edition), 3500 CR-B, 2023	*BLQ(**LOQ-0.05)	*BLQ(**LOQ-0.05)	*BLQ(**LOQ-0.05)	mg/l
13.	Phenolic Compounds	APHA 24th Edition, 2017, 5530 D :2023	*BLQ(**LOQ-0.05)	*BLQ(**LOQ-0.05)	*BLQ(**LOQ-0.05)	mg/l
14.	Zinc as Zn	APHA (24th Edition), 3111B: 2023	0.34	0.28	0.38	mg/l
15.	Copper as Cu	APHA (24th Edition), 3111B: 2023	*BLQ(**LOQ-0.02)	*BLQ(**LOQ-0.02)	*BLQ(**LOQ-0.02)	mg/l
16.	Cadmium as Cd	APHA (24th Edition), 3111B: 2023	*BLQ(**LOQ-0.002)	*BLQ(**LOQ-0.002)	*BLQ(**LOQ-0.002)	mg/l
17.	Lead as Pb	APHA (24th Edition), 3111B: 2023	*BLQ(**LOQ-0.005)	*BLQ(**LOQ-0.005)	*BLQ(**LOQ-0.005)	mg/l
18.	Arsenic as As	APHA (24 th Edition), 3114C, 2023	*BLQ(**LOQ-0.005)	*BLQ(**LOQ-0.005)	*BLQ(**LOQ-0.005)	mg/l
19.	Mercury as Hg	APHA (24 th Edition) 3112 B, 2023	*BLQ(**LOQ-0.001)	*BLQ(**LOQ-0.001)	*BLQ(**LOQ-0.001)	mg/l
20.	Oil & Grease	IS:3025(P-39): 2021	*BLQ(**LOQ-4.0)	*BLQ(**LOQ-4.0)	*BLQ(**LOQ-4.0)	mg/l
21.	BOD (3 days at 27°C)	IS:3025(P-44):2023	10.4	7.0	11.0	mg/l
22.	COD	IS:3025(P-58):2023	42.0	32.0	51.0	mg/l
23.	DO	IS:3025(P-38):1989, RA:2019	6.7	5.6	7.3	mg/l
24.	TSS	IS:3025(P-17):2022	30	42	34	mg/l
Microbiological Parameters (MPN/100ML)						
25.	Total Coliform	IS:15185: 2016	Present	Present	Present	Present
26.	Faecal Coliform	APHA 24 th Edition, 9221-C:2023	Present	Present	Present	Present / Absent per 100 ml

Note: - *BLQ-Below Limit of Quantification, **LOQ- Limit of Quantification

End of the report

Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

Vibrant Techno Lab Pvt. Ltd.

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Sample Number: VTL/SW/07-08
Name & Address of the Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Kakra- Panna Limestone Mines
Village-Hardwahan Tahsil-Amanganj PIN-480441 Dist-
Panna
Sample Description: Surface Water
Sample Collected by: Vibrant Techno Lab Team
Preservation: Suitable Preservation
Parameter Required: As Per Work Order
Sampling Protocol: APHA 24th Edition 1060, 2023

Report No.: VTL/W/2501230036-38
Format No.: 7.0 F-01
Party Reference No.: NIL
Report Date: 20/01/2025
Period of Analysis: 23 to 28/01/2025
Receipt Date: 23/01/2025
Sampling Date: 17/01/2025
Sampling Quantity: 2.0ltr+ 250 ml
Sampling Type: Grab

S. No.	Parameter	Test Method	Pond Near Chidhla Village	Pond Near Umri Village	Nala Near Deora Village	Unit
Physical Parameters						
1.	pH (at 25 °C)	IS 3025 (P-11): 2022	7.34	7.22	7.41	—
2.	Colour	IS 3025(P-4): 2021	8	10	12	Hazen
3.	Turbidity	IS 3025 (P-10): 2023	20	18	24	NTU
Chemical Parameters (mg/l)						
4.	Total Hardness as CaCO ₃	IS: 3025 (P-21): 2009, RA: 2019	130.00	147.00	250.00	mg/l
5.	Alkalinity as CaCO ₃	IS: 3025 (P-23): 2023	78.35	52.86	63.59	mg/l
6.	Chloride as Cl	IS: 3025(Part 32):1988, RA:2019	61.87	47.50	58.12	mg/l
7.	Total Dissolved Solids	IS 3025 (P-16): 2023	470	355	492	mg/l
8.	Sulphate as SO ₄	IS: 3025 (P-24): Sec.1 : 2022 (Clause 5.0)	18.30	15.24	20.15	mg/l
9.	Fluoride as F	APHA (24th Edition), 4500FD:2023	0.25	0.19	0.28	mg/l
10.	Nitrate as NO ₃	IS: 3025 (P-34): Sec 1: 2023 (Clause 6.4)	14.52	10.41	17.21	mg/l
11.	Iron as Fe	APHA (24th Edition), 3111B: 2023	0.31	0.25	0.37	mg/l
12.	Chromium as Cr+6	APHA (24th Edition), 3500 CR-B, 2023	*BLQ(**LOQ-0.05)	*BLQ(**LOQ-0.05)	*BLQ(**LOQ-0.05)	mg/l
13.	Phenolic Compounds	APHA 24th Edition, 2017, 3530 D :2023	*BLQ(**LOQ-0.05)	*BLQ(**LOQ-0.05)	*BLQ(**LOQ-0.05)	mg/l
14.	Zinc as Zn	APHA (24th Edition), 3111B: 2023	0.37	0.25	0.41	mg/l
15.	Copper as Cu	APHA (24th Edition), 3111B: 2023	*BLQ(**LOQ-0.02)	*BLQ(**LOQ-0.02)	*BLQ(**LOQ-0.02)	mg/l
16.	Cadmium as Cd	APHA (24th Edition), 3111B: 2023	*BLQ(**LOQ-0.002)	*BLQ(**LOQ-0.002)	*BLQ(**LOQ-0.002)	mg/l
17.	Lead as Pb	APHA (24th Edition), 3111B: 2023	*BLQ(**LOQ-0.005)	*BLQ(**LOQ-0.005)	*BLQ(**LOQ-0.005)	mg/l
18.	Arsenic as As	APHA (24 th Edition), 3114C, 2023	*BLQ(**LOQ-0.005)	*BLQ(**LOQ-0.005)	*BLQ(**LOQ-0.005)	mg/l
19.	Mercury as Hg	APHA (24 th Edition) 3112 B, 2023	*BLQ(**LOQ-0.001)	*BLQ(**LOQ-0.001)	*BLQ(**LOQ-0.001)	mg/l
20.	Oil & Grease	IS:3025(P-39): 2021	*BLQ(**LOQ-4.0)	*BLQ(**LOQ-4.0)	*BLQ(**LOQ-4.0)	mg/l
21.	BOD (3 days at 27°C)	IS:3025(P-44):2023	10.0	9.0	7.0	mg/l
22.	COD	IS:3025(P-58):2023	46.0	43.0	33.0	mg/l
23.	DO	IS:3025(P-30):1989, RA:2019	7.1	7.8	8.2	mg/l
24.	TSS	IS:3025(P-17):2022	42	38	32	mg/l
Microbiological Parameters (NPN/100ML)						
25.	Total Coliform	IS:15185: 2016	Present	Present	Present	Present
26.	Faecal Coliform	APHA 24 th Edition , 9221-C:2023	Present	Present	Present	Present / Absent t per 100 ml

Note: - *BLQ- Below Limit of Quantification, **LOQ- Limit of Quantification

End of the report

Checked By



RK Yadav
Lab Incharge
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Sample Number: VTL/SW/01-03
Name & Address of the Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Bakra- Panna Limestone Mines
Village-Hardewaken Tehsil-Amanganj PIN-489441 Dist-
Panna
Sample Description: Surface Water
Sample Collected by: Vibrant Techno Lab Team
Preservation: Suitable Preservation
Parameter Required: As Per Work Order
Sampling Protocol: APHA 24th Edition 1060, 2023

Report No.: VTL/W/2501230039-41
Format No.: 7.0 P-01
Party Reference No.: NIL
Report Date: 28/01/2025
Period of Analysis: 23 to 28/01/2025
Receipt Date: 23/01/2025
Sampling Date: 17/01/2025
Sampling Quantity: 1.0Ltr.+ 250 ml
Sampling Type: Grab

S. No.	Parameter	Test Method	Pond Near Amanganj	Berma River Near Galsabad Village	Pond Paradna Village	Unit
Physical Parameters						
1.	pH (at 25 °C)	IS 3025 (P-11): 2022	7.42	7.32	7.58	—
2.	Colour	IS 3025(P-4): 2021	8	10	16	Hazen
3.	Turbidity	IS 3025 (P-10): 2023	12	18	14	NTU
Chemical Parameters (mg/l)						
4.	Total Hardness as CaCO ₃	IS: 3025 (P-21): 2009, RA: 2019	210.00	179.00	195.00	mg/l
5.	Alkalinity as CaCO ₃	IS: 3025 (P-23): 2023	87.00	79.00	91.00	mg/l
6.	Chloride as Cl	IS: 3025(Part 32):1988, RA:2019	51.49	48.52	43.78	mg/l
7.	Total Dissolved Solids	IS 3025 (P-16): 2023	445	399	510	mg/l
8.	Sulphate as SO ₄	IS: 3025 (P-24): Sec.1: 2022 (Clause 5.0)	21.53	12.94	24.78	mg/l
9.	Fluoride as F	APHA (24th Edition), 4500FD 2023	0.28	0.22	0.36	mg/l
10.	Nitrate as NO ₃	IS: 3025 (P-34): Sec 1: 2023 (Clause 6.4)	11.83	13.64	16.29	mg/l
11.	Iron as Fe	APHA (24th Edition), 3111B: 2023	0.30	0.25	0.37	mg/l
12.	Chromium as Cr+6	APHA (24th Edition), 3500 CR-B, 2023	*BLQ(**LOQ-0.05)	*BLQ(**LOQ-0.05)	*BLQ(**LOQ-0.05)	mg/l
13.	Phenolic Compounds	APHA 24th Edition, 2017, 5530 D -2023	*BLQ(**LOQ-0.05)	*BLQ(**LOQ-0.05)	*BLQ(**LOQ-0.05)	mg/l
14.	Zinc as Zn	APHA (24th Edition), 3111B: 2023	0.36	0.28	0.43	mg/l
15.	Copper as Cu	APHA (24th Edition), 3111B: 2023	*BLQ(**LOQ-0.02)	*BLQ(**LOQ-0.02)	*BLQ(**LOQ-0.02)	mg/l
16.	Cadmium as Cd	APHA (24th Edition), 3111B: 2023	*BLQ(**LOQ-0.002)	*BLQ(**LOQ-0.002)	*BLQ(**LOQ-0.002)	mg/l
17.	Lead as Pb	APHA (24th Edition), 3111B: 2023	*BLQ(**LOQ-0.005)	*BLQ(**LOQ-0.005)	*BLQ(**LOQ-0.005)	mg/l
18.	Arsenic as As	APHA (24 th Edition), 3111C, 2023	*BLQ(**LOQ-0.005)	*BLQ(**LOQ-0.005)	*BLQ(**LOQ-0.005)	mg/l
19.	Mercury as Hg	APHA (24 th Edition) 3112 B, 2023	*BLQ(**LOQ-0.001)	*BLQ(**LOQ-0.001)	*BLQ(**LOQ-0.001)	mg/l
20.	Oil & Grease	IS:3025(P-39):2021	*BLQ(**LOQ-4.0)	*BLQ(**LOQ-4.0)	*BLQ(**LOQ-4.0)	mg/l
21.	BOD (3 days at 27°C)	IS:3025(P-44):2023	6.9	4.9	6.2	mg/l
22.	COD	IS:3025(P-58):2023	51.0	38.0	28.0	mg/l
23.	DO	IS:3025(P-38):1989, RA:2019	6.7	7.3	7.9	mg/l
24.	TSS	IS:3025(P-17):2022	35	29	40	mg/l
Microbiological Parameters (MPN/100ML)						
25.	Total Coliform	IS:15185: 2016	Present	Present	Present	Present/ Absent per 100 ml
26.	Faecal Coliform	APHA 24 th Edition, 9221-C :2023	Present	Present	Present	

Notes:- *BLQ-Below Limit of Quantification, **LOQ- Limit of Quantification

Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

Vibrant Techno Lab Pvt. Ltd.

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Sample Number: VTL/SW/01
Name & Address of the Party: M/s JK Cement Works, Panna
 (A Unit Of JK Cement Ltd.) Koni-Simariya
 Limestone Mine Village-Harduwaken Tehsil-
 Amanganj PIN-488441 Dist-Panna
Sample Description: Surface Water
Sample Collected by: Vibrant Techno Lab Team
Preservation: Suitable Preservation
Parameter Required: As Per Work Order
Sampling Protocol: APHA 24th Edition 1060, 2023

Report No.: VTL/W/2501230051
Format No.: 7.8 F-01
Party Reference No.: NIL
Report Date: 28/01/2025
Period of Analysis: 23 to 28/01/2025
Receipt Date: 23/01/2025
Sampling Date: 18/01/2025
Sampling Quantity: 2.0ltr.+ 250 ml
Sampling Type: Grab

S. No.	Parameter	Test Method	Run Off Water Koni Mine Pit -01	Unit
Physical Parameters				
1.	pH (at 25 °C)	IS 3025 (P-11): 2022	7.42	---
2.	Colour	IS 3025(P-4): 2021	8	Hazen
3.	Turbidity	IS 3025 (P-10): 2023	15	NTU
Chemical Parameters (mg/l)				
4.	Total Hardness as CaCO ₃	IS: 3025 (P-21): 2009, RA: 2019	142.00	mg/l
5.	Alkalinity as CaCO ₃	IS: 3025 (P-23): 2023	61.00	mg/l
6.	Chloride as Cl	IS: 3025(Part 32)-1988, RA:2019	52.0	mg/l
7.	Total Dissolved Solids	IS 3025 (P-16): 2023	420.0	mg/l
8.	Sulphate as SO ₄	IS: 3025 (P-24): Sec.1: 2022 (Clause 5.0)	14.21	mg/l
9.	Fluoride as F	APHA (24th Edition), 4500FD:2023	0.28	mg/l
10.	Nitrate as NO ₃	IS: 3025 (P-34): Sec 1: 2023 (Clause 6.4)	7.14	mg/l
11.	Iron as Fe	APHA (24th Edition), 3111B: 2023	0.23	mg/l
12.	Chromium as Cr+6	APHA (24th Edition), 3500 CR-8, 2023	*BLQ(**LOQ-0.05)	mg/l
13.	Phenolic Compounds	APHA 24th Edition, 2017, 5530 D: 2023	*BLQ(**LOQ-0.05)	mg/l
14.	Zinc as Zn	APHA (24th Edition), 3111B: 2023	0.38	mg/l
15.	Copper as Cu	APHA (24th Edition), 3111B: 2023	*BLQ(**LOQ-0.02)	mg/l
16.	Cadmium as Cd	APHA (24th Edition), 3111B: 2023	*BLQ(**LOQ-0.002)	mg/l
17.	Lead as Pb	APHA (24th Edition), 3111B: 2023	*BLQ(**LOQ-0.005)	mg/l
18.	Arsenic as As	APHA (24 th Edition), 3114C:2023	*BLQ(**LOQ-0.005)	mg/l
19.	Mercury as Hg	APHA (24 th Edition) 3112 B:2023	*BLQ(**LOQ-0.001)	mg/l
20.	Oil & Grease	IS:3025(P-39): 2021	*BLQ(**LOQ-4.0)	mg/l
21.	BOD (3days at 27°C)	IS:3025(P-44):2023	7.12	mg/l
22.	COD	IS:3025(P-58):2023	36.0	mg/l
23.	DO	IS:3025(P-38):1989, RA:2019	5.6	mg/l
24.	TSS	IS:3025(P-17):2022	38.0	mg/l
Microbiological Parameters(MPN/100ML)				
25.	Total Coliform	IS:15185: 2016	Present	Present/Absent per 100 ml
26.	Faecal Coliform	APHA 24 th Edition, 9221-C:2023	Present	

Note: - *BLQ-Below Limit of Quantification, **LOQ- Limit of Quantification
 End of the report

Checked By



RK Yadav
Lab Incharge
Authorized Signatory

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Vibrant Techno Lab Pvt. Ltd.

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Sample Number: VTL/SW/02
Name & Address of the Party: M/s JK Cement Works, Panna
 (A Unit Of JK Cement Ltd.) Koni-Simariya
 Limestone Mine Village-Harduwaken Tehsil-
 Amanganj PIN-488441 Dist-Panna
Sample Description: Surface Water
Sample Collected by: Vibrant Techno Lab Team
Preservation: Suitable Preservation
Parameter Required: As Per Work Order
Sampling Protocol: APHA 24th Edition 1060, 2023

Report No.: VTL/W/2501230052
Format No.: 7.8 F-01
Party Reference No.: NIL
Report Date: 28/01/2025
Period of Analysis: 23 to 28/01/2025
Receipt Date: 23/01/2025
Sampling Date: 18/01/2025
Sampling Quantity: 2.0Ltr. + 250 ml
Sampling Type: Grab

S. No.	Parameter	Test Method	Run Off Water-Koni Mine Pit -02	Unit
Physical Parameters				
1.	pH (at 25 °C)	IS 3025 (P-11): 2022	7.46	--
2.	Colour	IS 3025(P-4): 2021	6	Hazen
3.	Turbidity	IS 3025 (P-10): 2023	17	NTU
Chemical Parameters (mg/l)				
4.	Total Hardness as CaCO ₃	IS: 3025 (P-21): 2009 RA: 2019	138.00	mg/l
5.	Alkalinity as CaCO ₃	IS: 3025 (P-23): 2023	51.00	mg/l
6.	Chloride as Cl	IS: 3025(Part 32):1988, RA:2019	42.0	mg/l
7.	Total Dissolved Solids	IS 3025 (P-16): 2023	450.0	mg/l
8.	Sulphate as SO ₄	IS: 3025 (P-24): Sec.1 : 2022 (Clause 5.0)	13.26	mg/l
9.	Fluoride as F	APHA (24th Edition), 4500FD:2023	0.23	mg/l
10.	Nitrate as NO ₃	IS: 3025 (P-34): Sec 1: 2023 (Clause 6.4)	7.48	mg/l
11.	Iron as Fe	APHA (24th Edition), 3111B: 2023	0.26	mg/l
12.	Chromium as Cr+6	APHA (24th Edition), 3500 CR-B: 2023	*BLQ(**LOQ-0.05)	mg/l
13.	Phenolic Compounds	APHA 24th Edition, 2017, 5530 D: 2023	*BLQ(**LOQ-0.05)	mg/l
14.	Zinc as Zn	APHA (24th Edition), 3111B: 2023	0.41	mg/l
15.	Copper as Cu	APHA (24th Edition), 3111B: 2023	*BLQ(**LOQ-0.02)	mg/l
16.	Cadmium as Cd	APHA (24th Edition), 3111B: 2023	*BLQ(**LOQ-0.002)	mg/l
17.	Lead as Pb	APHA (24th Edition), 3111B: 2023	*BLQ(**LOQ-0.005)	mg/l
18.	Arsenic as As	APHA (24 th Edition), 3114C: 2023	*BLQ(**LOQ-0.005)	mg/l
19.	Mercury as Hg	APHA (24 th Edition) 3112 B: 2023	*BLQ(**LOQ-0.001)	mg/l
20.	Oil & Grease	IS:3025(P-39): 2021	*BLQ(**LOQ-4.0)	mg/l
21.	BOD (3days at 27°C)	IS:3025(P-44):2023	6.12	mg/l
22.	COD	IS:3025(P-58):2023	30.0	mg/l
23.	DO	IS:3025(P-38):1989, RA:2019	6.1	mg/l
24.	TSS	IS:3025(P-17):2022	32.0	mg/l
Microbiological Parameters (MPN/100ML)				
25.	Total Coliform	IS:15185: 2016	Present	Present/Absent per 100 ml
26.	Faecal Coliform	APHA 24 th Edition, 9221-C: 2023	Present	

Note: - *BLQ-Below Limit of Quantification, **LOQ- Limit of Quantification
 End of the report

Checked By



RK Yadav
Lab Incharge
Authorized Signatory

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Sample Number:
Name & Address of the Party:

VTL/W/01
M/s JK Cement Works, Paana
(A Unit Of JK Cement Ltd.) Koni-Simariya
Limestone Mine Village-Hardwaken Tehsil-
Amanganj PIN-488441 Dist-Paana
Ground Water

Sample Description:

Sample Collected by:
Preservation:
Parameter Required:
Sampling Protocol:

Vibrant Techno Lab Representative
Suitable Preservation
As Per Work Order
APHA 24th Edition 1060, 2023

Report No.: VTL/W/2501230042
Format No.: 7.8 F-01
Party Reference No.: NIL
Report Date: 28/01/2025
Period of Analysis: 23 to 28/01/2025
Receipt Date: 23/01/2025
Sampling Date: 18/01/2025
Sampling Quantity: 2.0Ltr.+ 250 ml
Sampling Type: Grab

S.No.	Parameters	Test-Method	Koni Mine (Borewell) Near Mine Office	Unit	Limits of IS:10500-2012	
					Requirement (Acceptable Limits)	Permissible Limit in the Absence of Adequate Source
1.	pH (at 25°C)	IS 3025 (Part 11) : 2022	7.36	--	6.5 to 8.5	No Relaxation
2.	Colour	IS 3025 (Part 4) : 2021	*BLQ(**LOQ 1.0)	Hazen	5	15
3.	Turbidity	IS 3025 (Part 10) : 2023	*BLQ(**LOQ 1.0)	NTU	1	5
4.	Odour	IS 3025 (Part 5) : 2018	Agreeable	--	Agreeable	Agreeable
5.	Temperature	IS 3025 (Part 9) : 2023	24.5	--	--	--
6.	Total Hardness as CaCO ₃	IS 3025 (Part 21) : 2009, RA : 2019	226.0	mg/l	200	600
7.	Calcium as Ca	IS 3025 (Part 40) : 2024	53.0	mg/l	75	200
8.	Alkalinity as CaCO ₃	IS 3025 (Part 23) : 2023	88.0	mg/l	200	600
9.	Sodium	APHA, 24 th Edition, 3500 Na, 2023	73.6	mg/l	--	--
10.	Residual free Chlorine	IS 3025 (Part 26) : 2021 Clause 7.0	*BLQ(**LOQ 0.2)	mg/l	0.2	1
11.	Phosphate	IS 3025 (Part 31)	*BLQ(**LOQ 0.2)	mg/l	--	--
12.	Magnesium as Mg	IS 3025 (Part 46):2023	22.79	mg/l	30	100
13.	Total Dissolved Solids	IS 3025 (Part 16) : 2023	648.0	mg/l	500	2000
14.	Sulphate as SO ₄	IS 3025 (Part 24/Sec 1) : 2022 Clause 5.0	9.87	mg/l	200	400
15.	Fluoride as F	APHA, 24 th Edition, 4500 F-D : 2023	0.41	mg/l	1.0	1.5
16.	Nitrate as NO ₃	IS 3025 (Part 34/Sec 1) : 2023 Clause 6.4	17.52	mg/l	45	No Relaxation
17.	Iron as Fe	APHA 24 th Edition, 3111 B, 2023	0.24	mg/l	1.0	No Relaxation
18.	Potassium	APHA 24 th Edition, 3500 K, 2023	9.68	mg/l	--	--
19.	Barium	APHA, 24 th Edition, 4500 B-C : 2023	*BLQ(**LOQ 0.2)	mg/l	0.5	2.1
20.	Hexavalent Chromium as Cr+6	APHA, 24 th Edition, 3500 Cr-B:2023	*BLQ(**LOQ 0.05)	mg/l	0.05	No Relaxation
21.	Nickel	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.01)	mg/l	0.02	No Relaxation
22.	Electrical Conductivity	IS 3025 (Part 14):2013 RA:2019	890	µs/cm	--	--
23.	Zinc as Zn	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.2)	mg/l	5	15
24.	Copper as Cu	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.02)	mg/l	0.05	1.5
26.	Cadmium as Cd	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.002)	mg/l	0.003	No Relaxation
27.	Lead as Pb	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.005)	mg/l	0.01	No Relaxation
28.	Total Coliform	IS 15185 : 2016	Absent	Per 100 ml	Shall not be Detectable in Any 100 ml sample	
29.	E. Coli	IS 15185 : 2016	Absent			

*BLQ-Below Limit of Quantification, **LOQ-Limit of Quantification.

Checked By



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Sample Number: VTL/W/02-03
Name & Address of the Party: M/s)JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Koni-Simariya
Limestone Mine Village-Hardwaken Tehsil-
Amanganj PIN-480441 Dist-Panna

Report No.: VTL/W/2501230043-44
Format No.: 7.8 F-01
Party Reference No.: NIL
Report Date: 28/01/2025

Sample Description: Ground Water

Period of Analysis: 23 to 28/01/2025

Sample Collected by: Vibrant Techno Lab Representative
Preservation: Suitable Preservation
Parameter Required: As Per Work Order
Sampling Protocol: APHA 24th Edition 1060, 2023

Receipt Date: 23/01/2025
Sampling Date: 18/01/2025
Sampling Quantity: 2.0Ltr.+ 250 ml
Sampling Type: Grab

S.No.	Parameters	Test Method	Simariya Village	Sunwani Kalan Village	Units	Limits of IS:10500-2012	
						Requirement (Acceptable Limits)	Permissible Limit in the Absence of Alternate Source
1.	pH (at 25°C)	IS 3025 (Part 11) : 2022	7.35	7.42	--	6.5 to 8.5	No Relaxation
2.	Colour	IS 3025 (Part 4) : 2021	*BLQ(**LOQ 1.0)	*BLQ(**LOQ 1.0)	Hazen	5	15
3.	Turbidity	IS 3025 (Part 10) : 2023	*BLQ(**LOQ 1.0)	*BLQ(**LOQ 1.0)	NTU	1	5
4.	Odour	IS 3025 (Part 5) : 2018	Agreeable	Agreeable	--	Agreeable	Agreeable
5.	Temperature	IS 3025 (Part 9) : 2023	24.4	24.6	--	--	--
6.	Total Hardness as CaCO ₃	IS 3025 (Part 21) : 2009, RA : 2019	208.0	232.0	mg/l	200	600
7.	Calcium as Ca	IS 3025 (Part 40) : 2024	52.0	55.0	mg/l	75	200
8.	Alkalinity as CaCO ₃	IS 3025 (Part 23) : 2023	88.0	92.7	mg/l	200	600
9.	Sodium	APHA, 24 th Edition, 3500 Na, 2023	73.4	82.1	mg/l	--	--
10.	Residual free Chlorine	IS 3025 (Part 26) : 2021 Clause 7.0	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	0.2	1
11.	Phosphate	IS 3025 (Part 31)	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	--	--
12.	Magnesium as Mg	IS 3025 (Part 46) : 2023	19.02	22.03	mg/l	38	100
13.	Total Dissolved Solids	IS 3025 (Part 16) : 2023	640.0	721.0	mg/l	500	2000
14.	Sulphate as SO ₄	IS 3025 (Part 24/Sec 1) : 2022 Clause 5.0	34.52	47.82	mg/l	200	400
15.	Fluoride as F	APHA, 24 th Edition, 4500 F-D : 2023	0.36	0.40	mg/l	1.0	1.5
16.	Nitrate as NO ₃	IS 3025 (Part 34/Sec 1) : 2023 Clause 6.4	16.7	21.4	mg/l	45	No Relaxation
17.	Iron as Fe	APHA 24 th Edition, 3111 B, 2023	0.27	0.33	mg/l	1.0	No Relaxation
18.	Potassium	APHA 24 th Edition, 3500 K, 2023	7.59	10.10	mg/l	--	--
19.	Boron	APHA, 24 th Edition, 4500 B-C : 2023	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	0.5	2.4
20.	Hexavalent Chromium as Cr ₆₊	APHA, 24 th Edition, 3500 Cr-B, 2023	*BLQ(**LOQ 0.05)	*BLQ(**LOQ 0.05)	mg/l	0.05	No Relaxation
21.	Nickel	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.01)	*BLQ(**LOQ 0.01)	mg/l	0.02	No Relaxation
22.	Electrical Conductivity	IS 3025 (Part 14) : 2013 RA-2019	980	1130	µs/cm	--	--
23.	Zinc as Zn	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	5	15
24.	Copper as Cu	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.02)	*BLQ(**LOQ 0.02)	mg/l	0.05	1.5
26.	Cadmium as Cd	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.002)	*BLQ(**LOQ 0.002)	mg/l	0.003	No Relaxation
27.	Lead as Pb	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.005)	*BLQ(**LOQ 0.005)	mg/l	0.01	No Relaxation
28.	Total Coliform	IS 15185 : 2016	Absent	Absent	Per 100 ml	Shall not be Detectable in Any 100 ml sample	
29.	E. Coli	IS 15185 : 2016	Absent	Absent	Per 100 ml	Shall not be Detectable in Any 100 ml sample	

*BLQ-Below Limit of Quantification, **LOQ-Limit of Quantification.

Checked By



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Lab Incharge
Authorized Signatory

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Sample Number: VTL/ W/05-06
Name & Address of the Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Kori-Simariya
Limestone Mine Village-Harduwaken Tehsil-
Amanganj PIN-488441 Dist-Panna

Report No.: VTL/W/2501230045-46
Format No.: 7.8 F-01
Party Reference No.: NIL
Report Date: 28/01/2025

Sample Description: Ground Water

Period of Analysis: 13 to 28/01/2025

Sample Collected by: Vibrant Techno Lab Representative
Preservation: Suitable Preservation
Parameter Required: As Per Work Order
Sampling Protocol: APHA 24th Edition 1060, 2023

Receipt Date: 23/01/2025
Sampling Date: 18/01/2025
Sampling Quantity: 2.0Ltr.+ 250 ml
Sampling Type: Grab

S.No.	Parameters	Test-Method	Maharajganj village	Tighara Village	Unit	Limits of IS:10500-2012	
						Requirement (Acceptable Limits)	Permissible Limit in the Absence of Alternate Source
1.	pH (at 25°C)	IS 3025 (Part 11) : 2022	7.38	7.44	--	6.5 to 8.5	No Relaxation
2.	Colour	IS 3025 (Part 4) : 2021	*BLQ(**LOQ 1.0)	*BLQ(**LOQ 1.0)	Hazen	5	15
3.	Turbidity	IS 3025 (Part 10) : 2023	*BLQ(**LOQ 1.0)	*BLQ(**LOQ 1.0)	NTU	1	5
4.	Odour	IS 3025 (Part 5) : 2018	Agreeable	Agreeable	--	Agreeable	Agreeable
5.	Temperature	IS 3025 (Part 9) : 2023	24.5	24.3	--	--	--
6.	Total Hardness as CaCO ₃	IS 3025 (Part 21) : 2009, RA : 2019	196.0	211.0	mg/l	200	600
7.	Calcium as Ca	IS 3025 (Part 40) : 2024	48.0	56.0	mg/l	75	200
8.	Alkalinity as CaCO ₃	IS 3025 (Part 23) : 2023	66.0	71.0	mg/l	200	600
9.	Sodium	APHA, 24 th Edition, 3500 Na, 2023	55.6	59.7	mg/l	--	--
10.	Residual free Chlorine	IS 3025 (Part 26) : 2021 Clause 7.0	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	0.2	1
11.	Phosphate	IS 3025 (Part 31)	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	--	--
12.	Magnesium as Mg	IS 3025 (Part 16) : 2023	18.53	17.32	mg/l	30	100
13.	Total Dissolved Solids	IS 3025 (Part 16) : 2023	650.0	746.0	mg/l	500	2000
14.	Sulphate as SO ₄	IS 3025 (Part 24/Sec 1) : 2022 Clause 5.0	58.2	68.7	mg/l	200	400
15.	Fluoride as F	APHA, 24 th Edition, 4500 F-O : 2023	0.39	0.51	mg/l	1.0	1.5
16.	Nitrate as NO ₃	IS 3025 (Part 34/Sec 1) : 2023 Clause 6.4	15.42	19.87	mg/l	45	No Relaxation
17.	Iron as Fe	APHA 24 th Edition, 3111 B, 2023	0.21	0.30	mg/l	1.0	No Relaxation
18.	Potassium	APHA 24 th Edition, 3500 K, 2023	9.84	14.16	mg/l	--	--
19.	Boron	APHA, 24 th Edition, 4500 B-C : 2023	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	0.5	2.4
20.	Hexavalent Chromium as Cr+6	APHA, 24 th Edition, 3500 Cr-B, 2023	*BLQ(**LOQ 0.05)	*BLQ(**LOQ 0.05)	mg/l	0.05	No Relaxation
21.	Nickel	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.01)	*BLQ(**LOQ 0.01)	mg/l	0.02	No Relaxation
22.	Electrical Conductivity	IS 3025 (Part 14) : 2013 RA:2019	1050	1180	µs/cm	--	--
23.	Zinc as Zn	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	5	15
24.	Copper as Cu	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.02)	*BLQ(**LOQ 0.02)	mg/l	0.05	1.5
25.	Cadmium as Cd	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.002)	*BLQ(**LOQ 0.002)	mg/l	0.003	No Relaxation
26.	Lead as Pb	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.005)	*BLQ(**LOQ 0.005)	mg/l	0.01	No Relaxation
27.	Total Coliform	IS 15185 : 2016	Absent	Absent	Per 100 ml	Shall not be Detectable in Any 100 ml sample	
28.	E. Coli	IS 15185 : 2016	Absent	Absent	Per 100 ml	Shall not be Detectable in Any 100 ml sample	

*BLQ-Below Limit of Quantification, **LOQ-Limit of Quantification.

Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

Vibrant Techno Lab Pvt. Ltd.

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☎ 0141-2954638

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Sample Number: VTL/ W/07-08
Name & Address of the Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Ront-Simariya
Limestone Mine Village-Harduwaken Tehsil-
Amanganj PIN-488441 Dist-Panna

Report No.: VTL/W/2501230047-48
Format No.: 7.8 F-01
Party Reference No.: NIL
Report Date: 28/01/2025

Sample Description: Ground Water

Period of Analysis: 23 to 28/01/2025

Sample Collected by: Vibrant Techno Lab Representative

Receipt Date: 23/01/2025

Preservation:

Sampling Date: 18/01/2025

Parameter Required:

Sampling Quantity: 2.0Ltr.+ 250 ml

Sampling Protocol:

As Per Work Order
APHA 24th Edition 1060, 2023

S.No.	Parameters	Test-Method	Kholkarhiya Village	Garhi Karhiya Village	Unit	Limits of IS:10500-2012	
						Require ment (Accepta ble Limits)	Permissible Limit in the Absence of Alternate Source
1.	pH (at 25°C)	IS 3025 (Part 11) : 2022	7.36	7.40	--	6.5 to 8.5	No Relaxation
2.	Colour	IS 3025 (Part 4) : 2021	*BLQ(**LOQ 1.0)	*BLQ(**LOQ 1.0)	Rosen	5	15
3.	Turbidity	IS 3025 (Part 10) : 2023	*BLQ(**LOQ 1.0)	*BLQ(**LOQ 1.0)	NTU	1	5
4.	Odour	IS 3025 (Part 5) : 2018	Agreeable	Agreeable	--	Agreeabl e	Agreeable
5.	Temperature	IS 3025 (Part 9) : 2023	24.5	24.4	--	--	--
6.	Total Hardness as CaCO ₃	IS 3025 (Part 21) : 2009, RA : 2019	221.0	248.0	mg/l	200	600
7.	Calcium as Ca	IS 3025 (Part 40) : 2024	57.0	63.0	mg/l	75	200
8.	Alkalinity as CaCO ₃	IS 3025 (Part 23) : 2023	68.7	91.1	mg/l	200	600
9.	Sodium	APHA, 24 th Edition, 3500 Na-2023	56.9	75.4	mg/l	--	--
10.	Residual free Chlorine	IS 3025 (Part 26) : 2021 Clause 7.0	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	0.2	1
11.	Phosphate	IS 3025 (Part 31)	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	--	--
12.	Magnesium as Mg	IS 3025 (Part 46):2023	19.14	22.07	mg/l	30	100
13.	Total Dissolved Solids	IS 3025 (Part 16) :2023	670.0	745.0	mg/l	500	2000
14.	Sulphate as SO ₄	IS 3025 (Part 24/Sec 1) : 2022 Clause 5.0	42.8	53.1	mg/l	200	400
15.	Fluoride as F	APHA, 24 th Edition, 4500F-D : 2023	0.40	0.54	mg/l	1.0	1.5
16.	Nitrate as NO ₃	IS 3025 (Part 34/Sec 1) : 2023 Clause 6.4	16.54	21.32	mg/l	45	No Relaxation
17.	Iron as Fe	APHA 24 th Edition, 3111 B, 2023	0.26	0.38	mg/l	1.0	No Relaxation
18.	Potassium	APHA 24 th Edition, 3500 K, 2023	9.15	12.35	mg/l	--	--
19.	Boron	APHA, 24 th Edition, 4500 B-C : 2023	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	0.5	2.4
20.	Hexavalent Chromium as Cr+6	APHA, 24 th Edition, 3500 Cr-B-2023	*BLQ(**LOQ 0.05)	*BLQ(**LOQ 0.05)	mg/l	0.05	No Relaxation
21.	Nickel	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.01)	*BLQ(**LOQ 0.01)	mg/l	0.02	No Relaxation
22.	Electrical Conductivity	IS 3025 (Part 14):2013 RA:2019	1050	1175	µs/cm	--	--
23.	Zinc as Zn	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	5	15
24.	Copper as Cu	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.02)	*BLQ(**LOQ 0.02)	mg/l	0.05	1.5
26.	Cadmium as Cd	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.002)	*BLQ(**LOQ 0.002)	mg/l	0.003	No Relaxation
27.	Lead as Pb	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.005)	*BLQ(**LOQ 0.005)	mg/l	0.01	No Relaxation
28.	Total Coliform	IS 15185 : 2016	Absent	Absent	Per 100 ml	Shall not be Detectable in Any 100 ml sample	
29.	E. Coli	IS 15185 : 2016	Absent	Absent	Per 100 ml		

*BLQ-Below Limit of Quantification, **LOQ-Limit of Quantification.

Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Approved & Certified EPA 1986 Recognised, ISO-9001 and OHSAS:45001 Certified

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Sample Number: VTL/W/09-10
Name & Address of the Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Koni-Simariya
Limestone Mine Village-Harduwake Tehsil-
Amanganj PIN-488441 Dist-Panna

Report No.: VTL/W/2301230049-50
Format No.: 7.8F-01
Party Reference No.: NIL
Report Date: 28/01/2025

Sample Description: Ground Water

Period of Analysis: 23 to 28/01/2025

Sample Collected by: Vibrant Techno Lab Representative

Receipt Date: 23/01/2025

Preservation: Suitable Preservation

Sampling Date: 18/01/2025

Parameter Required: As Per Work Order

Sampling Quantity: 2.0Ltr. + 250 ml

Sampling Protocol: APHA 24th Edition 1060, 2023

Sampling Type: Grab

S.No.	Parameters	Test-Method	Khamgaon Village	Boda Village	Unit	Limits of IS:10500-2012	
						Require ment (Accepta ble Limits)	Permissible Limit in the Absence of Alternate Source
1.	pH (at 25°C)	IS 3025 (Part 11) : 2022	7.32	7.38	—	6.5 to 8.5	No Relaxation
2.	Colour	IS 3025 (Part 4) : 2021	*BLQ(**LOQ 1.0)	*BLQ(**LOQ 1.0)	Hazen	5	15
3.	Turbidity	IS 3025 (Part 10) : 2023	*BLQ(**LOQ 1.0)	*BLQ(**LOQ 1.0)	NTU	1	5
4.	Odour	IS 3025 (Part 5) : 2018	Agreeable	Agreeable	—	Agreeabl e	Agreeable
5.	Temperature	IS 3025 (Part 9) : 2023	24.4	24.5	—	—	—
6.	Total Hardness as CaCO ₃	IS 3025 (Part 21) : 2009, RA : 2019	238.0	256.0	mg/l	200	600
7.	Calcium as Ca	IS 3025 (Part 40) : 2024	53.4	58.9	mg/l	75	200
8.	Alkalinity as CaCO ₃	IS 3025 (Part 23) : 2023	75.5	81.3	mg/l	200	600
9.	Sodium	APHA, 24 th Edition, 3500 Na, 2023	67.2	77.9	mg/l	—	—
10.	Residual free Chlorine	IS 3025 (Part 26) : 2021, Clause 7.0	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	0.2	1
11.	Phosphate	IS 3025 (Part 31)	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	—	—
12.	Magnesium as Mg	IS 3025 (Part 46):2023	26.03	26.50	mg/l	30	100
13.	Total Dissolved Solids	IS 3025 (Part 16) : 2023	680.0	778.0	mg/l	500	2000
14.	Sulphate as SO ₄	IS 3025 (Part 24/Sec 1) : 2022 Clause 5.0	21.34	33.12	mg/l	200	400
15.	Fluoride as F	APHA, 24 th Edition, 4500 F.D : 2023	0.37	0.44	mg/l	1.0	1.5
16.	Nitrate as NO ₃	IS 3025 (Part 34/Sec 1) : 2023 Clause 6.4	13.24	17.25	mg/l	45	No Relaxation
17.	Iron as Fe	APHA 24 th Edition, 3111 B, 2023	0.22	0.26	mg/l	1.0	No Relaxation
18.	Potassium	APHA 24 th Edition, 3500 K, 2023	8.61	10.42	mg/l	—	—
19.	Boron	APHA, 24 th Edition, 4500 B-C : 2023	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	0.5	2.4
20.	Hexavalent Chromium as Cr+6	APHA, 24 th Edition, 3500 Cr-B:2023	*BLQ(**LOQ 0.05)	*BLQ(**LOQ 0.05)	mg/l	0.05	No Relaxation
21.	Nickel	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.01)	*BLQ(**LOQ 0.01)	mg/l	0.02	No Relaxation
22.	Electrical Conductivity	IS 3025 (Part 14):2013 RA:2019	1090	1220	µs/cm	—	—
23.	Zinc as Zn	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	5	15
24.	Copper as Cu	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.02)	*BLQ(**LOQ 0.02)	mg/l	0.05	1.5
25.	Cadmium as Cd	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.002)	*BLQ(**LOQ 0.002)	mg/l	0.003	No Relaxation
27.	Lead as Pb	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.005)	*BLQ(**LOQ 0.005)	mg/l	0.01	No Relaxation
28.	Total Coliform	IS 15185 : 2016	Absent	Absent	Per 100 ml	Shall not be Detectable in Any 100 ml sample	
29.	E. Coli	IS 15185 : 2016	Absent	Absent	Per 100 ml	Shall not be Detectable in Any 100 ml sample	

*BLQ-Below Limit of Quantification, **LOQ-Limit of Quantification.

Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

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Annexure-9

Run off Water Test Report

Sample Number: VTL/SW/01
Name & Address of the Party: M/s JK Cement Works, Panna
 (A Unit Of JK Cement Ltd.) Konl-Simariya
 Limestone Mine Village-Harduwaken Tehsil-
 Amanganj PIN-480441 Dist-Panna
Sample Description: Surface Water
Sample Collected by: Vibrant Techno Lab Team
Preservation: Suitable Preservation
Parameter Required: As Per Work Order
Sampling and Analysis Protocol: APHA 24th Edition 2023

Report No.: VTL/W/2411170042
Format No.: 7.9 F-01
Party Reference No.: NIL
Report Date: 25/11/2024
Period of Analysis: 17 to 25/11/2024
Receipt Date: 17/11/2024
Sampling Date: 16/11/2024
Sampling Quantity: 2.0Ltr.+ 250 ml
Sampling Type: Grab

S. No.	Parameter	Test Method	Run Off Water Konl Mine Pit-01	Unit
Physical Parameters				
1.	pH (at 25 °C)	IS 3025 (P-11): 2022	7.47	--
2.	Colour	IS 3025(P-4): 2021	6	Hazen
3.	Turbidity	IS 3025 (P-10): 2023	12	NTU
Chemical Parameters (mg/l)				
4.	Total Hardness as CaCO ₃	IS: 3025 (P-21): 2009, RA: 2019	136.00	mg/l
5.	Alkalinity as CaCO ₃	IS: 3025 (P-23): 2023	57.00	mg/l
6.	Chloride as Cl	IS: 3025(Part 32):1988, RA:2019	48.0	mg/l
7.	Total Dissolved Solids	IS 3025 (P-16): 2023	390.0	mg/l
8.	Sulphate as SO ₄	IS: 3025 (P-24): Sec.1: 2022	12.78	mg/l
9.	Fluoride as F	APHA (23 rd Edition), 4500FD:2017	0.26	mg/l
10.	Nitrate as NO ₃	IS: 3025 (P-34): 1988,(Chromotropic Method) Sec. 4 RA: 2022	5.43	mg/l
11.	Iron as Fe	APHA (23 rd Edition),3113B: 2017	0.21	mg/l
12.	Chromium as Cr+6	APHA (23 rd Edition),3500 CR-B	*BLQ(**LOQ-0.05)	mg/l
13.	Phenolic Compounds	APHA 23 rd Edition,2017, 5530 C	*BLQ(**LOQ-0.001)	mg/l
14.	Zinc as Zn	APHA (23 rd Edition),3111 B: 2017	0.35	mg/l
15.	Copper as Cu	APHA (23 rd Edition),3111 B: 2017	*BLQ(**LOQ-0.02)	mg/l
16.	Cadmium as Cd	APHA (23 rd Edition),3111 B: 2017	*BLQ(**LOQ-0.002)	mg/l
17.	Lead as Pb	APHA (23 rd Edition),3111 B: 2017	*BLQ(**LOQ-0.005)	mg/l
18.	Arsenic as As	APHA (23 rd Edition),3114C,2017	*BLQ(**LOQ-0.005)	mg/l
19.	Mercury as Hg	APHA (23 rd Edition)3112 B,2017	*BLQ(**LOQ-0.001)	mg/l
20.	Oil & Grease	IS:3025(P-39)	*BLQ(**LOQ-4.0)	mg/l
21.	BOD (3days at 27°C)	IS:3025(P-44):1993, RA:2019	6.45	mg/l
22.	COD	IS:3025(P-58):2006, RA:2017	30.0	mg/l
23.	DO	IS:3025(P-38):1989, RA:2019	6.3	mg/l
24.	TSS	IS:3025(P-17):2021	70.0	mg/l
Microbiological Parameters				
25.	Total Coliform	IS:15185: 2016	Present	Present/Absent per 100 ml
26.	Faecal Coliform	IS:15185: 2016	Present	

Note: - *BLQ-Below Limit of Quantification, **LOQ- Limit of Quantification
 End of the report

Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

Vibrant Techno Lab Pvt. Ltd.

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☎ 0141-2954638

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 🌐 www.vibranttechnolab.com

Sample Number: VTL/SW/01
Name & Address of the Party: M/s JK Cement Works, Panna
 (A Unit Of JK Cement Ltd.) Koni-Simariya
 Limestone Mine Village-Harduwaken Tehsil-
 Amanganj PIN-488441 Dist-Panna
Sample Description: Surface Water
Sample Collected by: Vibrant Techno Lab Team
Preservation: Suitable Preservation
Parameter Required: As Per Work Order
Sampling and Analysis Protocol: APHA 24th Edition 2023

Report No.: VTL/W/2411170043
Format No.: 7.8 F-01
Party Reference No.: NIL
Report Date: 25/11/2024
Period of Analysis: 17 to 25/11/2024
Receipt Date: 17/11/2024
Sampling Date: 16/11/2024
Sampling Quantity: 2.0Ltr.+ 250 ml
Sampling Type: Grab

S. No.	Parameter	Test Method	Run Off Water Koni Mine Pit -02	Unit
Physical Parameters				
1.	pH (at 25 °C)	IS 3025 (P-11): 2022	7.41	--
2.	Colour	IS 3025(P-4): 2021	4	Hazen
3.	Turbidity	IS 3025 (P-10): 2023	10	NTU
Chemical Parameters (mg/l)				
4.	Total Hardness as CaCO ₃	IS: 3025 (P-21): 2009, RA: 2019	124.00	mg/l
5.	Alkalinity as CaCO ₃	IS: 3025 (P-23): 2023	47.00	mg/l
6.	Chloride as Cl	IS: 3025(Part 32):1988, RA:2019	36.0	mg/l
7.	Total Dissolved Solids	IS 3025 (P-16): 2023	340.0	mg/l
8.	Sulphate as SO ₄	IS: 3025 (P-24): Sec.1 : 2022	9.82	mg/l
9.	Fluoride as F	APHA (23 rd Edition), 4500FD:2017	0.15	mg/l
10.	Nitrate as NO ₃	IS: 3025 (P-34): 1988,(Chromotropic Method) Sec. 4 RA: 2022	4.89	mg/l
11.	Iron as Fe	APHA (23 rd Edition),3113B: 2017	0.19	mg/l
12.	Chromium as Cr+6	APHA (23 rd Edition),3500 CR-B	*BLQ(**LOQ-0.05)	mg/l
13.	Phenolic Compounds	APHA 23 rd Edition,2017, 5530 C	*BLQ(**LOQ-0.001)	mg/l
14.	Zinc as Zn	APHA (23 rd Edition),3111 B: 2017	0.36	mg/l
15.	Copper as Cu	APHA (23 rd Edition),3111 B: 2017	*BLQ(**LOQ-0.02)	mg/l
16.	Cadmium as Cd	APHA (23 rd Edition),3111 B: 2017	*BLQ(**LOQ-0.002)	mg/l
17.	Lead as Pb	APHA (23 rd Edition),3111 B: 2017	*BLQ(**LOQ-0.005)	mg/l
18.	Arsenic as As	APHA (23 rd Edition),3114C,2017	*BLQ(**LOQ-0.005)	mg/l
19.	Mercury as Hg	APHA (23 rd Edition)3112 B,2017	*BLQ(**LOQ-0.001)	mg/l
20.	Oil & Grease	IS:3025(P-39)	*BLQ(**LOQ-4.0)	mg/l
21.	BOD (3days at 27°C)	IS:3025(P-44):1993, RA:2019	5.58	mg/l
22.	COD	IS:3025(P-58):2006, RA:2017	25.0	mg/l
23.	DO	IS:3025(P-38):1989, RA:2019	7.2	mg/l
24.	TSS	IS:3025(P-17):2021	60.0	mg/l
Microbiological Parameters				
25.	Total Coliform	IS:15185: 2016	Present	Present/Absent per 100 ml
26.	Faecal Coliform	IS:15185: 2016	Present	

Note: - *BLQ-Below Limit of Quantification, **LOQ- Limit of Quantification
 End of the report

Checked By 



RK Yadav
 Lab Incharge
 Authorized Signatory 

Approved & Certified EPA 1986 Recognized, ISO:9001 and OHSAS:45001 Certified

Vibrant Techno Lab Pvt. Ltd.

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Sample Number: VTL/SW/01
Name & Address of the Party: M/s JK Cement Works, Panna
 (A Unit Of JK Cement Ltd.) Koni-Simariya
 Limestone Mine Village-Harduwaken Tehsil-
 Amanganj PIN-488441 Dist-Panna
Sample Description: Surface Water
Sample Collected by: Vibrant Techno Lab Team
Preservation: Suitable Preservation
Parameter Required: As Per Work Order
Sampling Protocol: APHA 24th Edition 1060, 2023

Report No.: VTL/W/2501230051
Format No.: 7.8 F-01
Party Reference No.: NIL
Report Date: 28/01/2025
Period of Analysis: 23 to 28/01/2025
Receipt Date: 23/01/2025
Sampling Date: 18/01/2025
Sampling Quantity: 2.0Ltr.+ 250 ml
Sampling Type: Grab

S. No.	Parameter	Test Method	Run Off Water Koni Mine Pit-01	Unit
Physical Parameters				
1.	pH (at 25 °C)	IS 3025 (P-11): 2022	7.42	--
2.	Colour	IS 3025(P-4): 2021	8	Hazen
3.	Turbidity	IS 3025 (P-10): 2023	15	NTU
Chemical Parameters (mg/l)				
4.	Total Hardness as CaCO ₃	IS: 3025 (P-21): 2009, RA: 2019	142.00	mg/l
5.	Alkalinity as CaCO ₃	IS: 3025 (P-23): 2023	61.00	mg/l
6.	Chloride as Cl	IS: 3025(Part 32):1988, RA:2019	52.0	mg/l
7.	Total Dissolved Solids	IS 3025 (P-16): 2023	420.0	mg/l
8.	Sulphate as SO ₄	IS: 3025 (P-24): Sec.1 : 2022 (Clause 5.0)	14.21	mg/l
9.	Fluoride as F	APHA (24th Edition), 4500FD:2023	0.28	mg/l
10.	Nitrate as NO ₃	IS: 3025 (P-34): Ser 1: 2023 (Clause 6.4)	7.14	mg/l
11.	Iron as Fe	APHA (24th Edition), 3111B: 2023	0.23	mg/l
12.	Chromium as Cr+6	APHA (24th Edition), 3500 CR-B, 2023	*BLQ(**LOQ-0.05)	mg/l
13.	Phenolic Compounds	APHA 24th Edition, 2017, 5530 D:2023	*BLQ(**LOQ-0.05)	mg/l
14.	Zinc as Zn	APHA (24th Edition), 3111B: 2023	0.38	mg/l
15.	Copper as Cu	APHA (24th Edition), 3111B: 2023	*BLQ(**LOQ-0.02)	mg/l
16.	Cadmium as Cd	APHA (24th Edition), 3111B: 2023	*BLQ(**LOQ-0.002)	mg/l
17.	Lead as Pb	APHA (24th Edition), 3111B: 2023	*BLQ(**LOQ-0.005)	mg/l
18.	Arsenic as As	APHA (24 th Edition), 3114C, 2023	*BLQ(**LOQ-0.005)	mg/l
19.	Mercury as Hg	APHA (24 th Edition) 3112 B, 2023	*BLQ(**LOQ-0.001)	mg/l
20.	Oil & Grease	IS:3025(P-39):2021	*BLQ(**LOQ-4.0)	mg/l
21.	BOD (3days at 27°C)	IS:3025(P-44):2023	7.12	mg/l
22.	COD	IS:3025(P-58):2023	36.0	mg/l
23.	DO	IS:3025(P-38):1989, RA:2019	5.6	mg/l
24.	TSS	IS:3025(P-17):2022	38.0	mg/l
Microbiological Parameters(MPN/100ML)				
25.	Total Coliform	IS:15185: 2016	Present	Present/Absent per 100 ml
26.	Faecal Coliform	APHA 24 th Edition , 9221-C:2023	Present	

Note: - *BLQ-Below Limit of Quantification, **LOQ- Limit of Quantification
 End of the report

Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

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Sample Number: VTL/SW/02
Name & Address of the Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Koni-Simariya
Limestone Mine Village-Hardwaken Tehsil-
Amanganj PIN-488441 Dist-Panna
Sample Description: Surface Water
Sample Collected by: Vibrant Techno Lab Team
Preservation: Suitable Preservation
Parameter Required: As Per Work Order
Sampling Protocol: APHA 24th Edition 1060, 2023

Report No.: VTL/W/2501230052
Format No.: 7.8 F-01
Party Reference No.: NIL
Report Date: 28/01/2025
Period of Analysis: 23 to 28/01/2025
Receipt Date: 23/01/2025
Sampling Date: 18/01/2025
Sampling Quantity: 2.0Ltr.+ 250 ml
Sampling Type: Grab

S. No.	Parameter	Test Method	Run Off Water Koni Mine Pit-02	Unit
Physical Parameters				
1.	pH (at 25 °C)	IS 3025 (P-11): 2022	7.46	--
2.	Colour	IS 3025(P-4): 2021	5	Hazen
3.	Turbidity	IS 3025 (P-10): 2023	17	NTU
Chemical Parameters (mg/l)				
4.	Total Hardness as CaCO ₃	IS: 3025 (P-21): 2009 RA: 2019	138.00	mg/l
5.	Alkalinity as CaCO ₃	IS: 3025 (P-23): 2023	51.00	mg/l
6.	Chloride as Cl	IS: 3025(Part 32):1988, RA:2019	42.0	mg/l
7.	Total Dissolved Solids	IS 3025 (P-16): 2023	450.0	mg/l
8.	Sulphate as SO ₄	IS: 3025 (P-24): Sec.1 : 2012 (Clause 5.0)	13.26	mg/l
9.	Fluoride as F	APHA (24th Edition), 4500FD:2023	0.23	mg/l
10.	Nitrate as NO ₃	IS: 3025 (P-34): Sec 1: 2023 (Clause 6.4)	7.48	mg/l
11.	Iron as Fe	APHA (24th Edition), 3111B: 2023	0.26	mg/l
12.	Chromium as Cr+6	APHA (24th Edition), 3500 CR-B, 2023	*BLQ(**LOQ-0.05)	mg/l
13.	Phenolic Compounds	APHA 24th Edition, 2017, 5530 D: 2023	*BLQ(**LOQ-0.05)	mg/l
14.	Zinc as Zn	APHA (24th Edition), 3111B: 2023	0.41	mg/l
15.	Copper as Cu	APHA (24th Edition), 3111B: 2023	*BLQ(**LOQ-0.02)	mg/l
16.	Cadmium as Cd	APHA (24th Edition), 3111B: 2023	*BLQ(**LOQ-0.002)	mg/l
17.	Lead as Pb	APHA (24th Edition), 3111B: 2023	*BLQ(**LOQ-0.005)	mg/l
18.	Arsenic as As	APHA (24 th Edition), 3114C, 2023	*BLQ(**LOQ-0.005)	mg/l
19.	Mercury as Hg	APHA (24 th Edition) 3112 B, 2023	*BLQ(**LOQ-0.001)	mg/l
20.	Oil & Grease	IS:3025(P-39):2021	*BLQ(**LOQ-4.0)	mg/l
21.	BOD (3days at 27°C)	IS:3025(P-44):2023	6.12	mg/l
22.	COD	IS:3025(P-58):2023	30.0	mg/l
23.	DO	IS:3025(P-38):1989, RA:2019	6.1	mg/l
24.	TSS	IS:3025(P-17):2022	32.0	mg/l
Microbiological Parameters (MPN/100ML)				
25.	Total Coliform	IS:15185: 2015	Present	Present/Absent per 100 ml
26.	Faecal Coliform	APHA 24 th Edition , 9221-C:2023	Present	

Note: - *BLQ-Below Limit of Quantification, **LOQ- Limit of Quantification
End of the report

Checked By



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Lab Incharge
Authorized Signatory

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Vibrant Techno Lab Pvt. Ltd.

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☎ 0141-2954638
✉ bd@vibranttechnolab.com
🌐 www.vibranttechnolab.com

Annexure-10

Work Zone Noise Report

Sample Number:	VTL/WZN/01	Report No.:	VTL/WZN/2411170026-30
Name & Address of the Party:	M/s JK Cement Works, Panna (A Unit Of JK Cement Ltd.) Koni-Simariya Limestone Mine Village-Harduwaken Tehsil-Amanganj PIN-488441 Dist-Panna	Format No.:	7.8 F 04
Sample Description:	Work Zone Noise	Party Reference No.:	NIL
Scope of Monitoring	Regulatory Requirement	Report Date:	25/11/2024
Protocol Used:	IS 9989: IS 9876	Receipt Date:	17/11/2024
Instrument Used	SLM	Sampling Duration	30 Min.
		Sample Collected by	VTL Team
		Instrument Calibration Status	Calibrated

General Information:-

Instrument Code	: VTL/SLM/04
Meteorological condition during monitoring	: Clear sky
Date of Monitoring	: 14-15/11/2024
Ambient Temperature (°C)	: Min 31°C Average
Surrounding Activity	: Human & Mining Activity
Parameter Required	: Leq

Sr.No.	Test Parameter	Protocol	Result	Unit	Limit
1.	Drill Operator Cabin	IS:9989,IS 9876:1981	75.6	dB(A)	90.0
2.	Exavatore Operator Cabin	IS:9989,IS 9876:1981	82.1	dB(A)	90.0
3.	Dumpar Operator Cabin	IS:9989,IS 9876:1981	73.4	dB(A)	90.0
4.	Crusher Operator Cabin	IS:9989,IS 9876:1981	78.1	dB(A)	90.0
5.	Weigh Bridge Operator Cabin	IS:9989,IS 9876:1981	69.3	dB(A)	90.0

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Lab Incharge
Authorized Signatory

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0141-2954638
bd@vibranttechnolab.com
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Sample Number:	VTL/WZN/01	Report No.:	VTL/WZN/2503010026-30
Name & Address of the Party:	M/s JK Cement Works, Panna (A Unit Of JK Cement Ltd.) Koni-Simariya Limestone Mine Village-Hardwaken Tehsil-Amanganj PIN-488441 Dist-Panna	Format No.:	7.8 F 04
		Party Reference No.:	NIL
Sample Description:	Work Zone Noise	Report Date:	05/03/2025
Scope of Monitoring	Regulatory Requirement	Receipt Date:	01/03/2025
Protocol Used:	IS 9989: IS 9876	Sampling Duration	30 Min.
Instrument Used	SLM	Sample Collected by	VTL Team
		Instrument Calibration Status	Calibrated

General Information:-

Instrument Code	: VTL/SLM/04
Meteorological condition during monitoring	: Clear sky
Date of Monitoring	: 18-19/02/2025
Ambient Temperature (°C)	: Min 31°C Average
Surrounding Activity	: Human & Mining Activity
Parameter Required	: Leq

Sr.No.	Test Parameter	Protocol	Result	Unit	Limit
1.	Drill Operator Cabin	IS:9989,IS 9876:1981	78.6	dB(A)	90.0
2.	Exavatore Operator Cabin	IS:9989,IS 9876:1981	81.2	dB(A)	90.0
3.	Dumpar Operator Cabin	IS:9989,IS 9876:1981	76.9	dB(A)	90.0
4.	Crusher Operator Cabin	IS:9989,IS 9876:1981	80.5	dB(A)	90.0
5.	Weigh Bridge Operator Cabin	IS:9989,IS 9876:1981	76.4	dB(A)	90.0

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Annexure-11

Awareness Program Ban of Single Use Plastic (SUP)

Awareness on Plastic Waste Campaign in nearby School's & Village of dated 04.06.2024

Village Name	Photo
Koni Village	 

Awareness on Plastic Waste Campaign in nearby School of dated 29.08.2024

School Name	Photo
Puraina School	   

Awareness on Plastic Waste Campaign in nearby School of dated 30.08.2024

School Name	Photo
Boda School	
	
	 <div data-bbox="593 1289 750 1401">  </div> <div data-bbox="761 1294 1310 1401"> <p>Boda, Madhya Pradesh, India Bus Stand, 05, Boda, Madhya Pradesh 486442, India Lat 24.317129 Long 79.942811 30/08/24 12:33 PM GMT +05:30</p> </div>
	 <div data-bbox="1355 1289 1512 1401">  </div> <div data-bbox="1523 1294 2072 1401"> <p>Boda, Madhya Pradesh, India Bus Stand, 05, Boda, Madhya Pradesh 486442, India Lat 24.317108 Long 79.942867 30/08/24 12:34 PM GMT +05:30</p> </div>

Awareness on Plastic Waste Campaign in nearby School of dated 31.08.2024

School Name	Photo
Pagra School	 <p>Pagra, Madhya Pradesh, India 8V55+37G, Pagra, Madhya Pradesh 488442, India Lat 24.307762 Long 79.858109 31/08/24 12:54 PM GMT +05:30</p>
	 <p>Pagra, Madhya Pradesh, India 8V55+37G, Pagra, Madhya Pradesh 488442, India Lat 24.307964 Long 79.858237 31/08/24 12:54 PM GMT +05:30</p>
	
	 <p>Pagra, Madhya Pradesh, India 8V55+37G, Pagra, Madhya Pradesh 488442, India Lat 24.307765 Long 79.858282 31/08/24 01:08 PM GMT +05:30</p>

Awareness on Plastic Waste Campaign in nearby School of dated 04.09.2024

School Name	Photo
Kamtana School	 <p>Kamtana, Madhya Pradesh, India 8XQ6+3FP, Kamtana, Madhya Pradesh 485441, India Lat 24.367976° Long 79.958871° 04/09/24 12:00 PM GMT +05:30</p>
	 <p>Kamtana, Madhya Pradesh, India 8XQ6+3FP, Kamtana, Madhya Pradesh 485441, India Lat 24.367976° Long 79.958871° 04/09/24 12:08 PM GMT +05:30</p>
	 <p>Kamtana, Madhya Pradesh, India 8XQ6+3FP, Kamtana, Madhya Pradesh 485441, India Lat 24.367976° Long 79.958871° 04/09/24 12:31 PM GMT +05:30</p>
	 <p>Kamtana, Madhya Pradesh, India 8XQ6+675, Kamtana, Madhya Pradesh 485441, India Lat 24.367992° Long 79.968383° 04/09/24 12:52 PM GMT +05:30</p>

Annexure-12

Fugitive Dust Emission Reports

Sample Number: VTL/FD/01
Name & Address of the Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Koni-Simariya
Limestone Mine Village-Harduwaken
Tehsil-Amanganj PIN-488441 Dist-Panna

Report No.: VTL/FD/2411170014
Format No.: 7.8 F 02
Party Reference No.: NIL

Sample Description: Fugitive Emission Monitoring

Report Date: 25/11/2024
Period of Analysis: 17-25/11/2024
Receipt Date: 17/11/2024

Results

General Information:-
Sampling Location : Koni Mine Near Crusher Area (Unloading Point)
Sample collected by : VTL Team
Sampling Equipment used : RDS
Instrument Code : VTL/RDS/01
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear sky
Date of Sampling : 12/11/2024
Time of Sampling : 06:00 to 14:00 Hrs.
Ambient Temperature (°C) : Min. 15°C, Max. 31°C
Surrounding Activity : Human, Vehicular & Plant Activities
Method of Sampling : IS-5182 & CPCB Guidelines
Sampling Duration : 8 hrs.
Parameter Required : As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	Limit
1.	Suspended Particulate Matter (SPM)	VTL/STP/02/STP/01	345.0	µg/m ³	600

-----End of the Report-----

Checked By



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Lab Incharge
Authorized Signatory

Pages 1 of 1

Sample Number: VTL/FD/02
Name & Address of the Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Koni-Simariya
Limestone Mine Village-Harduwaken
Tehsil-Amanganj PIN-488441 Dist-Panna

Report No.: VTL/FD/2411170015
Format No.: 7.8 F 02
Party Reference No.: NIL
Report Date: 25/11/2024
Period of Analysis: 17-25/11/2024
Receipt Date: 17/11/2024

Sample Description: Fugitive Emission Monitoring

Results

General Information:-
Sampling Location : Koni Mine Near Mine Office Area (Transfer Point)
Sample collected by : VTL Team
Sampling Equipment used : RDS
Instrument Code : VTL/RDS/02
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear sky
Date of Sampling : 12/11/2024
Time of Sampling : 06:30 to 14:30 Hrs.
Ambient Temperature (°C) : Min. 15°C, Max. 31°C
Surrounding Activity : Human, Vehicular & Plant Activities
Method of Sampling : IS-5182 & CPCB Guidelines
Sampling Duration : 8 hrs.
Parameter Required : As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	Limit
1.	Suspended Particulate Matter (SPM)	VTL/STP/02/STP/01	310.0	µg/m3	600

-----End of the Report-----

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Pages 1 of 1

Sample Number: VTL/FD/03
Name & Address of the Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Koni-Simariya
Limestone Mine Village-Harduwaken
Tehsil-Amanganj PIN-488441 Dist-Panna

Report No.: VTL/FD/2411170016
Format No.: 7.8 F 02
Party Reference No.: NIL

Sample Description: Fugitive Emission Monitoring

Report Date: 25/11/2024
Period of Analysis: 17-25/11/2024
Receipt Date: 17/11/2024

Results

General Information:-
Sampling Location : Near Koni Mine (Near Pit -01 Loading Point)
Sample collected by : VTL Team
Sampling Equipment used : RDS
Instrument Code : VTL/RDS/03
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear sky
Date of Sampling : 02/09/2024
Time of Sampling : 07:00 to 15:00 Hrs.
Ambient Temperature (°C) : Min. 15°C, Max. 31°C
Surrounding Activity : Human, Vehicular & Plant Activities
Method of Sampling : IS-5182 & CPCB Guidelines
Sampling Duration : 8 hrs.
Parameter Required : As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	Limit
1.	Suspended Particulate Matter (SPM)	VTL/STP/02/STP/01	360.0	µg/m3	600

-----End of the Report-----

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Pages 1 of 1

Sample Number: VTL/FD/04
Name & Address of the Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Koni-Simariya
Limestone Mine Village-Harduwaken
Tehsil-Amanganj PIN-488441 Dist-Panna

Report No.: VTL/FD/2411170017
Format No.: 7.8 F 02
Party Reference No.: NIL

Sample Description : Fugitive Emission Monitoring

Report Date: 25/11/2024
Period of Analysis: 17-25/11/2024
Receipt Date: 17/11/2024

Results

General Information:-

Sampling Location : Near Koni Mine (Near Pit -02 Loading Point)
Sample collected by : VTL Team
Sampling Equipment used : RDS
Instrument Code : VTL/RDS/01
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear sky
Date of Sampling : 13/11/2024
Time of Sampling : 08:30 to 16:30 Hrs.
Ambient Temperature (°C) : Min. 15°C, Max. 31°C
Surrounding Activity : Human, Vehicular & Plant Activities
Method of Sampling : IS-5182 & CPCB Guidelines
Sampling Duration : 8 hrs.
Parameter Required : As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	Limit
1.	Suspended Particulate Matter (SPM)	VTL/STP/02/STP/01	385.0	µg/m ³	600

-----End of the Report-----

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Sample Number: VTL/FD/05
Name & Address of the Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Koni-Simariya
Limestone Mine Village-Harduwaken
Tehsil-Amanganj PIN-488441 Dist-Panna

Report No.: VTL/FD/2411170018
Format No.: 7.8 F 02
Party Reference No.: NIL

Sample Description: Fugitive Emission Monitoring

Report Date: 25/11/2024
Period of Analysis: 17-25/11/2024
Receipt Date: 17/11/2024

Results

General Information:-
Sampling Location : Near Koni Mine (Haulage Road)
Sample collected by : VTL Team
Sampling Equipment used : RDS
Instrument Code : VTL/RDS/02
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear sky
Date of Sampling : 13/11/2024
Time of Sampling : 09:30 to 17:30 Hrs.
Ambient Temperature (°C) : Min. 15°C, Max. 31°C
Surrounding Activity : Human, Vehicular & Plant Activities
Method of Sampling : IS-5182 & CPCB Guidelines
Sampling Duration : 8 hrs.
Parameter Required : As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	Limit
1.	Suspended Particulate Matter (SPM)	VTL/STP/02/STP/01	356.0	µg/m ³	600

End of the Report

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Pages 1 of 1

Sample Number: VTL/FD/06
Name & Address of the Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Koni-Simariya
Limestone Mine Village-Harduwaken
Tehsil-Amanganj PIN-488441 Dist-Panna

Report No.: VTL/FD/2411170019
Format No.: 7.8 F 02
Party Reference No.: NIL

Sample Description : Fugitive Emission Monitoring

Report Date: 25/11/2024
Period of Analysis: 17-25/11/2024
Receipt Date: 17/11/2024

Results

General Information:-

Sampling Location : Near Koni Mine (Near Pit -03 Loading Point)
Sample collected by : VTL Team
Sampling Equipment used : RDS
Instrument Code : VTL/RDS/03
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear sky
Date of Sampling : 13/11/2024
Time of Sampling : 10:30 to 18:30 Hrs.
Ambient Temperature (°C) : Min. 15°C, Max. 31°C
Surrounding Activity : Human, Vehicular & Plant Activities
Method of Sampling : IS-5182 & CPCB Guidelines
Sampling Duration : 8 hrs.
Parameter Required : As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	Limit
1.	Suspended Particulate Matter (SPM)	VTL/STP/02/STP/01	398.0	µg/m ³	600

-----End of the Report-----

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Sample Number: VTL/FD/01
Name & Address of the Party M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Koni-Simariya
Limestone Mine Village-Harduwaken
Tehsil-Amanganj PIN-488441 Dist-Panna

Report No.: VTL/FD/2503010014
Format No.: 7.8 F 02
Party Reference No.: NIL

Sample Description : Fugitive Emission Monitoring

Report Date: 05/03/2025
Period of Analysis: 01-05/03/2025
Receipt Date 01/03/2025

Results

General Information:-

Sampling Location : Koni Mine Near Crusher Area (Unloading Point)
Sample collected by : VTL Team
Sampling Equipment used : RDS
Instrument Code : VTL/RDS/01
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear sky
Date of Sampling : 14/02/2025
Time of Sampling : 10:00 to 14:00 Hrs.
Ambient Temperature (°C) : Min. 15°C, Max. 31°C
Surrounding Activity : Human, Vehicular & Plant Activities
Method of Sampling : IS-5182 & CPCB Guidelines
Sampling Duration : 4 hrs.
Parameter Required : As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	Limit
1.	Suspended Particulate Matter (SPM)	VTL/STP/02/STP/01	417.0	µg/m3	600

-----End of the Report-----


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Pages 1 of 1

Sample Number: VTL/FD/02
Name & Address of the Party M/s JK Cement Works, Panna
(A Unit Of) JK Cement Ltd.) Koni-Simariya
Limestone Mine Village-Harduwaken
Tehsil-Amanganj PIN-488441 Dist-Panna

Report No.: VTL/FD/2503010015
Format No.: 7.8 F 02
Party Reference No.: NIL

Sample Description : Fugitive Emission Monitoring

Report Date: 05/03/2025
Period of Analysis: 01-05/03/2025
Receipt Date 01/03/2025

Results

General Information:-

Sampling Location : Koni Mine Near Mine Office Area (Transfer Point)
Sample collected by : VTL Team
Sampling Equipment used : RDS
Instrument Code : VTL/RDS/02
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear sky
Date of Sampling : 14/02/2025
Time of Sampling : 14:30 to 18:30 Hrs.
Ambient Temperature (^oC) : Min. 15°C, Max. 31°C
Surrounding Activity : Human, Vehicular & Plant Activities
Method of Sampling : IS-5182 & CPCB Guidelines
Sampling Duration : 4 hrs.
Parameter Required : As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	Limit
1.	Suspended Particulate Matter (SPM)	VTL/STP/02/STP/01	356.0	µg/m ³	600

-----End of the Report-----

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Pages 1 of 1

Sample Number: VTL/FD/03
Name & Address of the Party M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Koni-Simariya
Limestone Mine Village-Harduwaken
Tehsil-Amanganj PIN-488441 Dist-Panna

Report No.: VTL/FD/2503010016
Format No.: 7.8 F 02
Party Reference No.: NIL

Sample Description : Fugitive Emission Monitoring

Report Date: 05/03/2025
Period of Analysis: 01-05/03/2025
Receipt Date 01/03/2025

Results

General Information:-

Sampling Location : Near Koni Mine (Near Pit -01)
Sample collected by : VTL Team
Sampling Equipment used : RDS
Instrument Code : VTL/RDS/03
Latitude : **
Longitude : **
Meteorological condition during monitoring : Clear sky
Date of Sampling : 15/02/2025
Time of Sampling : 09:00 to 13:00 Hrs.
Ambient Temperature (°C) : Min. 15°C, Max. 31°C
Surrounding Activity : Human, Vehicular & Plant Activities
Method of Sampling : IS-5182 & CPCB Guidelines
Sampling Duration : 4 hrs.
Parameter Required : As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	Limit
1.	Suspended Particulate Matter (SPM)	VTL/STP/02/STP/01	237.0	µg/m3	600

-----End of the Report-----

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Pages 1 of 1

Sample Number: VTL/FD/04
Name & Address of the Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Koni-Simariya
Limestone Mine Village-Harduwaken
Tehsil-Amanganj PIN-488441 Dist-Panna

Report No.: VTL/FD/2503010017
Format No.: 7.8 F 02
Party Reference No.: NIL

Sample Description: Fugitive Emission Monitoring

Report Date: 05/03/2025
Period of Analysis: 01-05/03/2025
Receipt Date: 01/03/2025

Results

General Information:-

Sampling Location : Near Koni Mine (Near Pit -02 Loading Point)
Sample collected by : VTL Team
Sampling Equipment used : RDS
Instrument Code : VTL/RDS/01
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear sky
Date of Sampling : 15/02/2025
Time of Sampling : 14:00 to 18:00 Hrs.
Ambient Temperature (°C) : Min. 15°C, Max. 31°C
Surrounding Activity : Human, Vehicular & Plant Activities
Method of Sampling : IS-5182 & CPCB Guidelines
Sampling Duration : 4 hrs.
Parameter Required : As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	Limit
1.	Suspended Particulate Matter (SPM)	VTL/STP/02/STP/01	428.0	µg/m3	600

-----End of the Report-----

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Pages 1 of 1

Sample Number: VTL/FD/05
Name & Address of the Party M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Koni-Simariya
Limestone Mine Village-Harduwaken
Tehsil-Amanganj PIN-488441 Dist-Panna

Report No.: VTL/FD/2503010018
Format No.: 7.8 F 02
Party Reference No.: NIL

Sample Description : Fugitive Emission Monitoring

Report Date: 05/03/2025
Period of Analysis: 01-05/03/2025
Receipt Date 01/03/2025

Results

General Information:-

Sampling Location : Near Koni Mine (Haulage Road)
Sample collected by : VTL Team
Sampling Equipment used : RDS
Instrument Code : VTL/RDS/02
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear sky
Date of Sampling : 17/02/2024
Time of Sampling : 09:00 to 13:00 Hrs.
Ambient Temperature (°C) : Min. 15°C, Max. 31°C
Surrounding Activity : Human, Vehicular & Plant Activities
Method of Sampling : IS-5182 & CPCB Guidelines
Sampling Duration : 4 hrs.
Parameter Required : As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	Limit
1.	Suspended Particulate Matter (SPM)	VTL/STP/02/STP/01	486.0	µg/m ³	600

End of the Report

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Sample Number: VTL/FD/06
Name & Address of the Party M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.) Koni-Simariya
Limestone Mine Village-Harduwaken
Tehsil-Amanganj PIN-488441 Dist-Panna

Report No.: VTL/FD/2503010019
Format No.: 7.8 F 02
Party Reference No.: NIL

Sample Description : Fugitive Emission Monitoring

Report Date: 05/03/2025
Period of Analysis: 01-05/03/2025
Receipt Date 01/03/2025

Results

General Information:-

Sampling Location	: Near Koni Mine (Near Pit-03 Loading Point)
Sample collected by	: VTL Team
Sampling Equipment used	: RDS
Instrument Code	: VTL/RDS/03
Latitude	: --
Longitude	: --
Meteorological condition during monitoring	: Clear sky
Date of Sampling	: 17/02/2025
Time of Sampling	: 14:30 to 18:30 Hrs.
Ambient Temperature (°C)	: Min. 15°C, Max. 31°C
Surrounding Activity	: Human, Vehicular & Plant Activities
Method of Sampling	: IS-5182 & CPCB Guidelines
Sampling Duration	: 4 hrs.
Parameter Required	: As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	Limit
1.	Suspended Particulate Matter (SPM)	VTL/STP/02/STP/01	437.0	µg/m3	600

End of the Report

Checked By



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