

Your (Half Yearly Compliance Report) has been Submitted with following details

Proposal No	IA/MP/MIN/130137/2016
Compliance ID	1225521113
Compliance Number(For Tracking)	EC/M/COMPLIANCE/1225521113/2026
Reporting Year	2026
Reporting Period	01 Jun(01 Oct - 31 Mar)
Submission Date	22-05-2026
RO/SRO Name	Shri Kailash Chand Meena
RO/SRO Email	rj107@ifs.nic.in
State	MADHYA PRADESH
RO/SRO Office Address	Integrated Regional Offices, Bhopal

Note:- SMS and E-Mail has been sent to Shri Kailash Chand Meena, MADHYA PRADESH with Notification to Project Proponent.

Ref.No.: JKCEMENT/ENV./EC/KAKRA/2026-27/03/24

Date: 18.05.2026

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](mailto:rowz.bpl-mef@nic.in)

Subject: **Submission of Half yearly Environment Clearance Compliance Status Report for the period from October -2025 to March-2026 of Kakra Panna Limestone Mine of M/s J K Cement Ltd. Located at Villages Kakra, Kamtana, Saptai, Judi, Devri, Purohit, & Devra, Tehsil Amanganj, District Panna of State Madhya Pradesh.**

Ref.: 1- Environment Clearance vide no F. No. J-11015/190/2016-IA. II (M) dated 31.08.2020.
2- Corrigendum in EC vide letter No. J-11015/190/2016-IA.II (M) dated 08.03.2021.
3- Amendment EC letter no. J-11015/190/2016-IA. II (M) dated 18.10.2023
4- Name Change in EC vide F. No. J-11015/190/2016-IA. II (M) dated 23.01.2024

Dear Sir,

With reference to above stated Environment Clearance (EC) and MoEF & CC notification no. S.O.5845(E) 26.11.2018, we are submitting Half Yearly Environmental Clearance Compliance Status Report for the period from **October- 2025 to March-2026** of Kakra Panna Limestone Mine of M/s J K Cement Ltd, located at Villages Kakra, Kamtana, Saptai, Judi, Devri, Purohit, & Devra, Tehsil Amanganj, District Panna, Madhya Pradesh through email, this is for your kind information and record please.

Thank you,

Yours Sincerely

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



Corporate Office
Prism Tower, Ninaniya Estate, Gwal Pahari,
Gurugram, Haryana - 122102, India
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Manufacturing Units at:
Nimbahera, Mangrol, Gotan (Rajasthan) | Muddapur (Karnataka)
Jharli (Haryana) | Katni, Panna, Ujjain (M.P.) | Prayagraj, Aligarh, Hamirpur (U.P.)
Balasinor (Gujarat) | Buxar (Bihar) | Fujairah (UAE) | Ampavali, Choudwar (Odisha)



**Half Yearly Environment Clearance Compliance Report of M/s J K Cement Limited
issued for Kakra-Panna Limestone Mine, Panna for Period from October-2025 to
March-2026**

<p>Environmental Clearance to M/s J K Cement Limited issued for Kakra-Panna Limestone Mine for production of 4.08 MTPA Limestone, 1.51 MTPA inter-burden, 1.26 MTPA soil/Alluvium, 0.18 MTPA Mine waste and 0.58 MTPA sub-grade mineral [Total Excavation 7.61 MTPA] in the ML area 1594.35 Ha, at Villages Kakra, Kamtana, Saptai, Judi, Devri Purohit and Devra, Tehsil Amanganj, District Panna, Madhya Pradesh.</p>																									
<p align="center">Environment Clearance vide no F. No. J-11015/190/2016-IA. II (M) dated 31st August 2020, Corrigendum in EC vide letter No. J-11015/190/2016-IA.II (M) dated 8th March, 2021 and Amendment in EC vide F. No. J-11015/190/2016-IA. II (M) dated 18th October 2023 Name Change in EC vide F. No. J-11015/190/2016-IA. II (M) dated 23th January 2024</p>																									
<p>Specific Condition</p>																									
I.	<p>Mining shall be restricted to the land already acquired near the Judi Village (about 235 ha). Meanwhile the PP may acquire the land, modify the mining sequence to avoid the void in west side of Dewra Village and approach the Ministry for re-validation or amendment in environmental clearance for permission for the entire area proposed for mining within the ML area.</p>																								
	<p>Complied. This condition has been amended by MoEF&CC vide Amended EC no. F. No. J-11015/190/2016-IA. II (M) dated 18th October 2023, to carry out mining activity in the entire lease area as per the approved mining plan. Amended EC copy and revised mining plan approval copy are enclosed as Annexure-1 & 2 respectively.</p>																								
II.	<p>The safety barrier of 100 m against the village / Habitation; 45 m on either side of the Nallah; 50 m on either side of the village roads shall be left as non-mining zone and thick green belt shall be developed with native species before commencement of mining operations in the area.</p>																								
	<p>Compliance on progress. The safety barrier of 100 m against the village / Habitation; 45 m on either side of the Nallah; 50 m on either side of the village roads have been left as non-mining zone and thick green belt is being developed with native species.</p>																								
III.	<p>No mining shall be carried up to 250 m distance from the bank of Ken River and an embankment of not less than 3 m height above the HFL shall be constructed and thick green belt shall be developed with native species before commencement of mining operations in the area.</p>																								
	<p>Complied. No mining is being carried up to 250 m distance from the bank of the Ken River and thick green belt is being developed with native species.</p>																								
IV.	<p>The PP shall adopt control basting with necessary permission from the Director General of Mines Safety within 300 m from the village / Habitation boundary and non-conventional mining with ripper dozer or other mechanical means by avoiding the blasting within 100 m from the village / Habitation boundary. Thick plantation with native and broad-leaved species shall be developed in the safety barrier left against the Habitations before commencement of mining operations in the area.</p>																								
	<p>Complied. We have adopted control basting techniques with necessary permission from the Director General of Mines Safety to do blasting within 300 m from the village / Habitation boundary. Mining is being done faraway from village/ habitation boundary.</p> <table border="1" data-bbox="862 1440 1497 1633"> <thead> <tr> <th colspan="6">Distance from Mine Pit (meter)</th> </tr> <tr> <th>Pit details</th> <th>Dewra Village</th> <th>Kakra Village</th> <th>Judi Village</th> <th>Kamtana Village</th> <th>Saptai Village</th> </tr> </thead> <tbody> <tr> <td>Pit 1</td> <td>450</td> <td>1200</td> <td>2700</td> <td>3400</td> <td>2100</td> </tr> <tr> <td>Pit-2</td> <td>1800</td> <td>750</td> <td>4180</td> <td>3700</td> <td>1300</td> </tr> </tbody> </table> <p>Thick plantation with native and broad-leaved species is being developed in the safety barrier.</p> <p>DGMS permission copy is enclosed as Annexure-3.</p>	Distance from Mine Pit (meter)						Pit details	Dewra Village	Kakra Village	Judi Village	Kamtana Village	Saptai Village	Pit 1	450	1200	2700	3400	2100	Pit-2	1800	750	4180	3700	1300
Distance from Mine Pit (meter)																									
Pit details	Dewra Village	Kakra Village	Judi Village	Kamtana Village	Saptai Village																				
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**Half Yearly Environment Clearance Compliance Report of M/s J K Cement Limited
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V.	The ground induced blasting vibrations shall be monitored regularly for every blast performed and the values of "Peak Particle Velocity" and "Air Over Pressure" shall be maintained below the permissible values prescribed by the DGMS, from time to time.	<p>Complied. The ground induced blasting vibrations is being monitored regularly for every blast performed and the values of "Peak Particle Velocity" and "Air Over Pressure" is well within the permissible values prescribed by the DGMS. A blasting vibration report attached as Annexure-4.</p>
VI.	No external dumping of overburden and/or sub-grade material shall be made outside the mining lease area.	<p>Complied. No external dumping of overburden and/or sub-grade material is being done outside the mining lease area.</p>
VII.	Site specific conservation plan for all the Schedule-I species reported in the study area shall be implemented in consultation with State Forest Department as per the recommendations of Chief Wildlife Warden.	<p>Complied. We have already deposited Rs. 289.90 Lakh via. E Cheque no. CTY3061751 dated 19.08.2023 as per fund allocated for implementation of approved Wild Life Conservation Plan (WLCP) approval Letter no. V.Pra/Ma.Chi./8847 dated 13.12.2019 for JK Cement Limited Integrated Cement Plant Project. Acknowledgement copy of amount deposition is given below: However, we are following the State Forest Department regarding implementation of Wildlife conservation plan and letters have been submitted to the Wild Life Department on dated 06.03.2024 via letter no. JKCEMENT/PCP/EMD/2023-24/F 04/10, follow up letter on 18.04.2024 via letter no. JKCEMENT/PCP/EMD/2024-25/F 04/11, follow up letter on 02.01.2025 via letter no. JKCEMENT/PCP/EMD/2024-25/F 04/16. Copy is given below.</p> <p>And regarding the approval of wildlife Conservation plan (w.r.t Schedule I species) as per wildlife protection amendment Act,2022 for proposed expansion in Limestone in the Limestone production capacity of Kakra panna Limestone Mines letter no. JKCEMENT/PCP/EMD/2025-26/F04/23 dated 29.07.2025 submission of Distric Forest Officer, Panna.</p>

Half Yearly Environment Clearance Compliance Report of M/s J K Cement Limited issued for Kakra-Panna Limestone Mine, Panna for Period from October-2025 to March-2026

JK Cement Works, Panna
(Formerly known as Jaykaycem Central Ltd. now amalgamated)
A Unit of JK Cement Ltd.
CIN: 172299JP1994PLC017199
Village - Haridwaran, Tehsil - Amanganj
District - Panna, State - Madhya Pradesh, India - 488 441
☎ 9229141001 ☎ jk.panna@jkcement.com
www.jkcement.com

JK Cement

पत्र क्र- दिनांक-21/08/2023

प्रति
उपसंचालक
पन्ना टाईगर रिजर्व पन्ना

विषय: To comply with wild life conservation plan approval letter form Jaykaycem (Central) Ltd. Integrated Cement plant Project, tehsil Amanganj District Panna (M.P.) implementation of wild life conservation plan and specific conditions of Environment clearance - regarding

सदने: आपका कार्यालयीन पत्र क्रमांक/मा.चि./2023/2908/पन्ना, दिनांक-16/8/2023।

महोदय

विषयान्तर्गत संदर्भित पत्र द्वारा जेकेसेम (सेंट्रल) लिमिटेड को 289.90 लाख रु मध्यप्रदेश टाईगर फाउंडेशन सोसाईटी के भारतीय स्टेट बैंक मुख्य शाखा पी.टी. नगर भोपाल के बचत खाता क्रमांक 10571048460 आईएफएससी SBIN0001308 में जमा करने हेतु निर्देशित किया गया था, उक्त सारमय में जेके सीमेंट लिमिटेड द्वारा 289.90 लाख रु का मुगलान ई बैंक के माध्यम से मध्यप्रदेश टाईगर फाउंडेशन सोसाईटी को खाते में कर दिया गया है जिसका विवरण निम्नानुसार है-

E Cheque No	CTY3061751
Dated	19/08/2023
Amount	289.90 Lakh
Name	MP Tiger Foundation
A/c No	10571048460

अतः अग्रिम कार्यवाही हेतु महोदय की उ्तर प्रार्थित।

बासंत जेकेसेम (सेंट्रल) लिमिटेड
Kaushal
इमरित अग्रवाल
युनिट हेड
जेके सीमेंट लिमिटेड

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JKcement

Ref. No.: JKCEMENT/PCP/EMD/2024-25/F 04/11
Dated: 18.04.2024

To,
The Field Director,
Panna Tiger Reserve,
Panna-488001 (MP)

Subject: To comply with Wild Life Conservation Plan Approval Letter for JK Cement Limited Integrated Cement Plant Project, Tehsil-Amanganj, District-Panna (M.P.), Implementation of Wild Life Conservation Plan and specific condition of Environment Clearance- regarding

Ref.: 1. Life Conservation Plan Approval Letter no. V.Pra/Ma.CH/8847 dated 13.12.2019
2. Environment Clearance vide no J-11015/190/2016-IA. II (M) dated 31.08.2020.

Dear Sir,

In continuation of our letter no. JKCEMENT/PCP/EMD/2023-24/F 04/10 dated 06.03.2024 and with reference to above subject matter, we would like to again inform you that we have already deposited Rs. 289.90 Lakh via. E Cheque no. CTY3061751 dated 19.08.2023 as per fund allocated for implementation of approved Wild Life Conservation Plan (WLCP) approval Letter no. V.Pra/Ma.CH/8847 dated 13.12.2019 for JK Cement Limited Integrated Cement Plant Project (Acknowledgement copy of amount deposited enclosed as Annexure no. 1).

Further, we would like to inform you that it is mentioned in specific condition no. VII of environment clearance letter no. J-11015/190/2016-IA. II (M) dated 31.08.2020 that "Site specific conservation plan for all the Schedule-I species reported in the study area shall be implemented in consultation with State Forest Department as per the recommendations of Chief Wildlife Warden".

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

Thanking you,

Yours Faithfully
For: JK Cement Limited
Kaushal
Kapil Agrawal
(Unit Head)

CC to: 1- PCP (Wildlife) and Chief Wildlife Warden, Bhopal, M.P.
2- Chief Conservator of Forest, Chhatrapur-471001

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Acknowledgement copy of amount deposition in WLCP

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JKcement

Ref: JKCEMENT/PCP/EMD/2025-26/F04/23
Date: 29.07.2025

To,
The District Forest Officer,
South Forest Division Panna,
Madhya Pradesh (488001)

Subj: Regarding the approval of Wildlife Conservation Plan (as per Schedule I species) as per the wildlife (Protection) Amendment Act, 2022 for proposed expansion in the Limestone production capacity of Kakra Panna Limestone Mine (ML area 1594.34 ha) from 8.66 MTPA to 5.92 MTPA (20 %) at Village- Kakra, Kanton, Sagat, Jali, Devi Purush and Devra, Tehsil- Amanganj District Panna, Madhya Pradesh.

Ref: 1) Letter No. WAGI/WA.TLA.A.1/MNP/78/5919, Dated 08/07/2025
2) JKCEMENT/PCP/EMD/2025-26/F04/20, Dated: 12.06.2025

Dear Sir,

With reference to the subject cited above and the reference thereunder regarding queries raised by the office of the PCP and Chief Wildlife Warden, please find below the point-wise response as below:

S.No.	Issues	Reply
1.	The provision has been made for an additional Rs. 43.92 lakh for a period of 10 years besides earlier approved plan of Rs. 289.90 lakh in the proposed plan for conservation and promotion of flora and fauna. This needs to be proposed for 5 years and any other anticipated changes in the activity and budget keeping in view of the proposed area, in a modified wildlife conservation plan need to be sent.	The grant is well noted and modified wildlife conservation plan incorporating the suggestions is attached as Annexure-1
2.	In the above plan list of flora - fauna updated as per Wildlife Protection Act, 1972 as amended 2022 and proposed budget duly signed need to be sent.	The Wildlife Conservation Plan has been prepared as per the approved list of flora - fauna as per the Wildlife Protection Act, 1972 as amended 2022. The proposed budget and list of flora & fauna is mentioned at Table No 5 (Page No 14-16); 6 (Page No 17-20) & 7 (Page No 22-25) respectively is attached as Annexure-3.
3.	The TOR granted by Govt of India is not attached with this wildlife conservation plan, the same need to be attached and sent.	At present, Kakra Panna Limestone Mine of is undergoing 20% expansion in limestone production capacity and environmental clearance is sought under MoEF & CC Office Memorandum No. IA3-22/10/2022-0A/III (E/177258) dated 11.04.2022 and 30.05.2022. The Environment Impact Assessment Report is prepared following Standard Terms of Reference (TOR) for the project under Item 70B (a) as per MoEF&CC guidelines. The copy Standard Terms of reference is attached as Annexure-2.

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The EIA report is already submitted on Farwah Portal and submission map shot is attached for ready reference attached as Annexure- 3.

We hope this reply would suffice the queries raised by the office of the PCP and Chief Wildlife Warden and requesting you to kindly forward the updated Wildlife Conservation Plan prepared as per the Wildlife Protection Amendment Act, 2022 along with the proposed budget for its approval.

Thanking You,
For M/s J K Cement Ltd
Kaushal
Kapil Agrawal
(Unit Head)

Enclosed: As mentioned above
CC to: The Chief Wildlife Warden & Principal Chief Conservator of Forests (Wildlife), Bhopal, M.P. - 462001

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WLCP Approval letter submission copy

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March-2026**

VIII.	Total Excavation shall not be exceeded to 7.61 which includes 4.08 MTPA Lime Stone, 0.58 MTPA sub-grade limestone, 1.51 MTPA Inter burden, Soil/Alluvium 1.26 MTPA, Mine Waste 0.18 MTPA.	<p>Complied. Our mine was commissioned on dated 30.01.2023 and production & dispatched of limestone started from the from Apr-25 to Mar-26 is following:</p> <table border="1" data-bbox="857 384 1507 709"> <thead> <tr> <th>Sr. No</th> <th>Production</th> <th>Permission (MTPA)</th> <th>Apr-25 to Mar-26 (MT)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Limestone</td> <td>4.08</td> <td>2.91</td> </tr> <tr> <td>2</td> <td>Sub-grade Limestone</td> <td>0.58</td> <td>0.00</td> </tr> <tr> <td>3</td> <td>Inter burden</td> <td>1.51</td> <td>0.00</td> </tr> <tr> <td>4</td> <td>Soil/ Alluvium</td> <td>1.26</td> <td>0.78</td> </tr> <tr> <td>5</td> <td>Mine waste</td> <td>0.18</td> <td>0.00</td> </tr> </tbody> </table>	Sr. No	Production	Permission (MTPA)	Apr-25 to Mar-26 (MT)	1	Limestone	4.08	2.91	2	Sub-grade Limestone	0.58	0.00	3	Inter burden	1.51	0.00	4	Soil/ Alluvium	1.26	0.78	5	Mine waste	0.18	0.00
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5	Mine waste	0.18	0.00																							
IX.	Plantation shall be carried out as per the mining plan both concurrent and closer phase reclamation, inter alia, including plantation all along the boundary of the mining lease shall be completed within 2 years of commencement of mining operations, with a sapling of native and broad-leaved species of not less than 12 feet and shall maintain the record of the same, gap plantation and grassing as per the directions of the Hon'ble Supreme Court	<p>Compliance on progress. Plantation is being done as per the EC conditions and the approved mining plan. A total of 61520 nos of sapling of native and broad-leaved species have been planted in 24.61 Ha of area up to Mar-2026. proper record of plantation is being maintained.</p>																								



Plantation Photo

**Half Yearly Environment Clearance Compliance Report of M/s J K Cement Limited
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<p>X. The project proponent shall implement the commitments made on the issues raised in PH and activities proposed under CER, in a period of three years and record for the same shall be maintained and audited and reported to the Regional Office of the Ministry along with the compliance reports</p>	<p>Complied.</p> <p>The unit has implemented the commitments made against the issues raised during the Public Hearing (PH) and the activities proposed under CER. Over a period of three years, up to March 2026, an amount exceeding ₹3080 lakhs has been spent on various initiatives, including:</p> <ul style="list-style-type: none"> ➤ Health: Medical check-up camps and related activities. ➤ Education: Distribution of books, bags, and stationery. ➤ Sanitation: Provision of domestic water facilities and toilets. ➤ Infrastructure: Development of roads and community Centre's. ➤ Environment: Green belt development in nearby areas <p>All activities have been properly recorded and documented.</p>
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Drinking water arrangement through Water nearby Villages



Public Safety in Panna District (5 nos Bolero and 4 nos Computer donation to SP office)



Mahua Laddu distribution was conducted for students at various locations



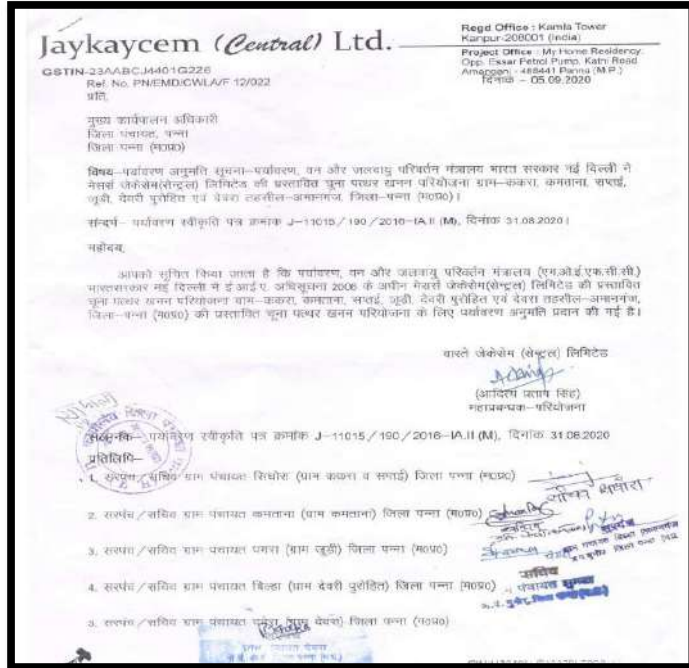
MMU visit at nearby 20 villages

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XI.	All the mitigation measures committed / envisaged in the EIA/EMP report and subsequent submission shall be implemented.	Complied.
XII.	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.	Complied. The mining lease after ceasing mining operations will be re-grassed and any other area which may have been disturbed due to other mining activities and will be restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
B. Standard EC Conditions:		
<u>I. Statutory compliance</u>		
1)	The EC granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc. required to be obtained or standards / conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project.	Complied. EC amendments are obtained under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. EC condition was amended via EC vide F. No. J-11015/190/2016-IA. II (M) dated 18th October 2023.
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. The content of the judgement is being complied. Mining is being done after obtaining applicable permissions. We have an IBM approved Mining plan and mining is being done as per mining plan. Production is within the permissible limit.
3)	The State Government concerned shall ensure that mining operation shall not be commenced till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of Judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors.	Compliance not applicable. The subject proposal is green field project and the case of illegal mining does not occur. The mining activity is being done in the land which is already purchased and registered in the name of company.
4)	The Project Proponent shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-IA.II (M), dated 29th October, 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".	Complied. We have been granted mining lease area after leaving of habitation and villages part. However, we assure that we will follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-IA.II (M), dated 29th October, 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area". Best Mining Practices have adopted and controlled blasting is being done.

**Half Yearly Environment Clearance Compliance Report of M/s J K Cement Limited
issued for Kakra-Panna Limestone Mine, Panna for Period from October-2025 to
March-2026**

5)	A copy of EC letter will be marked to concerned Panchayat / local NGO etc. if any, from whom suggestion / representation has been received while processing the proposal.	Complied. The copy of EC letter has been provided to the concerned Panchayat vide letter No. PN/EMD/CWLA/F 12/012, dated 05.09.2020 and copy of the same already send to all concerns on 07.09.2020.
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Copy of acknowledgement of gram panchayat during received EC copy.

6)	State Pollution Control Board/Committee shall be responsible for display of this EC letter at its Regional office, District Industries Centre and Collector's office/ Tehsildar's Office for 30 days.	Not Applicable.
7)	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 of the Ministry of Environment, Forest and Climate Change (www.parivesh.nic.in). A copy of the advertisement may be forwarded to the concerned MoEFCC Regional Office for compliance and record.	Complied. The advertisement about the grant of EC letter for the project has been published in two local newspapers namely Dainik Jagran and Raj Express dated 04.09.2020 and copy of the same already send to all concerns on 07.09.2020. Copy is attached below.

**Half Yearly Environment Clearance Compliance Report of M/s J K Cement Limited
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March-2026**



उत्तरप्रदेश जागरण

जनसूचना

सर्वसाधारण को सूचित किया जाता है कि जे.के. सेम (सेन्दल) लिमिटेड को लाइमस्टोन माइन्स जो कि ग्राम ककरा, कमाताना, सपाई, जुड़ी, देवरीपुरोहित एवं देवरा, तहसील अमानगंज, जिला पन्ना में अवस्थित है, को 1594.34 हेक्टेयर क्षेत्रफल (विभिन्न खसरा नं.) के लिए पर्यावरणीय स्वीकृति, पर्यावरण एवं वन, जलवायु परिवर्तन मंत्रालय, भारत सरकार के फॉर्क F.No. J-11015/190/2016-IA(M) के द्वारा दिनांक 31.08.2020 को मिल गयी है। पर्यावरणीय स्वीकृति की कॉपी राजकीय प्रदूषण बोर्ड के कार्यालय में भी उपलब्ध है तथा इसे www.parivesh.nic.in पर भी देखा जा सकता है।

प्रोजेक्ट अघार्टी
जे.के. सेम (सेन्दल) लिमिटेड
अमानगंज, पन्ना (म.प्र.)



राज एक्सप्रेस
पन्ना एक्सप्रेस 12

:- जन सूचना:-

सर्व साधारण को सूचित किया जाता है कि जे.के.सेम(सेन्दल) लिमिटेड को लाइमस्टोन माइन्स जो कि ग्राम ककरा, कमाताना, सपाई, जुड़ी, देवरी पुरोहित एवं देवरा तहसील अमानगंज जिला पन्ना में अवस्थित है, को 1594.34 हेक्टेयर क्षेत्रफल (विभिन्न खसरा नं.) के लिए पर्यावरणीय स्वीकृति, पर्यावरणीय एवं वन, जलवायु परिवर्तन मंत्रालय, भारत सरकार के फॉर्क F-NO J.11015/190/2016-IA(M) के द्वारा दिनांक 31.08.2020 को मिल गई है। पर्यावरणीय स्वीकृति की कॉपी राजकीय प्रदूषण बोर्ड के कार्यालय में भी उपलब्ध है तथा इसे www.parivesh.nic.in पर भी देखा जा सकता है।

प्रोजेक्ट अघार्टी
जे.के.सेम(सेन्दल) लिमिटेड अमानगंज जिला पन्ना (म.प्र.)

Advertisement in News paper

8) 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 than mining operation shall only be carried out after transfer of EC as per provisions of the para 11 of EIA Notification, 2006 as amended from time to time.

Complied.
Change in ownership of the mining lease name changes in EC on dated 23.01.2024.



File No.: J-11015/190/2016 - I.A.B (M)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division

Dated 23/01/2024

To,
M/s J K Cement Limited
Kanta Tower, Karpur-208001 (U.P.) India, KANPUR NAGAR, UTTAR PRADESH,
208001
and jam@jkcement.com

Subject: Kakra-Panna Limestone mine at Tehsil Amanaganj, District Panna (Madhya Pradesh) - Transfer of environmental clearance from M/s Jaykayem (Central) Limited to M/s J K Cement Limited - etc.

Sir/Madam,
This is in reference to your application submitted to MoEF&CC vide proposal number IA/MP/MIN/4917/2023 dated 31/05/2023 for transfer of EC from M/s Jaykayem (Central) Limited to M/s J K Cement Limited to the project under the provision of para 11 of the EIA Notification 2006 and as amended thereof.

The particulars of the proposal are as below:

(i) EC Identification No.	EC23A0000MP5211528T
(ii) File No.	J-11015/190/2016 - I.A.B (M)
(iii) Clearance Type	Transfer of EC
(iv) Category	A
(v) Schedule No./ Project Activity	1(a) Mining of minerals
(vi) Sector	Non-Cook Mining
(vii) Name of Project	Transfer of EC vide letter no J-11015/190/2016 - I.A.B (M) dtd 31.08.2020 and corrigendum dtd 08.03.2021 from M/s. Jaykayem Central Limited to M/s. J K Cement Limited issued for Kakra Panna Limestone Mine for production of 4.08 MTPA Limestone, 1.51 MTPA IB, Soil/ Alluvium 1.26 MTPA, Mine Waste 0.18 MTPA and 0.58 MTPA sub grade mineral [Total excavation 7.51 MTPA] in the ML area 1594.34 Ha. at Villages Kakra, Kamtana, Saptai, Judi, Devri Purohit &

Name changes in EC copy

II. Air quality monitoring and preservation

9) The Project Proponent shall install a minimum of 3 (three) online Ambient Air Quality Monitoring Stations with 1 (one) in upwind and 2 (two) in downwind direction based on long term climatological data about wind direction such that an angle of 120° is made between the monitoring locations to monitor critical parameters, relevant for mining operations, of air pollution viz. PM10,

Complied.
We have installed 03 Nos. Continuous Ambient Air Quality Monitoring Station (CAAQMS) close to boundary of the mine lease. Pictures are given below. The ambient air quality in core zone and buffer zone are also being monitored by NABL approved lab and displayed at main gate. Ambient Monitoring reports screenshot mention below.

**Half Yearly Environment Clearance Compliance Report of M/s J K Cement Limited
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<p>PM2.5, NO2, CO and SO2 etc. as per the methodology mentioned in NAAQS Notification No. B-29016/20/90/PCI/I dated 18.11.2009 covering the aspects of transportation and use of heavy machinery in the impact zone. The ambient air quality shall also be monitored at prominent places like office building, canteen etc. as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in front of the main Gate of the mine site.</p>	<p>Ambient Air monitored also done by NABL approved lab. Monitoring reports are attached as Annexure 5.</p>
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1-CAAQMs behind Store



2-CAAQMs near Reservoir



3- CAAQMS near Kamtana Village



Data display in main Gate of the Kakra mine site

<p>10) Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling,</p>	<p>Complied. Water sprinkling is being carried out for controlling the fugitive dust emission (Photo given below) and</p>
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Half Yearly Environment Clearance Compliance Report of M/s J K Cement Limited issued for Kakra-Panna Limestone Mine, Panna for Period from October-2025 to March-2026

metaled 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

bag filter has been installed at material transfer point in crusher. Fugitive Emission reports are attached as **Annexure-6.**



Water sprinkling photo

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 NOC form CGWA had already been obtained vide no. NOC/MIN/MP/2026/453/R-2/2 dated 11.04.2026, valid up to 02.02.2028 for use of ground water as well as for intersection of water table during the course of mining operation. Ground water NOC renewal copy screenshot mention below.

नमो भारत नमो जल संसाधन नमो रक्षा (NDR) नदीय भूमि जल प्राधिकरण GOVERNMENT OF INDIA MINISTRY OF JAL SHAKTI DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION CENTRAL GROUND WATER AUTHORITY			सायमोव जलो											
भूजल निकाली हेतु अनारपित प्रमाण पत्र NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION														
PROJECT NAME KAKRA-PANNA LIMESTONE MINE														
PROJECT ADDRESS J K CEMENT LIMITED VILLAGE KAKRA, KAMTANA, SAPTAI, JUDI, DEVRI PUROHIT, DEVRA,			PIN CODE 488441											
STATE MADHYA PRADESH	DISTRICT PANNA		TOWN/BLOCK GUNOUR											
COMMUNICATION ADDRESS Village Harduwaken, Tahsil Amanganj, District Panna														
ADDRESS OF CGWB REGIONAL OFFICE Central Ground Water Authority, Ministry of Jal Shakti, CSMRS Campus, Olof Palme Marg, Hauz Khas, New Delhi-110016														
1. NOC NO. NOC/MIN/MP/2026/453/R-2/2	2. DATE OF ISSUANCE 11/04/2026													
3. APPLICATION NO. MIN/MP/2026/453/R-2	4. APPLICATION TYPE Mining													
5. PROJECT STATUS Existing Project	6. NOC TYPE Renew													
7. VALID FROM 03/02/2026	8. VALID UP TO 02/02/2028													
9. WATER QUALITY TYPE Fresh Water	10. AREA TYPE CATEGORY Safe (GWRE-2025)													
11. Ground Water Abstraction Permitted														
GW Abstraction		Dewatering		Total										
m ³ /day	m ³ /year	m ³ /day	m ³ /year	m ³ /year										
20.00	7300.00	1738.00	634370.00	1758.00										
12. Details of Ground Water Abstraction /Dewatering Structures														
EXISTING 2		PROPOSED 1			TOTAL 3									
DW	DCB	BW	TW	Pu	DW	DCB	BW	TW	Pu	DW	DCB	BW	TW	Pu
0	0	1	0	1	0	0	0	0	1	0	0	1	0	2
*DW-Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; Pu Pumps;														
13. No. Of Mine Pits														
EXISTING					PROPOSED					TOTAL				
1					1					2				
Validity of this NOC shall be subject to mandatory compliance of the following conditions: Phase I (within 30 days) 1. Installation of tamper proof digital water flow meter with telemetry on all the abstraction structure(s) is mandatory for all users seeking No Objection Certificate, Intimation regarding their installation shall be updated in Self-Compliance Module (Phase-I) of BhuNeer APP portal within 30 days of grant of No Objection Certificate.														

Renewal NOC copy

**Half Yearly Environment Clearance Compliance Report of M/s J K Cement Limited
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12)	<p>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.</p>	<p>Complied. We are monitoring and maintaining records w.r.t. ground water level and quality in and around the mine. Ground water level & Quality test report are being submitted to MoEFCC, CGWA and State Groundwater Department / State Pollution Control Board. Latest report is submitted by e-mail dated 18.03.2026 (Ground water level) & (Surface water & quality test report). However, Ground water level and Quality report are enclosed as Annexure-7 and Annexure 7A.</p>
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From: Saurabh Yadav <saurabh.yadav1@jkcement.com>
Date: Wed, 18 Mar, 2026, 8:54 am
Subject: **Submission** of Surface water & **Ground** Water Quality Analysis Reports for the month of January-2026 for Kakra -Panna Limestone Mine of M/s J K Cement Ltd. Located at Village- Kakra, Kamtana, Saptai, Judi, Devri Purohit & Devra, Tehsil-Amanganj, District Panna
To: <dirind-moefcc@gov.in>
Cc: <rdncr-cgwb@nic.in>, Central **Ground** Water Authority <cgwa@nic.in>, <cpch.bhopal@gov.in>, <ms-mppcb@mp.gov.in>, <romppcb_sagar@rediffmail.com>, <rowz.bpl-mef@nic.in>

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-2026 for Kakra -Panna Limestone Mine of M/s J K Cement Ltd. Located at Village- Kakra, Kamtana, Saptai, Judi, Devri Purohit & Devra, Tehsil-Amanganj, District Panna (M.P.)

Reference No.: EC No.-F. No. J-11015/190/2016-IA.II (M) dated 31.08.2020

Submission of **Ground** Water Level Monitoring Report for Kakra -Panna Limestone Mine of M/s J K Cement Ltd., District Panna (M.P.) for the month of January-2026 .

External Inbox x

 → **Saurabh Yadav** Wed, Mar 18, 8:56 AM ☆ 😊 ↶ ⋮

to Central, rdncr-cgwb, dirind-moefcc, ms-mppcb, romppcb_sagar, me, Ravi ▾

To,
The Member Secretary,
Central **Ground** Water Authority,
Jamnagar House, New Delhi-110011
e-mail id: cgwa@nic.in

Subject: **Submission** of **Ground** Water Level Monitoring Report for Kakra -Panna Limestone Mine of M/s J K Cement Ltd. Located at Village Kakra, Kamtana, Saptai, Judi, Devripurohit & Devra, Tehsil-Amanganj, District Panna (M.P.) for the month of January-2026.

Reference No.: CGWA/NOC/MIN/REN/1/2025/11450

Dear Sir,

Water Level & water Quality test report submission by Email.

**Half Yearly Environment Clearance Compliance Report of M/s J K Cement Limited
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13)	<p>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 water quality is being monitored four times in a year viz. pre- monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the record of monitored data is been sent regularly to the Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority and the Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board. Surface water quality 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. "J-20012/1/2006-IA.II(M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.</p>	<p>Complied. Monitoring of mines run-off is being carried out on regular basis. Report is enclosed as Annexure-9. The monitored data is being uploaded on the website of the company under six monthly EC compliance report as well as displayed at main gate in public domain. As per circular No. "J-20012/1/2006-IA.II(M) dated 27.05.2009, Key parameter report is being uploaded at company's website.</p>

Kakra-kantana Limestone Mine					
	Compliance report of Environment Clearance	Environment Clearance	Environmental Monitoring Report	Environment Statement Report	Mine Key Parameter
April-25 to Sep-25					
July-25 to Sep-25					
Oct-25 to Dec-25					


Compliance report & Monitored data uploaded in Company website

**Half Yearly Environment Clearance Compliance Report of M/s J K Cement Limited
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15)	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.	Complied. The rainwater harvesting structure has been developed. Water recharge report will be submitted after monsoon season.
16)	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 the concerned State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.	Agreed. Construction of workshop and Oil and grease trapping system are under progress. Mine pit water is discharged through siltation pond and surface run off water quality is also monitored which is within standard.



M.P. Pollution Control Board
E-8, Arera Colony Parvavaran Puranar, Bhopal - 16 MP. Tel : 0755-2466191, Fax-0755-2463742



Consent Order

RED-MEDIUM CCA Renewal PCB ID: 134835

Outward No: 129317, 26/01/2026 Consent No: AW-63727

To: **The Occupier,**
M/s. J.K Cement Limited- Panna, Limestone Mines
Area -1594.34 hectares ; Village- Kakra,Kantana, Saptal, Judi, Devpurahit & Devra
Tehsil:- Amanganj ; Dist:- Panna (MP), Latitude : 24.3294 Longitude : 79.9677

Subject: Grant of **Renewal of Consent** under section 25 of the Water (Prevention & Control of Pollution) Act, 1974 under section 21 of the Air (Prevention & Control of Pollution) Act, 1986

Ref: **Renewal of Consent** Application R No. 1416967 Dt. 26/12/2025 and last communication received on Dt. 06/01/2026

With reference to your above application for Renewal of Consent has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to grant consent up to 31/01/2027, subject to the fulfillment of the terms & conditions, enclosed with this letter and-

SUBJECT TO THE FOLLOWING CONDITIONS :-

a. Location: Village- Kakra,Kantana, Saptal, Judi, Devpurahit & Devra ; Tehsil:- Amanganj ; Dist:- Panna (MP)

b. Mining Lease area: **1594.34 Hect**

c. Product & Production Capacity:

Activity / Product	Qty / year
Mining of Limestone	4.08 Million Ton Per year
Mine Waste	0.13 Million Ton Per year
Mining of Sub-grade Limestone	0.58 Million Ton Per year
Mining of Inter medium	1.51 Million Ton Per year
Mining of Silt / Adhesion	1.26 Million Ton Per year
Time Stone Cracker	1800 TPI


(1) For any change in above industry shall obtain fresh consent from the Board.
 (2) As per E.C. Mine management has acquired 255 hect land out of 1594.34 hect, further acquisition of land shall be informed as accordingly. No mining shall be carried up to 250 meter distance from the bank of Ken River and embankment of not less than 3 m height above the HFL shall be constructed along river bank.
 (3) PP shall ensure that mining is done in section of lease area as per valid mining plan approved by Regional Controller of Mines IBM Jabalpur for 5 year period - 31.03.2030 & in compliance of the conditions laid in EC granted by MOEF&CC, GOI, N. Delhi vide L. No. J-11051962006-IA/IBM dated 03.03.2021.
 (4) PP shall ensure that solid waste generated during mining process shall be stacked at earmarked site which shall be properly surrounded by earthen drains & settling pits of adequate size so that no Silt/Silt/waste rock is discharged outside the mine lease area/ nearby water body blocking the natural flow of any sub/river/pond. Top Soil / Oil/Sludge shall be biologically recycled.
 (5) Excavation of mineral shall not be through any village or forest area. PP shall provide proper (Concrete/Asphalted) approach road from main road to the mine site & ensure that plantation on both side of this road in percent destination pollution.
 (6) The dust generated during transportation of mineral & deposited on Approach/Haul roads shall be regularly removed by the road sweeping machines & suppressed by intermittent sprinkling of water on roads using pressurized water tankers of adequate capacity. PP shall practice regular compaction of loose material of haulage road & regular water sprinkling shall be done for control of dust and fugitive emission.

The Validity of the consent is up to 31/01/2027 and has to be renewed before expiry of consent validity. Online application through NGN with annual license fees in this regard shall be submitted to this office 6 months before expiry of the consent/Authorization. Board reserves the right to amend/cancel / revoke the above condition in part or whole as and when required.


Enclosures:-
 * Conditions under Water Act* Conditions under Air Act* General conditions

CC to :-
 1. District Mining Officer, (Mining Section), Collector office, **Panna Dist. Panna (M.P.)** for information.
 2. Director, Geology & Mining Khanij Bhawan 29-A, Arera Hills, Bhopal (M.P.) for necessary action please.
 3. Regional officer, Regional office, MPPCB, **Sagar (M.P.)**

By the order of Chairman, MPPCB


 Digitally signed by
 (Organic) Authentication on AADHAR from UIDAI Server
 TPAV # 2MBKFI15K2

Validity unknown
 Digitally signed by A. A. Mishra, Member Secretary
 Date: 26/01/2026 06:35:44 AM


ACHYUT ANAND MISHRA
 Member Secretary

This Certificate generated from sign.mca.gov.in is a valid and does not require technical signature. For verification you can validate online from sign.mca.gov.in using "TPAID" Number. Page 1/8

Valid CTO Copy

17)	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.	Complied. Water balance is submitted to Regional Office of the MoEF&CC and State Pollution Control Board through email from Saurabh.yadav1@jkcement.com on dated Nov 29, 2024.
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**Half Yearly Environment Clearance Compliance Report of M/s J K Cement Limited
issued for Kakra-Panna Limestone Mine, Panna for Period from October-2025 to
March-2026**



	Water balance for period from Apr-2025 to Mar-2026 is given below.
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Sr.No	Water Code	Permission of Water Consumption (KL/Day)	Permission of Waste water generation (KL/Day)	During April-2025 to March-2026		
				Water Consumption (KL/Day)	Waste water generation (KL/Day)	Reuse/recycle
1	Domestic water	20	9.0	6.9	0.0	Nil
2	Dust Suppression	70	0.0	35.3	N/A	N
3	Manufacturing Process	100	0.0	32.7	N/A	N/A
4	Plantation/ Horticulture	40	0.0	19.8	N/A	N/A

IV. Noise and vibration monitoring and prevention

18)	<p>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>	<p>Complied Peak Particle velocity is being monitored as per the DGMS guidelines. Report is enclosed as Annexure-4.</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th colspan="6">Distance from Mine Pit (meter)</th> </tr> <tr> <th>Pit details</th> <th>Dewra Village</th> <th>Kakra Village</th> <th>Judi Village</th> <th>Kamtana Village</th> <th>Saptai Village</th> </tr> </thead> <tbody> <tr> <td>Pit 1</td> <td align="center">450</td> <td align="center">1200</td> <td align="center">2700</td> <td align="center">3400</td> <td align="center">2100</td> </tr> <tr> <td>Pit-2</td> <td align="center">1800</td> <td align="center">750</td> <td align="center">4180</td> <td align="center">3700</td> <td align="center">1300</td> </tr> </tbody> </table>	Distance from Mine Pit (meter)						Pit details	Dewra Village	Kakra Village	Judi Village	Kamtana Village	Saptai Village	Pit 1	450	1200	2700	3400	2100	Pit-2	1800	750	4180	3700	1300
Distance from Mine Pit (meter)																										
Pit details	Dewra Village	Kakra Village	Judi Village	Kamtana Village	Saptai Village																					
Pit 1	450	1200	2700	3400	2100																					
Pit-2	1800	750	4180	3700	1300																					
19)	<p>The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours</p>	<p>Complied. As the mine is running only in two shifts hence the question of sound and illumination at night to disturb the sleeping is not arisen. The illumination and Noise levels are being monitored and maintained within the prescribed limits. Noise monitoring Reports is enclosed as Annexure-10.</p>																								
20)	<p>The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided 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.</p>	<p>Complied. Regular maintenance of HEMM is being carried out. PPEs like earplugs/muffs etc. has been provided to the workers working near high noise area. Training and awareness programs on health and safety aspects are being organized regularly. Photograph as enclosed in given below. Work Zone Noise & personal dust Monitoring Reports is enclosed as Annexure-11.</p>																								

**Half Yearly Environment Clearance Compliance Report of M/s J K Cement Limited
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V) Mining Plan		
21)	<p>The Project Proponent shall adhere to approved mining plan, inter alia, including, total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (method of mining, overburden & dump management, O.B. & dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life; etc.).</p>	<p>Complied. Mining activities are being carried out as per the approved mining plan. Approved mining plan copy No. E 12104 MCDR-MPC0LST/43/2024-JBP-IBM_RO_JBP and valid up to 31.03.2030.</p>
22)	<p>The mining shall be governed as per the approved Mining Plan. The excavation vis-a-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes self-sustaining. The compliance status shall be submitted half-yearly to the MoEFCC and its concerned Regional Office.</p>	<p>Complied. Mining activities and land use planning are being done as per the approved mining plan. Backfilling has not started yet as the area is not matured and the afforestation will be done on reclaimed area as per the approved mining plan.</p>
VI. Land reclamation		
23)	<p>The Overburden (O.B.), waste and topsoil generated during the mining operations shall be stacked at earmarked OB dump site(s) only and it should not be kept active for a long period of time. The physical parameters of the OB / waste dumps / topsoil dump like height, width and angle of slope shall be governed as per the approved Mining Plan and the guidelines/circulars issued by D.G.M.S. The topsoil shall be used for land reclamation and plantation.</p>	<p>Complied. OB and topsoil generated during the mining operations are being stacked at earmarked OB dump site only as per approved mining plan. Physical parameters of the OB/waste dumps /topsoil dump height, width and angle of the slope are being maintained as per the approved mining plan and also as per the guidelines/circular's issues by the DGMS. The top soil is being used for plantation and stored in the designated areas.</p>
	 <p align="center">Top Soil</p>	 <p align="center">OB dump</p>
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.</p>	<p>Complied. As per approved mining plan. Approved mining copy enclosed as above.</p>

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	<p>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>	
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. We have just started the mining activity in the lease area. Bunds has been created around the mine working pit. Catch drains, settling tanks and siltation ponds are being created around the mine working, mineral yards and Top Soil/OB/Waste dumps to prevent surface run off. Collected Mine water will be utilized for watering the mine area, roads, green belt development, plantation etc. Drains/ sedimentation sumps etc. will be de-silted regularly, particularly after monsoon season, and maintained properly. Garland drain & sedimentation pit photo enclosed as below.</p>



Garland drains



Siltation pond photo

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26)	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.	Complied. Check dams of appropriate size, gradient and length will be constructed around mine pit and OB dumps to prevent storm run-off and sediment flow into adjoining water bodies. A safety margin of 50% will be kept properly. Sedimentation pits are constructed at the corners of the garland drain. Garland drain & sedimentation pit photo as enclosed on above.
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<u>VII. Transportation</u>		
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 of the minerals is being passed through villages/ habitations. 2 nos. Water tankers has been deployed for sprinkling over haul road. Vehicular emissions are kept under control and regularly being monitored. PUC of all vehicles are done periodically.
	<u>Valid vehicle PUC Certificate copy</u>	

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Water sprinkling in Mines haulage road



Water sprinkling photo

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.

Complied.
On the main haulage road the dust suppression is being done through two water tankers. Water sprinkling photo as enclosed above). Dust suppression within mining lease roads are being done regularly with water tankers.

Water sprinkler and fogging system has been provided at other areas of dust generation like crushing zone, material transfer points, material yards etc. The crusher has been provided with air pollution control equipment like bag filters, vacuum suction hoods, dry fogging system and covered belt-conveyors. We have also installed permanent water sprinkling system to control the road dust.

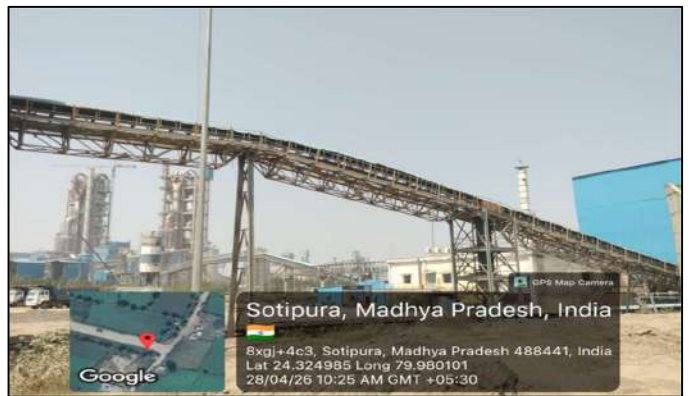
**Half Yearly Environment Clearance Compliance Report of M/s J K Cement Limited
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Water Sprinkling photo



Bag Filter photo



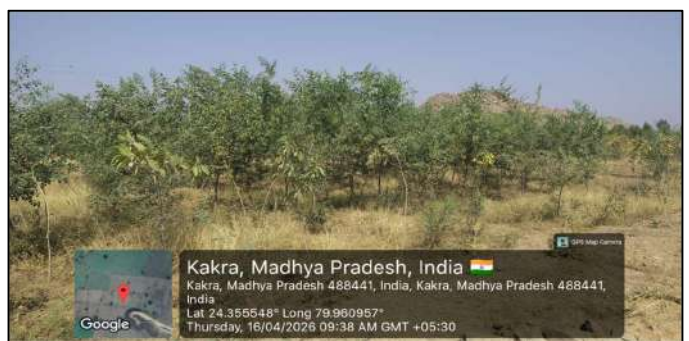
covered belt-conveyors

VIII. Green Belt

29) 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.


Compliance on progress.

Plantation is being done as per the EC condition and approved mining plan. We have started plantation all along the boundary of mining lease area. Plantation is being carried out in 7.5 m ML boundary and nearby Crusher area. A total of 61520 no. of sapling have been planted in 24.61 Ha of area up to March-2026.



Plantation at Kakra mines area.

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30)	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	Complied Presently pits are active. Backfilling will be done as per approved mining plan.
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.	Complied. Presently, there is no grazing land in the mine lease area.
<u>IX. Public hearing and human health issues</u>		
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 Laboure camps has been provided with all amenities within the cement plant premises. STP has been installed for treatment of Sewage water.  STP With Capacity 300KLD
<u>X. Corporate Environment Responsibility (CER)</u>		
33)	The activities and budget earmarked for Corporate Environmental Responsibility (CER) as per Ministry's O.M No 22-65/2017-IA. II (M) dated 01.05.2018 or as proposed by EAC should be kept in a separate bank account. The activities proposed for CER shall be implemented in a time bound	Complied. CER/CSR including activities raised during public hearing three years time-bound action plan has been submitted to the concerned RO of the Ministry.

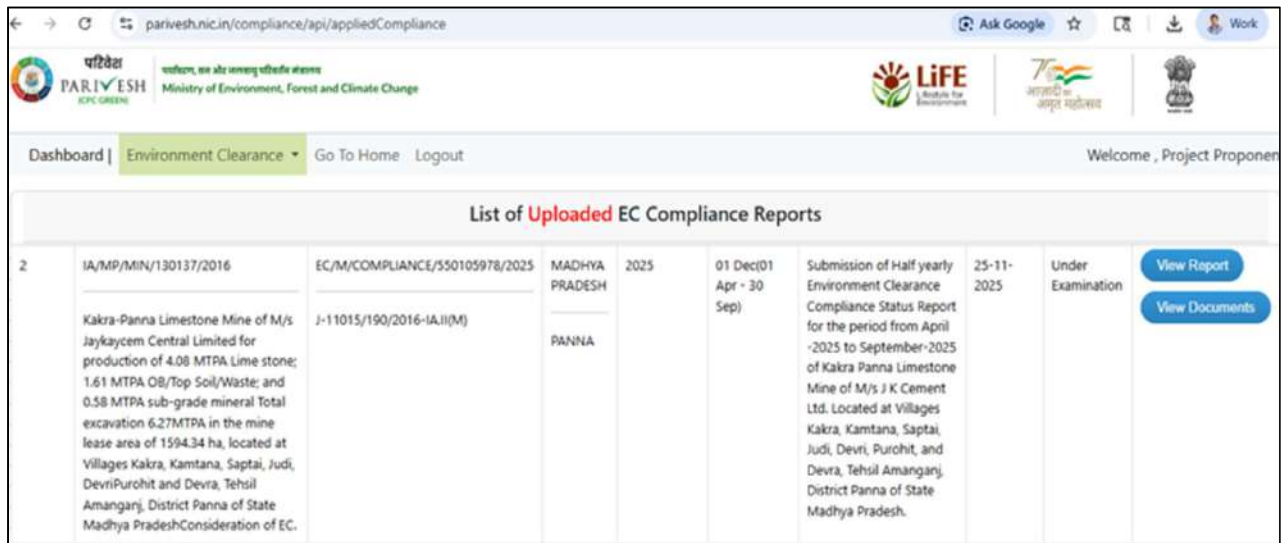
Half Yearly Environment Clearance Compliance Report of M/s J K Cement Limited issued for Kakra-Panna Limestone Mine, Panna for Period from October-2025 to March-2026



Letter & Email copy

36) The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MOEFCC & its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.

Complied.
Six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MOEFCC & its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board is being submitted regularly. Last EC compliance report submission during April-2025 to September-2025, Letter no. JKCEMENT/ENV/EC/KAKRA/2025-26/03/20 dated 22.11.2025. copy as enclosed in given below.



EC report uploading in Parivesh portal

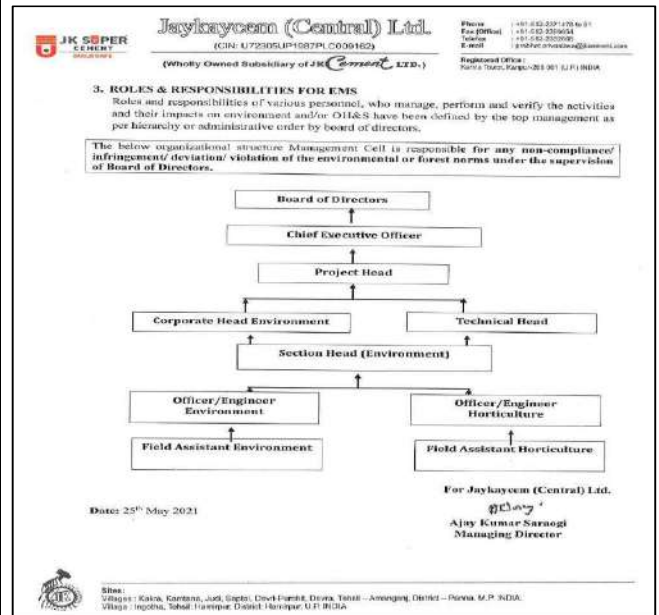
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Submission of half yearly EC compliance report copy

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, MoEFCC.

Complied.
A separate 'Environmental Management Cell' has been established under the Senior Executive who directly report to Head of the organization.



Head of the Organization

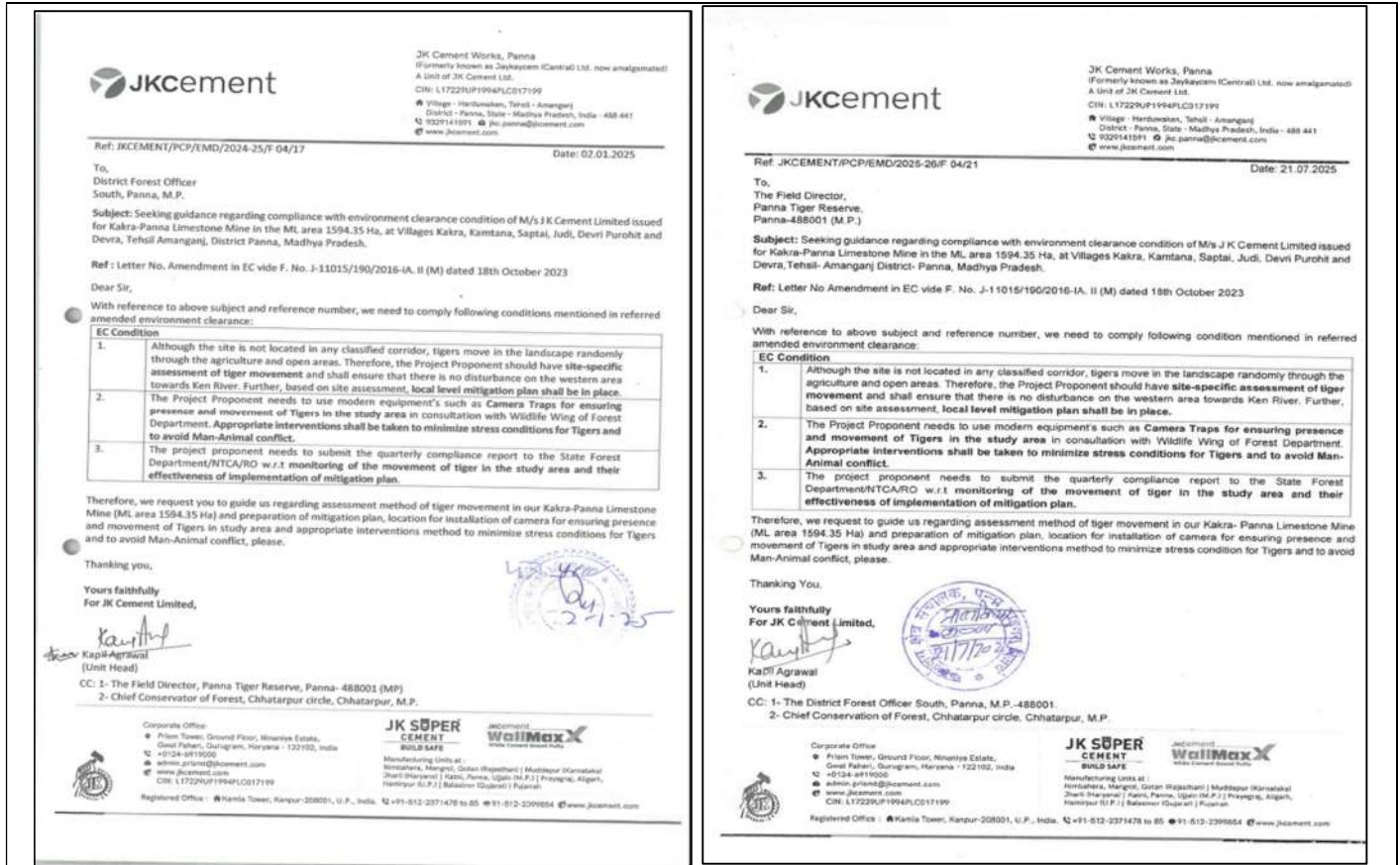
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38	The concerned Regional Office of the MoEFCC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEFCC officer(s) by furnishing the requisite data / information / monitoring reports.	Complied.
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.	Agreed and Noted.
25.	The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	Agreed and Noted.
26.	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.	Agreed and Noted.
27.	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.	Agreed and Noted.
28.	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 and Noted.
Amendment in EC vide F. No. J-11015/190/2016-IA. II (M) dated 18th October 2023		
1	DUST SUPPRESSION	
1.1	Project Proponent needs to make provision for permanent water sprinklers so as to reduce the water consumption. Further, 10 nos. of fog canon/mist sprayer of at least 40 m throw shall be installed at various locations in the mine area. Effective dust suppression system shall also be adopted at other parts of the mining lease to arrest the fugitive dust emission. Online air monitoring system should be installed near crusher and haul roads to control dust generation during mining.	Complied. Permanent water sprinklers have been installed on the Mine Haulage road. Fogging systems are installed at unloading point. Regular water sprinkling has been carried out on mine haulage road to control the fugitive dust emission. Bag filter has been installed and belt conveyors with covered corrugated sheets are installed to control the fugitive dust emission.

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		<p>01 nos. Fog canon/mist sprayer has been purchased and seeing the performance, remaining will be installed.</p>  <p align="center">Fog canon/mist sprayer</p> <p>3 nos. of Online air monitoring system (CAAQMS) have been installed at boundary of the ML.</p>
2	SINGLE USE PLASTIC	
2.1	<p>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.</p>	<p>Complied. Awareness program among the near schools the ban of Single Use Plastic (SUP) has been carried out and report with photographs are attached as Annexure - 12.</p>
3	CLEAN ENERGY	
3.1	<p>The Project Proponent shall explore the possibility of using at least 20% of electric vehicles/CNG/Solar instead of diesel operation within three years.</p>	<p>Complied. An electrical fork lift is purchased and used in mining.</p>
4	GREATER PANNA LANDSCAPE	
4.1	<p>The Project Proponent shall not transport the mineral through tiger dispersal route and it should be routed through other side without causing traffic, pollution and roadkill in the tiger reserve area.</p>	<p>Complied. As the mining lease area is not falling under tiger dispersal route hence causing traffic, pollution and road kill in tiger reserve area is not anticipated.</p>
4.2	<p>Although the site is not located in any classified corridor, tigers move in the landscape randomly through the agriculture and open areas. Therefore, the Project Proponent should have site-specific assessment of tiger movement and shall ensure that there is no disturbance on the western area towards Ken River. Further, based on site assessment, local level mitigation plan shall be in place.</p>	<p>Complied We have submitted request letter to District Forest South, Panna for guidance regarding compliance of this condition via letter no. JKCEMENT/PCP/EMD/2024-25/F04/14 dated 16.08.2024. A follow up letter is submitted via letter no. JKCEMENT/PCP/EMD/2024-25/F 04/17 dated 02.01.2025 & letter no. JKCEMENT/PCP/EMD/2025-26/F 04/21 dated 21.07.2025</p>

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4.3	The Project Proponent needs to use modern equipment's such as Camera Traps for ensuring presence and movement of Tigers in the study area in consultation with Wildlife Wing of Forest Department. Appropriate interventions shall be taken to minimize stress conditions for Tigers and to avoid Man-Animal conflict.	Complied We have submitted request letter to District Forest South, Panna for guidance regarding compliance of this condition via letter no. JKCEMENT/PCP/EMD/2024-25/F04/14 dated 16.08.2024. A follow-up letter is submitted via letter no. JKCEMENT/PCP/EMD/2024-25/F 04/17 dated 02.01.2025 & letter no. JKCEMENT/PCP/EMD/2025-26/F 04/21 dated 21.07.2025.
4.4	Biodiversity management plan, including restoration and carbon offset scheme shall be included in the mine plan and operation.	Complied We have requested to agency for furnishing offer for this study.
4.5	The project proponent needs to submit the quarterly compliance report to the State Forest Department/NTCA/RO w.r.t monitoring of the movement of tiger in the study area and their effectiveness of implementation of mitigation plan.	Agreed and will be complied
5	SKILL DEVELOPMENT	
5.1	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 has been provided to 176 Nos. local residents admission during the FY:2025-26.

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March-2026**



(M/s JK Cement Institute of Technology ITI)

6	MISCELLANEOUS	
6.1	All other terms and conditions mentioned in the EC letter dated 31.08.2020 shall remain unchanged.	Noted and Agreed

Yours Sincerely

**For: M/s Kakra Panna Limestone Mine
(A Unit of J K Cement Limited, Panna)**

Kapil Agrawal
(Kapil Agrawal)
Unit Head



By e-mail

**GOVERNMENT OF INDIA
MINISTRY OF MINES
INDIAN BUREAU OF MINES
OFFICE OF THE REGIONAL CONTROLLER OF MINES, JABALPUR**

No. E 6699 MCDR-MPC0LST/15/2023-JBP-IBM_RO_JBP

Dt: 19/06/2023

Shri/M/s. JAYKAYCEM (Central) LIMITED ,
Kamla Tower Kanpur U.P. 0 Kanpur

KAKRA PANNA Limestone mine (45908601)

Sub Approval of Modification in Approved Mining Plan in respect of Kakra Panna Limestone Mine over an area of 1594.34 Hect; situated in : Kakra Village, Amanganj Taluka, Panna District of Madhya Pradesh State.

- References: 1) Draft Modification of Mining plan received on MPAS, dated – 25/04/2023
2) This office scrutiny comments dated – 24/05/2023 & 14/06/2023
3) final copy of Modification of Mining Plan received on MPAS, dated – 17/06/2023

Dear Sir,

In exercise of the powers conferred under Clause (b) of Sub-section (2) of Section 5 of Mines and Minerals (Development and Regulation) Act, 1957 and clause (3) of Rule 17 of the Minerals (Other than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016 read with Government of India Order No.S.O.445(E) dated 28.04.1987 and S.O. 1857(E) dated 18th May, 2016;, I hereby **Approve** the above said Modification in Approved Mining Plan submitted under Rule 17(3) of Minerals (Other than Atomic and Hydrocarbons Energy Minerals) Concession Rules, 2016. This approval is subject to the following conditions: -

1. The Modification in Approved Mining Plan is approved without prejudice to any other law applicable to the mine area from time to time whether made by the Central Government, State Government or any other authority and without prejudice to any order or direction from any court of competent jurisdiction.
2. The proposals shown on the plates and /or given in the document is based on the lease map /sketch submitted by the lessee and is applicable from the date of approval.
3. It is clarified that the approval of aforesaid Modification in Approved Mining Plan does not in any way imply the approval of the Government in terms of any other provision of Mines & Minerals (Development & Regulation) Act, 1957, or the Minerals (Other than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016 and any other laws including Forest (Conservation) Act, 1980, Environment (Protection) Act, 1986 or the rules made there under, Mines Act, 1952 and Rule & Regulations made there under.
4. Indian Bureau of mines has not undertaken verification of the mining lease boundary on the ground and does not undertake any responsibility regarding correctness of the boundaries of the leasehold shown on the ground with reference to lease map & other plans furnished by the lessee.
5. At any stage, if it is observed that the information furnished, data incorporated in the document are incorrect or misrepresent facts, the approval of the document shall be revoked with immediate effect.
6. If the approval conflicts with any other law or court order/direction under any statute, it shall be revoked immediately.
7. You have signed Mine Development & Production Agreement (MDPA) with State Government paying performance security of **53,26,86,050/- (Rupees Fifty Three Crore Twenty Six Lakh Eighty Six Thousand Fifty only) to The Governor of Madhya Pradesh, Department of Mines & Geology, Bhopal having validity up to 31/08/2025.**
8. This approval is restricted in respect of proposals given in the document **for the period 2023-24 (from the date of approval) to 2024-25 with validity up to 31/03/2025**, subject to all other statutory clearances.
9. It shall be mandatory to project proponent, abstracting ground water to obtain **No objection certificate** form Central Ground Water Authority or the M.P. State Ground Water Authority.
10. As per Madhya Pradesh State Government's order dated 10/08/2011 if there is enhancement of production proposed from that in the approved scheme of mining under such circumstances additional stamp duty has to be paid by the lessee for the enhances quantum of production and also a supplementary agreement has to be made by the lessee.

Yours faithfully,

(Pukhraj Nenival)

Regional Controller of Mines

Indian Bureau of Mines, Jabalpur

Copy for information to-

1. The Director of Geology and Mining, Govt. of Madhya Pradesh, Khaniz Bhawan, 29A Arera Hills, Jail Road, Bhopal (MP).
2. The Controller of Mines (CZ), Indian Bureau of Mines, Nagpur.
3. The District Collector, Panna (M.P.)
4. Shri Indraneel Dawande, 1338, Vijay Nagar, Jabalpur E mail: - engeotech@rediffmail.com

(Pukhraj Nenival)

Regional Controller of Mines

KAKRA PANNA Limestone mine (45908601)

Indian Bureau of Mines, Jabalpur

Approved

Chapter 1 : General Information

1.1 : Lease Details

IBM Registration Number :	IBM/16851/2013
Lease Code :	45908601
Mine Code :	38MPR420002
Name of Lessee :	JAYKAYCEM (Central) LIMITED
Address of Lessee :	Kamla Tower Kanpur U.P. 0 Kanpur
Type of Lessee :	Private
Name of Mining Lease :	KAKRA PANNA Limestone Mine
State :	MADHYA PRADESH
District :	PANNA
Tehsil/ Taluk/ Mandal :	Amanganj
Village :	Kakra
Lease Area (Ha) :	1594.34
Forest Area (Ha) :	0.0000
Name of Minerals :	LIMESTONE
Name of associated minerals :	

Type :	Existing Lease
Period of the proposal (FY) from :	2023 - 24
Period of the proposal (FY) to :	2024 - 25
Type of working :	Opencast
Nature of Use :	Captive
Category of Mine :	Category A

1.1.1 : Initial/subsequent Lease grant details

Grant	From	To	Lease deed execution date	Lease registration date
Initial Grant	23/09/2020	22/09/2070	09/09/2020	23/09/2020

1.1.2 : Mining Plan Submission Criteria Details

Type of Document :	Modification Of Mining Plan Under Rule 17(3) Of MCR, 2016
Reason/s For Modification :	Modification Is Being Opted To Propose More Working Pits Considering Availability Of Acquired Land, Quantity And Quality Of Limestone To Fulfill The Requirement Of Our Cement Plant. In Previous Approved Mining Plan There Is Only One Working Pit.
Period for which modification is proposed :	2023-2024 to 2024-2025

1.2 : Land Ownership Details

View Land Ownership Details Excel	Land_Ownership_Details.xlsx
-----------------------------------	---

1.3 : Existing Lease

Date of Execution :	09/09/2020
---------------------	------------



File No.: J-11015/190/2016-IA.II(M)
 Government of India
 Ministry of Environment, Forest and Climate Change
 IA Division



Dated 18/10/2023



To,

Shri Anil Badgotri
 JAYKAYCEM CENTRAL LIMITED
 Kamla Tower, Kanpur, UP , Kanpur, KANPUR NAGAR, UTTAR PRADESH, Kamla Tower, 208001
 aditya.singh@jkcement.com

Subject: Amendment in Environmental Clearance (EC) 01/07/2023 granted to the project under the provision of the EIA Notification 2006 -regarding.

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number EC23A0000MP5720689A dated 30/06/2023 for grant of an amendment in prior Environmental Clearance (EC) to the project under the provision of the EIA Notification 2006-and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC23A0000MP5720689A
(ii) File No.	J-11015/190/2016-IA.II(M)
(iii) Clearance Type	Amendment in EC
(iv) Category	A
(v) Schedule No./ Project Activity	1(a) Mining of minerals
(vi) Sector	Non-Coal Mining
(vii) Name of Project	Amendment /Revalidation of EC w.r.t specific condition No (I) of EC dated 31.08.2020 in Kakra-Panna Limestone Mine (ML Area 1594.34 ha), located at Villages Kakra, Kamtana, Judi, Devra, Devri Purohit and Saptai, in Amanganj Tehsil, District Panna, Madhya Pradesh proposed by M/s Jaykaycem Central Limited.
(viii) Location of Project (District, State)	PANNA, MADHYA PRADESH
(ix) Issuing Authority	MoEF&CC
(x) EC Date	
(xii) Applicability of General Conditions	NO
(xiii) Status of implementation of the project	

1. In view of the particulars given in the Para 1 above, the project proposal interalia including Form-1(Part A, B and C)/ EIA & EMP Reports were submitted to the MoEF&CC for an appraisal by the EAC under the provision of EIA notification 2006 and its subsequent amendments.
2. The above-mentioned proposal has been considered by EAC in the meeting held on 21/09/2023. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed from the PARIVESH portal by scanning the QR Code above or through the following web link [click here](#).
3. The brief about the reasons for an amendment requested along with comparison table illustrating the details of amendments are annexed to this letter as Annexure (1).
4. The brief about the reasons for an amendment requested along with comparison table illustrating the details of amendments are annexed to this letter as Annexure (1)The EAC/SEAC, in its meeting held on 21/09/2023, based on information & clarifications provided by the project proponent and after detailed deliberations recommended the proposal for grant of amendment in Environment Clearance under the provision of EIA Notification, 2006 and as amended thereof.
5. The EAC has examined the proposal in accordance with the extant provisions of the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and accepted the recommendations and hereby accords the amendment in EC dated 31.08.2020 to w.r.t waive off the specific condition no: (i) of M/s Jaykaycem Central Limited in Kakra- Panna Limestone Mine for production capacity of 4.08 MTPA of Limestone in the mine lease area of 1594.34 ha, located at Villages Kakra, Kamtana, Judi, Devra, DevriPurohit and Saptai, in Amanganj Tehsil, District Panna, Madhya Pradesh subject to compliance of certain additional specific condition.
6. This issues with the approval of the Competent Authority.

Copy To

1. **The Secretary**, Ministry of Mines, Government of India Shastri Bhawan, New Delhi.
2. **The Secretary**, Department of Mines and Geology, Government of Madhya Pradesh, Secretariat, Bhopal.
3. **The Secretary**, Department of Environment, Government of Madhya Pradesh, Secretariat, Bhopal.
4. **The Secretary**, Department of Forests, Government of Madhya Pradesh, Secretariat, Bhopal.
5. **The Chief Wildlife Warden**, Government of Madhya Pradesh, Van Bhawan, 1st Floor, Tulsi Nagar, Bhopal - 462 003.
6. **The Deputy Director General of Forests (C)**, Ministry of Env., Forest and Climate Change, Regional Office (WZ), E-5, Kendriya Paryavaran Bhawan, E-5 Arera Colony, Link Road No.3, Ravishankar Nagar, Bhopal - 462 016.
7. **The Member Secretary**, Central Pollution Control Board, Parivesh Bhawan, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110 032.
8. **The Member Secretary**, Central Ground Water Authority, 18/11, Jam Nagar House, Man Singh Road, New Delhi-110011.
9. **The Member Secretary**, Madhya Pradesh State Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal - 462016.

10. **The Controller General**, Indian Bureau of Mines, Indira Bhavan, Civil Lines, Nagpur- 440 001.

11. **The District Collector**, Panna District, Government of Madhya Pradesh.

12. **Guard File**.

13. **PARIVESH Portal**.

Annexure 1

Specific EC Conditions for (Mining of minerals)

1. Dust Suppression

S. No	EC Conditions
1.1	The Project Proponent needs to make provision for permanent water sprinklers so as to reduce the water consumption. Further, 10 nos. of fog canon/mist sprayer of atleast 40 m throw shall be installed at various locations in the mine area. Effective dust suppression system shall also be adopted at other parts of the mining lease to arrest the fugitive dust emission. Online air monitoring system should be installed near crusher and haul roads to control dust generation during mining.

2. Single Use Plastic

S. No	EC Conditions
2.1	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.

3. Clean Energy

S. No	EC Conditions
3.1	The Project Proponent shall explore the possibility of using atleast 20% of Electric vehicles/CNG/Solar instead of diesel operation within three years.

4. Greater Panna Landscape

S. No	EC Conditions
4.1	The Project Proponent shall not transport the mineral through tiger dispersal route and it should be routed through other side without causing traffic, pollution and road kill in the tiger reserve area.
4.2	Although the site is not located in any classified corridor, tigers move in the landscape randomly through the agriculture and open areas. Therefore, the Project Proponent should have site-specific assessment of tiger movement and shall ensure that there is no disturbance on the western area towards Ken River. Further, based on site assessment, local level mitigation plan shall be in place.

S. No	EC Conditions
4.3	The Project Proponent needs to use modern equipment's such as Camera Traps for ensuring presence and movement of Tigers in the study area in consultation with Wildlife Wing of Forest Department. Appropriate interventions shall be taken to minimize stress conditions for Tigers and to avoid Man-Animal conflict.
4.4	Biodiversity management plan, including restoration and carbon offset scheme shall be included in the mine plan and operation.
4.5	The project proponent needs to submit the quarterly compliance report to the State Forest Department/NTCA/RO w.r.t monitoring of the movement of tiger in the study area and their effectiveness of implementation of mitigation plan.

5. Skill Development

S. No	EC Conditions
5.1	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.

6. Miscellaneous

S. No	EC Conditions
6.1	All other terms and conditions mentioned in the EC letter dated 31.08.2020 shall remain unchanged.

Annexure 2

Amendment Logs

Description	Reference	Existing	Proposed / Amendment	Reason
NA	NA	NA	NA	NA



भारत सरकार
Govt. of India
श्रम एवं रोजगार मंत्रालय
Ministry of Labour & Employment
स्यान सुरक्षा महाविदेशालय
Directorate-General of Mines Safety



NO: 36249961|WZ|Jabalpur Region|Perm|2023|255843

Date: 08/05/2023

From
Director of Mines Safety, JABALPUR REGION Region, WESTERN ZONE NAGPUR MAHARASHTRA

To

The Agent,
Kakra Panna Limestone Mine,
M/s Jaykaycem(Central) Ltd
Village-Harduwaken, Tehsil-Amanganj,
Dist- Panna (M.P) 488441.

Subject:Relaxation under Provisions of Regulation 106(2)(b) of the Metalliferous Mines Regulations,1961 to use Heavy Earth Moving Machineries (HEMMs) in conjunction with a system of deep hole blasting at Kakra Panna Limestone Mine of M/s Jaykaycem(Central) Limited located at village-Devra , Tehsil-Amanganj, Dist- Panna (M.P)

Sir

Please refer to your online application submitted vide ID: 255843, dated 21.04.2023, offline letter no.JKKCL/MINES/KPLM/DGMS/106(2)(b)/78 dated 18.04.2023; letter no. JKKCL/MINES/KPLM/DGMS/106(2)(b)/79 dated 21.04.2023; enclosing therewith Surface Plan No. JKC/MINES/KPLM/SURFACE PLAN/01 dated 23.03.2023 of the mine in offline mode on the above subject.

The matter has been considered in the light of information furnished by you in your application and accompanying plans/sections and other enclosures.

In exercise of the powers conferred on the Chief Inspector of Mines (also designated as Director-General of Mines Safety) under Regulation 106(2)(b) of the Metalliferous Mines Regulations, 1961, and by virtue of the authorization granted to me by the Chief Inspector of Mines (also designated as Director-General of Mines Safety) under Section 6(1) of Mines Act, 1952, I, hereby grant you relaxations from the Provisions of Regulation 106(2)(b) of the Metalliferous Mines Regulations,1961 to use Heavy Earth Moving Machineries (HEMMs) in conjunction with a system of deep hole blasting at Kakra Panna Limestone Mine of M/s Jaykaycem(Central) Limited located at village-Devra , Tehsil-Amanganj, Dist.- Panna (M.P) in the area bounded and marked by points WB-1,WB-2,.....,WB-22 & WB-1 as shown on surface plan NO. JKC/MINES/KPLM/SURFACE PLAN/01 dated 23.03.2023 subject to the following conditions being strictly complied with.

1.0 GENERAL:

- 1.1 The conditions as mentioned in the Annexure 'A' of this permission letter shall be strictly complied with.
- 1.2 Except where otherwise provided for in this permission, all provisions of the Metalliferous Regulations, 1961 relating to opencast workings, use of explosives and use of machinery etc. shall be strictly complied with.
- 1.3 The opencast workings shall not be extended in areas within the lease unless the land has been acquired by the mine owner and is under the owner's physical possession.

1.4 No working shall be made or extended within 45 m of any building/structure/railway of permanent nature, not belonging to owner of the mine without permission in writing from this Directorate under Regulation 109 of the Metalliferous Mines Regulations, 1961.

1.5 No working shall be made in any spot lying within horizontal distance of 15 m from either bank of the Canal or any stream, Nallah, etc. without obtaining permission in writing from this Directorate under Regulation 127 of the Metalliferous Mines Regulations, 1961. Adequate protection against inrush of Nallah water in the mine shall be provided and maintained.

1.6 During heavy rain, the Manager or senior most mine official present in the mine, shall go round the surface area of the mine to check vulnerable points and effectiveness of the safety measures. Standing orders for withdrawal of persons from the mine in case of apprehended danger should be framed and enforced.

1.7 (a) No Deep hole blasting shall be carried out within 300m of any structure not belonging to the owner unless permitted by this Directorate in writing under Regulation 164 (1-B) of the Metalliferous Mines Regulations

(b) No blasting shall be conducted using SME/SMS/ANFO explosive without having valid permission obtained under Regulation 155(1) & 162(5) of Metalliferous Mines Regulations, 1961

(c) Regular deep hole blasting shall be carried out using Shock tube/Non-electric initiation system.

(d) The working faces in the mine shall be so oriented that the free face for blasting is away from the adjoining mine/Crusher/school/temple etc. if any.

1.8 No blasting in the mine shall be carried out within 300m of public roads till such time the blasting in charge has ensured that no persons/vehicles pass on such roads during the time of blasting. For the purpose, drop bar barrier shall be provided on both side of such road at a distance of 300m from the place of firing of shots in the proposed limit of quarry and during blasting, guard shall be posted on the barrier and persons/vehicles shall not be allowed to pass on the said road during blasting and till the time all clear signal after blasting is obtained.

1.9 Blasting shall be conducted only after ensuring that persons including blaster within 500 m radial distance from place of firing of shot holes have taken proper shelter. The persons/employees of the adjoining mine nearby and within 500m radial distance shall also be informed and ensured that they have taken proper shelter.

1.10 An embankment of at least 3m higher than the HFL on eastern side to prevent inrush of water from nallah, designed and constructed on sound civil engineering principles to serve as dam shall be provided and maintained to prevent inrush of water in the mine.

1.11 Special care shall be taken when any slip or other planes of weakness or other geological disturbances exist, so as to prevent danger to the work-persons.

1.12 The owner shall indemnify occupants/owners of the houses/ dwellings/ buildings or other structures of public authority concerned, if any, against the dangers to those properties or injury to them or other persons arising out of operations conducted under this permission.

1.13 No blasting shall be conducted within 100m of any dwellings, roads, railways and other important structures not belonging to the owner of the mine. The blasting in the mine shall be carried out strictly as per the stipulations laid down in Regulation 164 of the MMR, 1961.

1.14 No blasting for any purpose shall be done within 300m from the boundary of sub-station or from the electric supply lines of voltage exceeding 650V or tower structure thereof without the written permission of the owner of such sub-station or electric supply lines or tower structures and in case of mining lease hold area, without the written permission of the Inspector of Mines under CEAR-2010.

2.0 Supervision:

2.1 A person possessing First Class Mine Manager's Certificate of competency under Regulation MMR, 1961 shall be appointed as the manager of the mine. This permission shall stand revoked as soon as the qualified manager ceases to work at the mine. Use of HEMM shall be suspended in the absence of manager with aforesaid qualification.

2.2 Adequate number of supervisors including duly qualified Assistant Managers, Foremen and Mining Mates shall be appointed in each working shifts to assist the Manager. The Manager, Assistant Manager, Foreman and Mate shall be responsible to ensure compliance of stipulations of conditions governing grant of this permission and other provisions of the Regulations, Rules, bye-laws, orders, and circulars issued from time to time, as may be applicable. They shall also supervise transport and loading operations being done by contractor(s), if any

2.3 A duly qualified engineer shall be appointed to hold charge of all machinery at the mine and shall be responsible for the proper installation, maintenance and safe working of such machinery.

2.4 During production shift the opencast workings shall be place under the charge of an Assistant Manager, holding at least Manager's Certificate who shall be responsible to see that all the regulations and the orders made there under are strictly complied with.

2.5 A code specifying duties and responsibilities of all mine-officials, i.e. Engineer, Supervisors, Technicians, Mechanics, Fitters, Machine Operators, helpers, loading supervisors etc. shall be drawn up by the Manager and distributed to all concerned.

2.6 The Manager shall issue to every Driver/Operator, Supervisor and Mine Official connected with the use of Heavy Earth Moving Machinery, a copy of rules/regulations/SOP, orders made there-under and guidelines listed in this permission governing his duties, in a language understood by the person concerned. The Manager and the Engineer shall be responsible to ensure that all the precautions and guidelines listed in this permission are strictly followed by all concerned.

2.7 It shall be the responsibility of the Manager, Engineer and other supervisors to ensure that all persons working in the mine, and those working on machines/equipment etc. work as per the code and all machines and equipment etc. are installed, operated and maintained in safe working conditions.

2.8 Operations connected with Drilling, Charging, Stemming and Blasting of deep holes shall be placed under overall charge of a person holding at least Manager's Certificate of Competency granted under Metalliferous Mines Regulations, 1961, who shall supervise the said operations in accordance with the guidelines and directives issued by the Manager.

2.9 Blasting parameters of each blast with a sketch showing the drilling pattern and the holes charged shall be maintained in register kept for the purpose for each blast.

2.10 Manager shall frame code of practices for each operation and copy of it shall be handed over to all concerned. It shall be the duty of all statutory persons to enforce the code of practices so framed.

2.11 Manager shall in particular:- Prepare "Safety Management plan" as per guidelines of DGMS Circular No. DGMS (Tech) (S&T) Circular No: 13 of 2002, DGMS (Tech) (S&T) Circular No: 02 of 2011 & DGMS (Tech) (S&T) Circular No. 05 of 2016.

3.0 Please note that, this permission is subject to the following additional conditions.

3.1 In the event of any change in the circumstances connected with this permission which is likely to endanger the life of workmen employed in the mining operation for which this permission has been granted shall be stopped forthwith and intimation thereof sent to this Directorate. The said mining operation shall not be resumed without an express and fresh permission in writing.

Date/Time Long at 13:33:15 November 5, 2025
Trigger Source Geo: 0.600 mm/s, Mic: 110.0 dB(L)
Range Geo: 254.0 mm/s
Record Time 3.0 sec at 2048 sps
Operator/Setup: Operator/MINES.MMB

Serial Number UM20052 V 10-90FB Micromate ISEE
Battery Level 3.8 Volts
Unit Calibration February 22, 2025 by UES New Delhi
File Name UM20052_20251105133315.IDFW

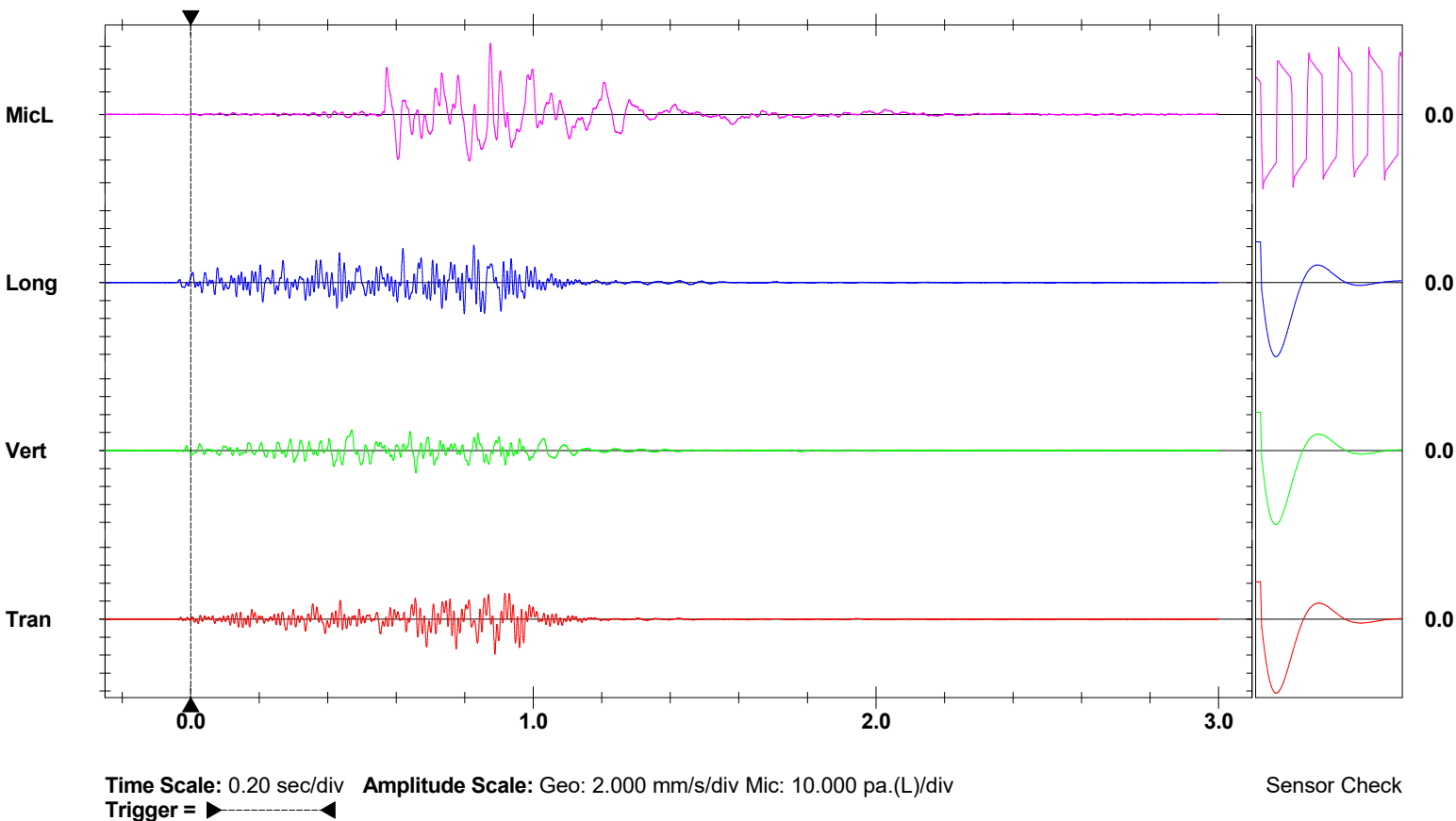
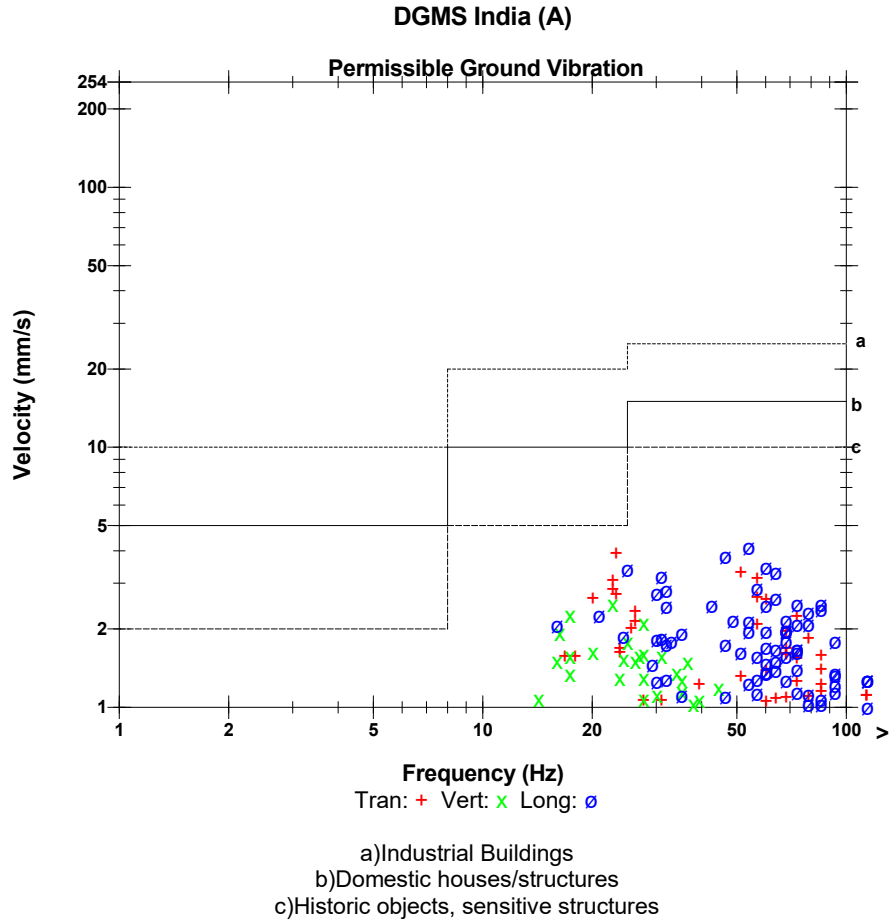
Notes

Location:
 Client:
 User Name: KAKRA PANNA LIMESTONE MINES
 General:

Microphone Linear Weighting
PSPL 123.9 dB(L) at 0.875 sec
ZC Freq 32 Hz
Channel Test Passed (Freq = 19.7 Hz Amp = 1220 mv)

	Tran	Vert	Long	
PPV	3.909	2.499	4.146	mm/s
ZC Freq	23	23	54	Hz
Time (Rel. to Trig)	0.888	0.658	0.827	sec
Peak Acceleration	0.110	0.072	0.150	g
Peak Displacement	0.020	0.020	0.021	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.3	7.3	7.5	Hz
Overswing Ratio	4.6	4.5	4.2	

Peak Vector Sum 4.383 mm/s at 0.827 sec





TC-11359



TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD. (LABORATORY)	
Issued to: M/s. Kakra-Panna Limestone Mine (A Unit of JK Cement Ltd.)	Report No : PIWMPL/LAB/JKCL-513/2025-26
Tehsil- Amanganj	Issued Date : 06/04/2026
Dist. Panna, PIN- 488441	ULR No : TC1135926000001470F
Madhya Pradesh	Lab Ref. No.: PIWMPL/LAB/5795, 5839, 5902, 6019, 6159, 6262, 6299, 6322, 6363/2025-26

Sampling Location: Near Kakra Mine office

Monitoring Period: Ambient Air Quality Monitoring for the Month March- 2026

Date of Start of Analysis: 05/03/2026 to 02/04/2026

Date of Completion of Analysis: 04/04/2026

Other References :

Ref:1	Nature of Sample: Ambient Air Quality Monitoring (Core Zone)	Ref:2	Ambient Temperature: Min.- 25.0 °C Max.- 34.0 °C
Ref:3	Monitoring Carried out by: RESL Lab Team	Ref:4	Duration of Sampling: 24 Hours
Ref:5	Humidity:- Min.- 35% Max.- 73%	Ref:6	General Environment Condition: Clear Sky
Ref:7	Sampling Protocol: PIWMPL/LAB/SOP-45/2022: Rev./Issue:01		

TEST LIMIT AS PER MADHYA PRADESH POLLUTION CONTROL BOARD (M.P.P.C.B)

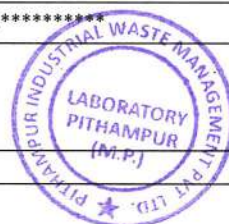
Table 1 - Ambient Air Quality Monitoring Result

Parameters			PM-10 (µg/m ³)	PM-2.5 (µg/m ³)	NO ₂ (µg/m ³)	SO ₂ (µg/m ³)	CO (mg/m ³)
Method of Test			IS 5182 (Part 23) : 2006	IS 5182 (Part 24) : 2019	IS 5182 (Part 6) : 2006	IS 5182 (Part 2) : 2006	IS 5182 (Part 10) : 1999 RA 2019 NDIR
S. No.	Date of Sampling	Sample Received Date					
1	03-03-2026	05-03-2026	58.18	31.96	19.78	10.23	0.77
2	06-03-2026	08-03-2026	56.43	31.22	21.46	11.25	0.79
3	10-03-2026	12-03-2026	66.54	36.53	23.56	13.60	0.88
4	13-03-2026	15-03-2026	61.11	33.57	20.56	11.22	0.65
5	17-03-2026	19-03-2026	59.45	32.66	21.84	11.77	0.87
6	20-03-2026	22-03-2026	70.22	38.58	21.97	12.43	0.70
7	24-03-2026	26-03-2026	56.12	30.83	18.19	11.16	0.75
8	27-03-2026	29-03-2026	60.32	33.14	22.37	10.63	0.72
9	31-03-2026	02-04-2026	58.89	32.35	22.31	12.44	0.81
Minimum			56.12	30.83	18.19	10.23	0.65
Maximum			70.22	38.58	23.56	13.60	0.88
Monthly Average Value			60.81	33.43	21.34	11.64	0.77
Limit			100	60	80	80	4.0

1. The above results relate only to conditions prevailing at the time of sampling.
2. Statement of conformity to a specification or standard is given only on the request of customer.
3. The report cannot be reproduced in part or in full without the permission of Pithampur Industrial Waste Management Pvt. Ltd.

***** End of the test report*****

Page No: 1/1



Deepa
Authorized Signatory:

S. Babyrani

PIWMPL/LAB/QRF/00/21.07.2022

Pithampur Industrial Waste Management Private Limited
(A Subsidiary of Re Sustainability Limited)

CIN No. U90000TG2010PTC071919

Registered Office:

Level 11B, Aurobindo Galaxy,
Hyderabad Knowledge City,
HITECH City Road, Hyderabad-500 081.
India.

Site Address:

Plot No 104, Industrial Area, Sector-II,
Pithampur, District Dhar - 454 775,
Madhya Pradesh,
India.

Certificate REG No : 44 100 20392865 [ISO 45001 : 2018]
Certificate REG No : 44 104 20392865 [ISO 9001 : 2015]
Certificate REG No : 44 126 20392865 [ISO 14001 : 2015]

T: 7067678811,12,13

E: mbdmpwmp@resustainability.com

piwmpl.com





TC-11359



Sustainability

TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD. (LABORATORY)

Issued to: M/s. Kakra-Panna Limestone Mine (A Unit of JK Cement Ltd.)

Report No : PIWMPL/LAB/JKCL-514/2025-26

Tehsil- Amanganj

Issued Date : 06/04/2026

Dist. Panna, PIN- 488441

ULR No : TC1135926000001471F

Madhya Pradesh

Lab Ref. No.: - PIWMPL/LAB/5796, 5840, 5903, 6020, 6160, 6263, 6300, 6323, 6364/2025-26

Sampling Location: Near Security Office

Monitoring Period: Ambient Air Quality Monitoring for the Month March- 2026

Date of Start of Analysis: 05/03/2026 to 02/04/2026

Date of Completion of Analysis: 04/04/2026

Other References :

Ref:1	Nature of Sample: Ambient Air Quality Monitoring (Core Zone)	Ref:2	Ambient Temperature: Min.- 25.0 °C Max.- 34.0 °C
Ref:3	Monitoring Carried out by: RESL Lab Team	Ref:4	Duration of Sampling: 24 Hours
Ref:5	Humidity:- Min.- 34% Max.- 73%	Ref:6	General Environment Condition: Clear Sky
Ref:7	Sampling Protocol: PIWMPL/LAB/SOP-45/2022: Rev./Issue:01		

TEST LIMIT AS PER MADHYA PRADESH POLLUTION CONTROL BOARD (M.P.P.C.B)

Table 1 - Ambient Air Quality Monitoring Result

Parameters			PM-10 (µg/m ³)	PM-2.5 (µg/m ³)	NO ₂ (µg/m ³)	SO ₂ (µg/m ³)	CO (mg/m ³)
Method of Test			IS 5182 (Part 23) : 2006	IS 5182 (Part 24) : 2019	IS 5182 (Part 6) : 2006	IS 5182 (Part 2) : 2006	IS 5182 (Part 10) : 1999 RA 2019 NDIR
S. No.	Date of Sampling	Sample Received Date					
1	03-03-2026	05-03-2026	65.11	34.81	20.14	10.97	0.65
2	06-03-2026	08-03-2026	60.52	32.36	22.54	12.36	0.71
3	10-03-2026	12-03-2026	53.82	28.78	18.47	13.54	0.69
4	13-03-2026	15-03-2026	64.73	34.62	21.45	13.67	0.77
5	17-03-2026	19-03-2026	68.58	36.67	23.16	10.49	0.65
6	20-03-2026	22-03-2026	62.68	33.52	21.22	11.38	0.64
7	24-03-2026	26-03-2026	54.63	29.21	23.38	12.99	0.72
8	27-03-2026	29-03-2026	63.80	34.11	18.46	13.27	0.76
9	31-03-2026	02-04-2026	59.22	31.66	21.23	9.99	0.81
Minimum			53.82	28.78	18.46	9.99	0.64
Maximum			68.58	36.67	23.38	13.67	0.81
Monthly Average Value			61.45	32.86	21.12	12.07	0.71
Limit			100	60	80	80	4.0

- The above results relate only to conditions prevailing at the time of sampling.
- Statement of conformity to a specification or standard is given only on the request of customer.
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***** End of the test report*****

Page No: 1/1



S. Babyrani
Authorized Signatory:
S. Babyrani

PIWMPL/LAB/QRF/00/21.07.2022

Pithampur Industrial Waste Management Private Limited
(A Subsidiary of Re Sustainability Limited)

CIN No. U90000TG2010PTC071919

Registered Office:

Level 11B, Aurobindo Galaxy,
Hyderabad Knowledge City,
HITECH City Road, Hyderabad-500 081,
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TC-11359



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TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD. (LABORATORY)

Issued to: M/s. Kakra-Panna Limestone Mine (A Unit of JK Cement Ltd.)

Report No : PIWMPL/LAB/JKCL-515/2025-26

Tehsil- Amanganj

Issued Date : 06/04/2026

Dist. Panna, PIN- 488441

ULR No : TC1135926000001472F

Madhya Pradesh

Lab Ref. No.: PIWMPL/LAB/5797, 5841, 5904, 6021, 6161, 6264, 6301, 6324, 6365/2025-26

Sampling Location: Kakra Mine Lease Area (Near Kamtana CAAQMS)

Monitoring Period: Ambient Air Quality Monitoring for the Month March- 2026

Date of Start of Analysis: 05/03/2026 to 02/04/2026

Date of Completion of Analysis: 04/04/2026

Other References :

Ref:1	Nature of Sample: Ambient Air Quality Monitoring (Core Zone)	Ref:2	Ambient Temperature: Min.- 25.0°C Max.- 33°C
Ref:3	Monitoring Carried out by: RESL Lab Team	Ref:4	Duration of Sampling: 24 Hours
Ref:5	Humidity:- Min.- 34% Max.- 73%	Ref:6	General Environment Condition: Clear Sky
Ref:7	Sampling Protocol: PIWMPL/LAB/SOP-45/2022: Rev./Issue:01		

TEST LIMIT AS PER MADHYA PRADESH POLLUTION CONTROL BOARD (M.P.P.C.B)

Table 1 - Ambient Air Quality Monitoring Result

Parameters			PM-10 (µg/m3)	PM-2.5 (µg/m3)	NO ₂ (µg/m3)	SO ₂ (µg/m3)	CO (mg/m3)
Method of Test			IS 5182 (Part 23) : 2006	IS 5182 (Part 24) : 2019	IS 5182 (Part 6) : 2006	IS 5182 (Part 2) : 2006	IS 5182 (Part 10) : 1999 RA 2019 NDIR
S. No.	Date of Sampling	Sample Received Date					
1	03-03-2026	05-03-2026	70.21	36.56	19.27	9.71	0.59
2	06-03-2026	08-03-2026	76.32	39.75	17.96	11.43	0.65
3	10-03-2026	12-03-2026	59.82	31.15	23.37	10.32	0.80
4	13-03-2026	15-03-2026	57.43	29.91	20.28	10.79	0.67
5	17-03-2026	19-03-2026	76.32	39.75	23.18	11.66	0.70
6	20-03-2026	22-03-2026	60.32	31.41	17.57	12.84	0.73
7	24-03-2026	26-03-2026	49.54	25.80	23.21	12.09	0.68
8	27-03-2026	29-03-2026	53.21	27.71	21.66	10.72	0.63
9	31-03-2026	02-04-2026	43.36	22.58	22.19	10.23	0.65
Minimum			43.36	22.58	17.57	9.71	0.59
Maximum			76.32	39.75	23.37	12.84	0.80
Monthly Average Value			60.73	31.62	20.97	11.09	0.68
Limit			100	60	80	80	4.0

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PIWMPL/LAB/QR/00/21.07.2022

Pithampur Industrial Waste Management Private Limited
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TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD. (LABORATORY)

Issued to: M/s. Kakra-Panna Limestone Mine (A Unit of JK Cement Ltd.)

Report No : PIWMPL/LAB/JKCL-516/2025-26

Tehsil- Amanganj

Issued Date : 06/04/2026

Dist. Panna, PIN- 488441

ULR No : TC113592600001473F

Madhya Pradesh

Lab Ref. No.: - PIWMPL/LAB/5798, 5842, 5905, 6022, 6162, 6265, 6302, 6325, 6366/2025-26

Sampling Location: Kakra Mine Pit Back side

Monitoring Period: Ambient Air Quality Monitoring for the Month March- 2026

Date of Start of Analysis: 05/03/2026 to 02/04/2026

Date of Completion of Analysis: 04/04/2026

Other References :

Ref:1	Nature of Sample: Ambient Air Quality Monitoring (Core Zone)	Ref:2	Ambient Temperature: Min.- 25.0 °C Max.- 33.0 °C
Ref:3	Monitoring Carried out by: RESL Lab Team	Ref:4	Duration of Sampling: 24 Hours
Ref:5	Humidity:- Min.- 34% Max.- 73%	Ref:6	General Environment Condition: Clear Sky
Ref:7	Sampling Protocol: PIWMPL/LAB/SOP-45/2022: Rev./Issue:01		

TEST LIMIT AS PER MADHYA PRADESH POLLUTION CONTROL BOARD (M.P.P.C.B)

Table 1 - Ambient Air Quality Monitoring Result

Parameters			PM-10 (µg/m3)	PM-2.5 (µg/m3)	NO ₂ (µg/m3)	SO ₂ (µg/m3)	CO (mg/m3)
Method of Test			IS 5182 (Part 23) : 2006	IS 5182 (Part 24) : 2019	IS 5182 (Part 6) : 2006	IS 5182 (Part 2) : 2006	IS 5182 (Part 10) : 1999 RA 2019 NDIR
S. No.	Date of Sampling	Sample Received Date					
1	03-03-2026	05-03-2026	58.62	31.18	22.78	11.45	0.53
2	06-03-2026	08-03-2026	51.70	27.53	17.27	9.26	0.66
3	10-03-2026	12-03-2026	46.78	24.88	19.03	9.34	0.61
4	13-03-2026	15-03-2026	49.60	26.38	21.23	11.36	0.58
5	17-03-2026	19-03-2026	56.70	30.16	24.13	11.47	0.60
6	20-03-2026	22-03-2026	62.67	33.34	28.26	13.87	0.71
7	24-03-2026	26-03-2026	58.80	31.27	18.98	9.55	0.65
8	27-03-2026	29-03-2026	49.88	26.53	16.44	8.32	0.62
9	31-03-2026	02-04-2026	54.08	28.76	17.99	8.11	0.63
Minimum			46.78	24.88	16.44	8.11	0.53
Maximum			62.67	33.34	28.26	13.87	0.71
Monthly Average Value			54.31	28.89	20.68	10.30	0.62
Limit			100	60	80	80	4.0

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TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD. (LABORATORY)

Issued to: M/s. Kakra-Panna Limestone Mine (A Unit of JK Cement Ltd.)

Report No : PIWMPL/LAB/JKCL-517/2025-26

Tehsil- Amanganj

Issued Date : 06/04/2026

Dist. Panna, PIN- 488441

ULR No : TC1135926000001474F

Madhya Pradesh

Lab Ref. No.: - PIWMPL/LAB/5799, 5843, 5906, 6023/2025-26

Sampling Location: Kakra Village, Kamtana Village, Deora Viilage & Saptai Village

Monitoring Period: Ambient Air Quality Monitoring for the Month March- 2026

Date of Start of Analysis: 05/03/2026, 08/03/2026, 12/03/2026, 15/03/2025

Date of Completion of Analysis: 18/03/2026

Other References :

Ref:1	Nature of Sample: Ambient Air Quality Monitoring (Core Zone)	Ref:2	Ambient Temperature: Min.- 25.0 °C Max.- 33.0 °C
Ref:3	Monitoring Carried out by: RESL Lab Team	Ref:4	Duration of Sampling: 24 Hours
Ref:5	Humidity:- Min.- 34% Max.- 73%	Ref:6	General Environment Condition: Clear Sky
Ref:7	Sampling Protocol: PIWMPL/LAB/SOP-45/2022: Rev./Issue:01		

TEST LIMIT AS PER MADHYA PRADESH POLLUTION CONTROL BOARD (M.P.P.C.B)

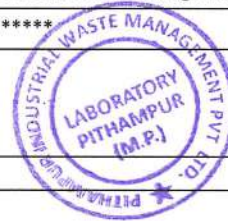
Table 1 - Ambient Air Quality Monitoring Result

Parameters			PM-10 (µg/m3)	PM-2.5 (µg/m3)	NO ₂ (µg/m3)	SO ₂ (µg/m3)	CO (mg/m3)
Method of Test			IS 5182 (Part 23) : 2006	IS 5182 (Part 24) : 2019	IS 5182 (Part 6) : 2006	IS 5182 (Part 2) : 2006	IS 5182 (Part 10) : 1999 RA 2019 NDIR
S. No.	Date of Sampling	Sampling Location					
1	03-03-2026	Kakra Village	57.34	28.96	16.23	9.37	0.53
2	06-03-2026	Kamtana Village	61.65	32.11	15.68	10.12	0.50
3	10-03-2026	Deora Viilage	58.45	30.44	18.33	11.27	0.56
4	13-03-2026	Saptai Village	62.32	32.46	21.38	12.35	0.54
Monthly Average Value			59.94	27.98	17.08	9.51	0.53
Limit			100	60	80	80	4.0

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Issued to: M/s. Kakra-Panna Limestone Mine (A Unit of JK Cement Ltd.)

Report No: PIWMPL/LAB/JKCL-534/2025-26

Tehsil- Amanganj

Issued Date : 06/04/2026

Dist. Panna, PIN- 488441

ULR No : TC1135926000001480F

Madhya Pradesh

Lab Ref. No: PIWMPL/LAB/5908, 5909, 5910, 5911/2025-26

Sampling Particulars : Ambient Noise Level Monitoring (Core Zone)

Date of Monitoring : 10/03/2026

Date of Completion of Monitoring: 13/03/2026

Other References :

Ref:1 Time of Measurement (Day Time) : 11:55 Hours

Ref:2 Monitoring Carried out by: RESL Lab Team

Ref:3 Time of Measurement (Night Time) : 22:23 Hours

Ref:4 Environmental Condition : Clear Sky

TEST LIMIT AS PER MADHYA PRADESH POLLUTION CONTROL BOARD (M.P.P.C.B)

Table 1:- Noise Monitoring During Day Time

Sl. No	Monitoring Location	Unit	Maximum	Minimum	Result (Leq)	Limit	Method of Test
1	Near Kakra Mine office	dB(A)	67.3	50.2	58.8	NMT 75	IS 9989 :1981
2	Near Security Office	dB(A)	64.1	58.6	61.4	NMT 75	IS 9989 :1981
3	Kakra Mine Lease Area (Near Kamtana CAAQMS)	dB(A)	63.6	54.5	59.1	NMT 75	IS 9989 :1981
4	Kakra Mine Pit back side	dB(A)	63.9	57.3	60.6	NMT 75	IS 9989 :1981

Table 2:- Noise Monitoring During Night Time

Sl. No	Monitoring Location	Unit	Maximum	Minimum	Result (Leq)	Limit	Method of Test
1	Near Kakra Mine office	dB(A)	55.3	47.8	51.6	NMT 70	IS 9989 :1981
2	Near Security Office	dB(A)	57.9	48.2	53.1	NMT 70	IS 9989 :1981
3	Kakra Mine Lease Area (Near Kamtana CAAQMS)	dB(A)	59.6	50.4	55.0	NMT 70	IS 9989 :1981
4	Kakra Mine Pit back side	dB(A)	56.2	49.8	53.0	NMT 70	IS 9989 :1981

- Note:-**
- The above results relate only to conditions prevailing at the time of sampling.
 - Day time Shall mean from : 6:00 AM to 10:00 PM
 - Night Time shall mean from: 10:00 PM to 6:00 AM
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Issued to: M/s. Kakra-Panna Limestone Mine (A Unit of JK Cement Ltd.)

Report No: PIWMPL/LAB/JKCL-535/2025-26

Tehsil- Amanganj
Dist. Panna, PIN- 488441
Madhya Pradesh

Issued Date : 06/04/2026

ULR No : TC1135926000001481F

Lab Ref. No: PIWMPL/LAB/6163, 6164, 6165, 6166/2025-26

Sampling Particulars : Ambient Noise Level Monitoring (Core Zone)

Date of Monitoring : 16-03-2026

Date of Completion of Monitoring: 19/03/2026

Other References :

Ref:1	Time of Measurement (Day Time) : 10:20 Hours	Ref:2	Monitoring Carried out by: RESL Lab Team
Ref:3	Time of Measurement (Night Time) : 22:40 Hours	Ref:4	Environmental Condition : Clear Sky

TEST LIMIT AS PER MADHYA PRADESH POLLUTION CONTROL BOARD (M.P.P.C.B)

Table 1:- Noise Monitoring During Day Time

Sl. No	Monitoring Location	Unit	Maximum	Minimum	Result (Leq)	Limit	Method of Test
1	Kakra Village	dB(A)	53.4	47.8	50.6	NMT 55	IS 9989 :1981
2	Kamtana Village	dB(A)	50.3	43.8	47.1	NMT 55	IS 9989 :1981
3	Deora Village	dB(A)	52.6	45.7	49.2	NMT 55	IS 9989 :1981
4	Saptai Village	dB(A)	48.1	44.2	46.2	NMT 55	IS 9989 :1981

Table 2:- Noise Monitoring During Night Time

Sl. No	Monitoring Location	Unit	Maximum	Minimum	Result (Leq)	Limit	Method of Test
1	Kakra Village	dB(A)	38.3	35.4	36.9	NMT 45	IS 9989 :1981
2	Kamtana Village	dB(A)	40.4	37.9	39.2	NMT 45	IS 9989 :1981
3	Deora Village	dB(A)	42.5	36.2	39.4	NMT 45	IS 9989 :1981
4	Saptai Village	dB(A)	40.7	35.4	38.1	NMT 45	IS 9989 :1981

- Note:-**
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 - Night Time shall mean from: 10:00 PM to 6:00 AM
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TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD. (LABORATORY)

Issued to: M/s. Kakra-Panna Limestone Mine (A Unit of JK Cement Ltd.)

Tehsil- Amanganj

Dist. Panna, PIN- 488441

Madhya Pradesh

Report No : PIWMPL/LAB/JKCL-518/2025-26

Issued Date : 06/04/2026

Lab Ref. No.: PIWMPL/LAB/5845/2025-26

Sampling Location: Near Kakra Crusher Area (Unloading Point)

Date & Time of Monitoring: 26/03/2026 - 11:40 AM to 03:45 PM

Date of Sample Receipt: 28/03/2026

Date of Start of Analysis: 28/03/2026

Date of Completion of Analysis: 30/03/2026

Other References :

Ref:1	Nature of Sample: Fugitive Emission Monitoring (Core Zone)	Ref:2	Ambient Temperature: Min.- 24.0 °C Max.- 33.0 °C
Ref:3	Monitoring Carried out by: RESL Lab Team	Ref:4	Duration of Sampling: 04.05 Hours
Ref:5	Humidity:- Min.- 34% Max.- 75%	Ref:6	General Environment Condition: Clear Sky
Ref:7	Sampling Protocol: PIWMPL/LAB/SOP-45/2022: Rev./Issue:01		

TEST LIMITS AS PER FACTORY ACT 1948, SHEDULE-II

Table 1 - Fugitive Emission Monitoring Result

S. No.	Parameters	Unit	Result	Limit	Method of Test
1	Suspended Particulate Matter (SPM)	µg/m ³	518.38	600	PIWMPL/LAB/STP/12, Issue No.1, Issue Date: 22.07.2022

- Note :**
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Issued to: M/s. Kakra-Panna Limestone Mine (A Unit of JK Cement Ltd.)

Report No : PIWMPL/LAB/JKCL-519/2025-26

Tehsil- Amanganj

Dist. Panna, PIN- 488441

Madhya Pradesh

Issued Date : 06/04/2026

Lab Ref. No.: PIWMPL/LAB/5882/2025-26

Sampling Location: Near Kakra Crusher Area (Transfer Point) Area

Date & Time of Monitoring: 09/03/2026 - 08:50AM to 01:00PM

Date of Sample Receipt: 11/03/2026

Date of Start of Analysis: 11/03/2026

Date of Completion of Analysis: 13/03/2026

Other References :

Ref:1	Nature of Sample: Fugitive Emission Monitoring (Core Zone)	Ref:2	Ambient Temperature: Min.- 24.0 °C Max.- 33.0 °C
Ref:3	Monitoring Carried out by: RESL Lab Team	Ref:4	Duration of Sampling: 04.10 Hours
Ref:5	Humidity:- Min.- 33% Max.- 72%	Ref:6	General Environment Condition: Clear Sky
Ref:7	Sampling Protocol: PIWMPL/LAB/SOP-45/2022: Rev./Issue:01		

TEST LIMITS AS PER FACTORY ACT 1948, SHEDULE-II

Table 1 - Fugitive Emission Monitoring Result

S. No.	Parameters	Unit	Result	Limit	Method of Test
1	Suspended Particulate Matter (SPM)	µg/m ³	432.22	600	PIWMPL/LAB/STP/12, Issue No.1, Issue Date: 22.07.2022

- Note :**
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Issued to: M/s. Kakra-Panna Limestone Mine (A Unit of JK Cement Ltd.)

Report No : PIWMPL/LAB/JKCL-520/2025-26

Tehsil- Amanganj

Dist. Panna, PIN- 488441

Madhya Pradesh

Issued Date : 06/04/2026

Lab Ref. No.: PIWMPL/LAB/6024/2025-26

Sampling Location: Near Kakra Mine Haulage Road

Date & Time of Monitoring: 13/03/2026 - 09:00 AM to 01:10 PM

Date of Sample Receipt: 15/03/2026

Date of Start of Analysis: 16/03/2026

Date of Completion of Analysis: 16/03/2026

Other References :

Ref:1	Nature of Sample: Fugitive Emission Monitoring (Core Zone)	Ref:2	Ambient Temperature: Min.- 24.0 °C Max.- 32.0 °C
Ref:3	Monitoring Carried out by: RESL Lab Team	Ref:4	Duration of Sampling: 04.10 Hours
Ref:5	Humidity:- Min.- 31% Max.- 73%	Ref:6	General Environment Condition: Clear Sky
Ref:7	Sampling Protocol: PIWMPL/LAB/SOP-45/2022: Rev./Issue:01		

TEST LIMITS AS PER FACTORY ACT 1948, SHEDULE-II

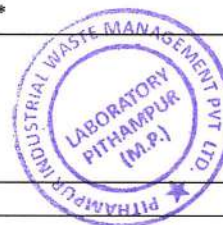
Table 1 - Fugitive Emission Monitoring Result

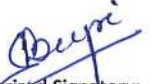
S. No.	Parameters	Unit	Result	Limit	Method of Test
1	Suspended Particulate Matter (SPM)	µg/m ³	483.12	600	PIWMPL/LAB/STP/12, Issue No.1, Issue Date: 22.07.2022

- Note :
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***** End of the test report*****

Page No: 1/1




 Authorized Signatory:
 S. Babyrani

PIWMPL/LAB/QRF/00/21.07.2022

TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD. (LABORATORY)	
Issued to: M/s. Kakra-Panna Limestone Mine (A Unit of JK Cement Ltd.)	Report No : PIWMPL/LAB/JKCL-521/2025-26
Tehsil- Amanganj Dist. Panna, PIN- 488441 Madhya Pradesh	Issued Date : 06/04/2026 Lab Ref. No.: PIWMPL/LAB/6167/2025-26

Sampling Location: Near Mine Pit (Loading Point)	
Date & Time of Monitoring: 17/03/2026 - 09:30 AM to 01:40 PM	Date of Sample Receipt: 19/03/2026
Date of Start of Analysis: 19/03/2026	Date of Completion of Analysis: 21/03/2026
Other References :	
Ref:1 Nature of Sample: Fugitive Emission Monitoring (Core Zone)	Ref:2 Ambient Temperature: Min.- 24.0 °C Max.- 31.0 °C
Ref:3 Monitoring Carried out by: RESL Lab Team	Ref:4 Duration of Sampling: 04.10 Hours
Ref:5 Humidity:- Min.- 33% Max.- 71%	Ref:6 General Environment Condition: Clear Sky
Ref:7 Sampling Protocol: PIWMPL/LAB/SOP-45/2022: Rev./Issue:01	

TEST LIMITS AS PER FACTORY ACT 1948, SHEDULE-II


Table 1 - Fugitive Emission Monitoring Result

S. No.	Parameters	Unit	Result	Limit	Method of Test
1	Suspended Particulate Matter (SPM)	µg/m ³	430.45	600	PIWMPL/LAB/STP/12, Issue No.1, Issue Date: 22.07.2022

Note :

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Page No: 1/1	 <p>Authorized Signatory: <i>S. Babyrani</i> S. Babyrani</p>
PIWMPL/LAB/QRF/00/21.07.2022	



TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD. (LABORATORY)

Issued to: M/s. Kakra-Panna Limestone Mine (A Unit of JK Cement Ltd.)

Report No : PIWMPL/LAB/JKCL-522/2025-26

Tehsil- Amanganj

Issued Date : 06/04/2026

Dist. Panna, PIN- 488441

Lab Ref. No.: PIWMPL/LAB/6287/2025-26

Madhya Pradesh

Sampling Location: Kakra Mine Drilling point

Date & Time of Monitoring: 20/03/2026 - 11:00 AM to 03:05 PM

Date of Sample Receipt: 22/03/2026

Date of Start of Analysis: 22/03/2026

Date of Completion of Analysis: 23/03/2026

Other References :

Ref:1	Nature of Sample: Fugitive Emission Monitoring (Core Zone)	Ref:2	Ambient Temperature: Min.- 26.0 °C Max.- 33.0 °C
Ref:3	Monitoring Carried out by: RESL Lab Team	Ref:4	Duration of Sampling: 04.05 Hours
Ref:5	Humidity:- Min.- 32% Max.- 69%	Ref:6	General Environment Condition: Clear Sky
Ref:7	Sampling Protocol: PIWMPL/LAB/SOP-45/2022: Rev./Issue:01		

TEST LIMITS AS PER FACTORY ACT 1948, SHEDULE-II

Table 1 - Fugitive Emission Monitoring Result

S. No.	Parameters	Unit	Result	Limit	Method of Test
1	Suspended Particulate Matter (SPM)	µg/m ³	417.52	600	PIWMPL/LAB/STP/12, Issue No.1, Issue Date: 22.07.2022

- Note :**
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***** End of the test report*****

Page No: 1/1



Babyrani
Authorized Signatory:
S. Babyrani

PIWMPL/LAB/GRF/00/21.07.2022

Pithampur Industrial Waste Management Private Limited
(A Subsidiary of Re Sustainability Limited)

CIN No. U90000TG2010PTC071919

Registered Office:

Level 11B, Aurobindo Galaxy,
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HITECH City Road, Hyderabad-500 081.
India.

Site Address:

Plot No 104, Industrial Area, Sector-II,
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Certificate REG No : 44 100 20392865 [ISO 45001 : 2018]
Certificate REG No : 44 104 20392865 [ISO 9001 : 2015]
Certificate REG No : 44 126 20392865 [ISO 14001 : 2015]

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TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD. (LABORATORY)

Issued to: M/s. Kakra-Panna Limestone Mine (A Unit of JK Cement Ltd.)

Tehsil- Amanganj
Dist. Panna, PIN- 488441
Madhya Pradesh

Report No : PIWMPL/LAB/JKCL-518/2025-26

Issued Date : 06/04/2026

Lab Ref. No.: PIWMPL/LAB/5845/2025-26

Sampling Location: Near Kakra Crusher Area (Unloading Point)

Date & Time of Monitoring: 26/03/2026 - 11:40 AM to 03:45 PM

Date of Sample Receipt: 28/03/2026

Date of Start of Analysis: 28/03/2026

Date of Completion of Analysis: 30/03/2026

Other References :

Ref:1	Nature of Sample: Fugitive Emission Monitoring (Core Zone)	Ref:2	Ambient Temperature: Min.- 24.0 °C Max.- 33.0 °C
Ref:3	Monitoring Carried out by: RESL Lab Team	Ref:4	Duration of Sampling: 04.05 Hours
Ref:5	Humidity:- Min.- 34% Max.- 75%	Ref:6	General Environment Condition: Clear Sky
Ref:7	Sampling Protocol: PIWMPL/LAB/SOP-45/2022: Rev./Issue:01		

TEST LIMITS AS PER FACTORY ACT 1948, SCHEDULE-II

Table 1 - Fugitive Emission Monitoring Result

S. No.	Parameters	Unit	Result	Limit	Method of Test
1	Suspended Particulate Matter (SPM)	µg/m ³	518.38	600	PIWMPL/LAB/STP/12, Issue No.1, Issue Date: 22.07.2022

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***** End of the test report*****

Page No: 1/1



Authorized Signatory:

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TEST REPORT



Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD. (LABORATORY)					
Issued to: M/s. Kakra-Panna Limestone Mine (A Unit of JK Cement Ltd.)			Report No : PIWMPL/LAB/JKCL-519/2025-26		
Tehsil- Amanganj Dist. Panna, PIN- 488441 Madhya Pradesh			Issued Date : 06/04/2026 Lab Ref. No.: PIWMPL/LAB/5882/2025-26		
Sampling Location: Near Kakra Crusher Area (Transfer Point) Area					
Date & Time of Monitoring: 09/03/2026 - 08:50AM to 01:00PM			Date of Sample Receipt: 11/03/2026		
Date of Start of Analysis: 11/03/2026			Date of Completion of Analysis: 13/03/2026		
Other References :					
Ref:1	Nature of Sample: Fugitive Emission Monitoring (Core Zone)		Ref:2	Ambient Temperature: Min.- 24.0 °C Max.- 33.0 °C	
Ref:3	Monitoring Carried out by: RESL Lab Team		Ref:4	Duration of Sampling: 04.10 Hours	
Ref:5	Humidity:- Min.- 33% Max.- 72%		Ref:6	General Environment Condition: Clear Sky	
Ref:7	Sampling Protocol: PIWMPL/LAB/SOP-45/2022: Rev./Issue:01				
TEST LIMITS AS PER FACTORY ACT 1948, SCHEDULE-II					
Table 1 - Fugitive Emission Monitoring Result					
S. No.	Parameters	Unit	Result	Limit	Method of Test
1	Suspended Particulate Matter (SPM)	µg/m ³	432.22	600	PIWMPL/LAB/STP/12, Issue No.1, Issue Date: 22.07.2022
Note :	1. The above results relate only to conditions prevailing at the time of sampling. 2. Statement of conformity to a specification or standard is given only on the request of customer. 3. The report cannot be reproduced in part or in full without the permission of Pithampur Industrial Waste Management Pvt. Ltd.				
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			Page No: 1/1		PIWMPL/LAB/QR/00/21.07.2022





TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD. (LABORATORY)					
Issued to: M/s. Kakra-Panna Limestone Mine (A Unit of JK Cement Ltd.)			Report No : PIWMPL/LAB/JKCL-520/2025-26		
Tehsil- Amanganj Dist. Panna, PIN- 488441 Madhya Pradesh			Issued Date : 06/04/2026		
			Lab Ref. No.: PIWMPL/LAB/6024/2025-26		
Sampling Location: Near Kakra Mine Haulage Road					
Date & Time of Monitoring: 13/03/2026 - 09:00 AM to 01:10 PM			Date of Sample Receipt: 15/03/2026		
Date of Start of Analysis: 16/03/2026			Date of Completion of Analysis: 16/03/2026		
Other References :					
Ref:1	Nature of Sample: Fugitive Emission Monitoring (Core Zone)		Ref:2	Ambient Temperature: Min.- 24.0 °C Max.- 32.0 °C	
Ref:3	Monitoring Carried out by: RESL Lab Team		Ref:4	Duration of Sampling: 04.10 Hours	
Ref:5	Humidity:- Min.- 31% Max.- 73%		Ref:6	General Environment Condition: Clear Sky	
Ref:7	Sampling Protocol: PIWMPL/LAB/SOP-45/2022: Rev./Issue:01				
TEST LIMITS AS PER FACTORY ACT 1948, SCHEDULE-II					
Table 1 - Fugitive Emission Monitoring Result					
S. No.	Parameters	Unit	Result	Limit	Method of Test
1	Suspended Particulate Matter (SPM)	µg/m ³	483.12	600	PIWMPL/LAB/STP/12, Issue No.1, Issue Date: 22.07.2022
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TEST REPORT					
Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD. (LABORATORY)					
Issued to: M/s. Kakra-Panna Limestone Mine (A Unit of JK Cement Ltd.)			Report No : PIWMPL/LAB/JKCL-521/2025-26		
Tehsil- Amanganj Dist. Panna, PIN- 488441 Madhya Pradesh			Issued Date : 06/04/2026		
			Lab Ref. No.: PIWMPL/LAB/6167/2025-26		
Sampling Location: Near Mine Pit (Loading Point)					
Date & Time of Monitoring: 17/03/2026 - 09:30 AM to 01:40 PM			Date of Sample Receipt: 19/03/2026		
Date of Start of Analysis: 19/03/2026			Date of Completion of Analysis: 21/03/2026		
Other References :					
Ref:1	Nature of Sample: Fugitive Emission Monitoring (Core Zone)		Ref:2	Ambient Temperature: Min.- 24.0 °C Max.- 31.0 °C	
Ref:3	Monitoring Carried out by: RESL Lab Team		Ref:4	Duration of Sampling: 04.10 Hours	
Ref:5	Humidity:- Min.- 33% Max.- 71%		Ref:6	General Environment Condition: Clear Sky	
Ref:7	Sampling Protocol: PIWMPL/LAB/SOP-45/2022: Rev./Issue:01				
TEST LIMITS AS PER FACTORY ACT 1948, SHEDULE-II					
Table 1 - Fugitive Emission Monitoring Result					
S. No.	Parameters	Unit	Result	Limit	Method of Test
1	Suspended Particulate Matter (SPM)	µg/m3	430.45	600	PIWMPL/LAB/STP/12, Issue No.1, Issue Date: 22.07.2022
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TEST REPORT					
Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD. (LABORATORY)					
Issued to: M/s. Kakra-Panna Limestone Mine (A Unit of JK Cement Ltd.)			Report No : PIWMPL/LAB/JKCL-522/2025-26		
Tehsil- Amanganj Dist. Panna, PIN- 488441 Madhya Pradesh			Issued Date : 06/04/2026		
			Lab Ref. No.: PIWMPL/LAB/6287/2025-26		
Sampling Location: Kakra Mine Driling point					
Date & Time of Monitoring: 20/03/2026 - 11:00 AM to 03:05 PM			Date of Sample Reciept: 22/03/2026		
Date of Start of Analysis: 22/03/2026			Date of Completion of Analysis: 23/03/2026		
Other References :					
Ref:1	Nature of Sample: Fugitive Emission Monitoring (Core Zone)		Ref:2	Ambient Temperature: Min.- 26.0 °C Max.- 33.0 °C	
Ref:3	Monitoring Carried out by: RESL Lab Team		Ref:4	Duration of Sampling: 04.05 Hours	
Ref:5	Humidity:- Min.- 32% Max.- 69%		Ref:6	General Environment Condition: Clear Sky	
Ref:7	Sampling Protocol: PIWMPL/LAB/SOP-45/2022: Rev./Issue:01				
TEST LIMITS AS PER FACTORY ACT 1948, SHEDULE-II					
Table 1 - Fugitive Emission Monitoring Result					
S. No.	Parameters	Unit	Result	Limit	Method of Test
1	Suspended Particulate Matter (SPM)	µg/m3	417.52	600	PIWMPL/LAB/STP/12, Issue No.1, Issue Date: 22.07.2022
Note :	1. The above results relate only to conditions prevailing at the time of sampling. 2. Statement of conformity to a specification or standard is given only on the request of customer. 3. The report cannot be reproduced in part or in full without the permission of Pithampur Industrial Waste Management Pvt. Ltd.				
***** End of the test report*****					
					 Authorized Signatory: S. Babyrani
			Page No: 1/1		PIWMPL/LAB/QR/00/21.07.2022





J.K. Cement Works, Panna
A Unit of J.K. Cement Limited
CIN: L17229UP1994PLC017199

9 Village - Harduwaken, Tehsil - Amanganj, Post Office - Purain
District - Panna, State - Madhya Pradesh, India - 488 441
✉ jkc.panna@jkcement.com
🌐 www.jkcement.com

Ref. No. JKCEMENT/ENV/EMR/2025-26/20B/115

Dated: 08.03.2026

To,
The Member Secretary,
Central Ground Water Authority,
Jamnagar House, New Delhi-110011
e-mail id: cgwa@nic.in

Subject: Submission of Ground Water Level Monitoring Report for Kakra -Panna Limestone Mine of M/s J K Cement Ltd. Located at village Kakra, Kamtana, Saptai, Judi, Devripurohit & Devra, Tehsil-Amanganj, District Panna (M.P.) for the month of **January-2026**.

Ref: 1-NOC Letter No. CGWA/NOC/MIN/REN/1/2025/11450

Dear Sir,

With reference to the aforesaid subject, please find Ground Water Level Monitoring report for Kakra-Panna Limestone Mine of of M/s J K Cement Ltd. Located at village Kakra, Kamtana, Saptai, Judi, Devripurohit & Devra, Tehsil-Amanganj, District Panna (M.P.) for the month of **January-2026**.

This is for your kind information and record, please.

With Regards,
Yours Faithfully

For Kakra-Panna Limestone Mine
(A Unit of J K Cement Ltd., Panna)


Kapil Agrawal
(Unit Head)

Encl: As above

- CC: 1. The Regional Director, Central Ground Water Board, Bhopal (M.P.) email id: rdncr-cgwb@nic.in
2. Member Secretary, MPPCB, Bhopal (MP)-462016, email id: ms-mppcb@mp.gov.in
3. Regional Officer, MPPCB, Makronia, Sagar (MP), email id: ropcb-sagar@mp.gov.in



Corporate Office
✉ Prism Tower, Ninaniya Estate, Gwal Pahari,
Gurugram, Haryana - 122102, India
☎ +0124-6919000
✉ corpcom@jkcement.com



Manufacturing Units at:

Nimbahera, Mangrol, Gotan (Rajasthan) | Muddapur (Karnataka)
Jharti (Haryana) | Katnl, Panna, Ujjain (M.P.) | Prayagraj, Aligarh, Hamirpur (U.P.)
Balasinor (Gujarat) | Buxar (Bihar) | Fujairah (UAE) | Ampavali, Choudwar (Odisha)





Sustainability

Name & Address of the Party: M/S J K Cement Works, Panna
(A Unit of J K Cement Ltd), Kakra Panna Limestone
Mines Village – Harduwaken, Tehsil- Amanganj
Pin – 488441 Dist - Panna
Sample Collected by – RESSPL Representative
Sample Description: Ground Water Level

Report No: PIWMPL/LAB/4589-2/2025-26
Sampling Date: 14/01/2026 to 21/01/2026

S.No	Location	Person Name	Location (Lat & Long)		Water Level (Below Ground Level- Meter)
			Latitude (N)	Longitude (E)	
01	Sanaura Village Borewell	Pvt.	24.41869971°	79.97969496°	9.41
02	Sanaura Village Borewell	Govt.	24.41873366°	79.98002734°	7.20
03	Sanaura Village Borewell	Govt.	24.41870363°	79.98202084°	11.10
04	Sanaura Village Borewell	Pvt.	24.4186726°	79.98206637°	8.20
05	Jhijgav Village Borewell	Pvt.	24.418952°	79.98615331°	8.30
06	Jhijgav Village Borewell	Near Road	24.41892581°	79.98806557°	8.25
07	Jhijgav Village dugwell	Near Road	24.42469053°	80.00905263°	9.90
08	Udla Village Borewell	Govt.	24.40391626°	79.90809987°	8.44
09	Udla Village Borewell	Govt.	24.40493103°	79.90980815°	13.12
10	Sanaura Village borewell	Pvt.	24.41824044°	79.98213454°	6.68
11	Kamtana Village dugwell	Pvt.	24.387965°	79.9583°	3.12
12	Kamtana Village Borewell	Pvt.	24.37867562°	79.95821232°	9.19
13	Kamtana Village Borewell	Near field	24.37765771°	79.9584691°	1.90
14	Hinauta Dugwell	Pvt.	24.210793°	79.728891°	10.89
15	Kamtana Village borewell	Pvt.	24.3871085°	79.95831185°	6.61
16	Kamtana Village Dugwell	Pvt.	24.389937°	79.957538°	6.5



S. Babyrani
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Authorized Signatory



Pithampur Industrial Waste Management Private Limited
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T: 7067678811,12,13

E: mbdmpwmp@resustainability.com

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Name & Address of the Party: M/S J K Cement Works, Panna
 (A Unit of J K Cement Ltd), Kakra Panna Limestone
 Mines Village – Harduwaken, Tehsil- Amanganj
 Pin – 488441 Dist - Panna
 Sample Collected by – RESSPL Representative
 Sample Description: Ground Water Level

Report No: PIWMPL/LAB/4589-2/2025-26
 Sampling Date: 14/01/2026 to 21/01/2026

17	Kamtana Village Borewell	Near Road	24.37877732°	79.95719876°	5.1
18	Kamtana Village Borewell	Pvt.	24.38187835°	79.95596121°	11.3
19	Saptaiya Village Borewell	Govt.	24.357561°	80.064932°	8.0
20	Saptaiya Village Borewell	Govt.	24.357342°	80.064760°	9.6
21	Sotipura Village borewell	Gov.	24.32415833°	79.98034904°	9.20
22	Sotipura Village borewell	Gov.	24.32431873°	79.98006704°	4.80
23	Madiya Village Borewell	Gov.	24.3868551°	80.01454251°	10.3
24	Saptaiya Village dugwell	Govt.	24.357864°	80.064279°	8.2
25	Bamhori Village Borewell	Near Road	24.335848°	80.032898°	8.32
26	Jharkuwa Village Borewell	Near Road	24.35425°	80.050981°	9.11
27	Jharkuwa Village borewell	Near Road	24.354574°	80.051258°	10.30
28	Itauri Village Borewell	Pvt.	24.362822°	80.041654°	7.20
29	Itauri Village Borewell	Near Road	24.362818°	80.041658°	7.20
30	Itauri Village Borewell	Pvt.	24.362949°	80.042843°	9.20
31	Itauri Village Borewell	Pvt.	24.362657°	80.042833°	8.10
32	Itauri Village Borewell	Near Road	24.362656°	80.042826°	7.10
33	Itauri Village Borewell	Pvt.	24.362812°	80.041628°	12.7
34	Itauri Village Borewell	Pvt.	24.362841°	80.041646°	7.18

Pithampur Industrial Waste Management Private Limited
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CIN No. U90000TG2010PTC071919

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Name & Address of the Party: M/S J K Cement Works, Panna
(A Unit of J K Cement Ltd), Kakra Panna Limestone
Mines Village – Harduwaken, Tehsil- Amanganj
Pin – 488441 Dist - Panna
Sample Collected by – RESSPL Representative
Sample Description: Ground Water Level

Report No: PIWMPL/LAB/4589-2/2025-26
Sampling Date: 14/01/2026 to 21/01/2026

35	Amanganj Borewell	Gov.	24.357558°	80.064895°	6.9
36	Amanganj Borewell	Gov.	24.429660°	80.034873°	4.89
37	Amanganj Borewell	Pvt.	24.360586°	80.064447°	9.2
38	Madaiyan Borewell	Pvt.	24.224365°	79.59253°	10.2
39	Deora Village borewell	Pvt.	24.34052824°	79.97246932°	11.12
40	Deora Village Borewell	Near Road	24.34087343°	79.97187325°	8.0
41	Deora Village Borewell	Pvt.	24.32979932°	79.9714391°	6.90
42	Deora Village Dugwell	Near field	24.33910265°	79.97118686°	9.40
43	Deora Village Dugwell	Pvt.	24.33849399°	79.97189419°	11.50
44	Deora Village Borewell	Pvt.	24.33856843°	79.97203208°	8.60
45	Deora Village Borewell	Pvt.	24.33968194°	79.97178277°	7.90
46	Deora Village Borewell	Pvt.	24.33989673°	79.97195631°	9.90
47	Deora Village Borewell	Near Temple	24.33856843°	79.97203208°	8.10
48	Deora Village dugwell	Gov.	24.33849399°	79.97189419°	8.50
49	Kakra Village Borewell	Pvt.	24.35424641°	79.95113587°	9.2
50	Kakra Village Borewell	Pvt.	24.35502215°	79.95183299°	7.4
51	Kakra Village Borewell	Pvt.	24.35502374	79.95183381°	8.5
52	Kakra Village Borewell	Govt.	24.35504813°	79.95178536°	9.3

Pithampur Industrial Waste Management Private Limited
(A Subsidiary of Re Sustainability Limited)

CIN No. U90000TG2010PTC071919

Registered Office:

Level 11B, Aurobindo Galaxy,
Hyderabad Knowledge City,
HITECH City Road, Hyderabad-500 081,
India.

Site Address:

Plot No 104, Industrial Area, Sector-II,
Pithampur, District Dhar - 454 775,
Madhya Pradesh,
India.



Babyrani
S. Babyrani
Authorized Signatory



Certificate REG No : 44 100 20392865 (ISO 45001 : 2018)
Certificate REG No : 44 104 20392865 (ISO 9001 : 2015)
Certificate REG No : 44 126 20392865 (ISO 14001 : 2015)

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Sustainability

Name & Address of the Party: M/S J K Cement Works, Parma
(A Unit of J K Cement Ltd), Kakra Panna Limestone
Mines Village – Harduwaken, Tehsil- Amanganj
Pin – 488441 Dist - Panna
Sample Collected by – RESSPL Representative
Sample Description: Ground Water Level

Report No: PIWMPL/LAB/4589-2/2025-26
Sampling Date: 14/01/2026 to 21/01/2026

53	Kakra Village Borewell	Pvt.	24.35493045°	79.95139093°	9.8
54	Kakra Village Borewell	Pvt.	24.352947°	79.950701°	8.5
55	Kakra Village Borewell	Pvt.	24.352947°	79.950701°	7.9
56	Kakra Village Borewell	Pvt.	24.352947°	79.950701°	8.1
57	Pagra Village Borewell	Pvt.	24.35541242°	80.00218524°	13.5
58	Pagra Village Dugwell	Gov.	24.35541242°	80.00218524°	8.6
59	Kakra Village dugwell	Pvt.	24.35519889°	80.00166763°	6.84
60	Bilha Village Dugwell	Gov.	24.38601903°	79.99913981°	11.7
61	Bilha Village Borewell	Pvt.	24.3857701°	79.99870981°	9.8
62	Bilha Village Dugwell	Pvt.	24.38523181°	79.99848159°	9.5
63	Sanaura village borewell	Pvt.	24.4192449°	79.98465812°	11.2
64	Bilha Village Borewell	Pvt.	24.38411591°	79.99892887°	9.9
65	Udala village borewell	Pvt.	24.40448668°	79.91094499°	7.9
66	Piezometer Near security Barrack	Cement Plant	24.33056845°	79.97787985°	14.72
67	Piezometer (Nr Kakra Crusher)	Kakra Mines	24.32979932°	79.9714391°	9.43
68	Piezometer (Nr Kakra Mine Pit)	Kakra Mines	24.32979932°	79.9714391°	14.24

Pithampur Industrial Waste Management Private Limited
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CIN No. U90000TG2010PTC071919

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S. Babyrani
S. Babyrani
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Certificate REG No : 44 104 20392865 (ISO 9001 : 2015)
Certificate REG No : 44 126 20392865 (ISO 14001 : 2015)

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piwmp.com



J.K. Cement Works, Panna
A Unit of J.K. Cement Limited
CIN: L17229UP1994PLC017199

● Village - Harduwaken, Tehsil - Amangan], Post Office - Pura
District - Panna, State - Madhya Pradesh, India - 488 441
● jkc.panna@jkcement.com
● www.jkcement.com

Ref: JKCEMENT/ENV/EMR/2025-26/208/116

Date: 08.03.2026

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-2026 for Kakra - Panna Limestone Mine of M/s J K Cement Ltd. Located at Village- Kakra, Kamtana, Saptal, Judi, Devri Purohit & Devra, Tehsil-Amangan], District Panna (M.P.)

Reference No.: EC No.-F. No. J-11015/190/2016-IA.II (M) dated 31.08.2020

Dear Sir,

With reference to the aforesaid subject, please find herewith enclosed Surface water & Ground Water Quality Analysis Reports for the month of January-2026 for Kakra -Panna Limestone Mine of M/s J K Cement Ltd. Located at Village- Kakra, Kamtana, Saptal, Judi, Devri Purohit & Devra, Tehsil-Amangan], District Panna (M.P.) for your kind information and record please.

Thanking You
Yours faithfully,

For Kakra-Panna Limestone Mine
(A unit of J K Cement Ltd., Panna)


Kapil Agrawal
(Unit Head)

Encl: As above

CC to:-

1. The Add.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-462016
2. Member Secretary, CGWA, Jamnagar House, 18/11, Man singh Road Area, New Delhi, Delhi-110001
3. Regional Director, CGWB Regional Office,Block-1,4 th 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
● Prism Tower, Ninenhya Estate, Gwal Pahari,
Gurugram, Haryana - 122102, India
☎ +0124-6919000
✉ corpcom@jkcement.com



Manufacturing Units at:
Nimbahera, Mangrol, Gotan (Rajasthan) | Muddapur (Karnataka)
Jharil (Haryana) | Katni, Panna, Ujjain (M.P.) | Prayagraj, Aligarh, Hamirpur (U.P.)
Balesinor (Gujarat) | Buzar (Bihar) | Fujairah (UAE) | Ampevill, Choudwar (Odisha)





TC-11368

**TEST REPORT**

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD., (LABORATORY)

Issued to: M/s. J.K. Cement Works, Panna (A Unit of JK Cement Ltd.)

Report No : PIWMP/LAB/KCL-364/2025-26

Village- Hardwaken, Tehsil- Amangan]

Issue Date of Test Report: 05/02/2026

Dist. Panna, PIN- 488441

ULN No.: TC113592600000415F

Madhya Pradesh

Lab Ref. No: PIWMP/LAB/4668, 4708, 4709/2025-26

Sample Locations: Surface Water - Mirhasan River Near Amangan], Singaura Village & Sonar River Near Village Santa

Nature of Sample: Surface Water

Packing Type: Unsealed

Date & Time of Sampling: 20/01/2026 at 10:30 Hours

Date of Receipt: 22/01/2026

Start Date of Analysis: 22/01/2026

End Date of Analysis: 02/02/2026

Other Details:

Ref:1 Sample Quantity: Each 5 Litre (Poly bottle)

Ref:2

Ambient Temperature: 25.3 °C

Ref:3 Sample Collected by : RESL Lab Team

Ref:4

Humidity: 51 %

Ref:5 Sampling Protocol: PIWMP/LAB/SOP/02

Test Reports

Table 1 - Physical, Chemical & Microbiological Parameters

S. No.	Parameters	Unit	Test Method	Sampling Location		
				Mirhasan River Near Amangan]	Singaura Village	Sonar River Near Village Santa
1	pH Value (at 25°C)	-	APHA 24 th Edition, 4500 H+ B : 2023	7.81	7.36	7.54
2	Colour	CU	APHA 24 th Edition, 2120 B : 2023 (Visual Comparison)	<1.0	<1.0	<1.0
3	Total Dissolved Solids	mg/L	APHA 24 th Edition, 2540 C : 2023	488.0	390.0	870.0
4	Total Hardness as CaCO ₃	mg/L	APHA 24 th Edition, 2340 C : 2023	206.0	150.0	185.0
5	Calcium as Ca	mg/L	APHA 24 th Edition, 3500 Ca B : 2023	44.88	31.26	36.47
6	Magnesium as Mg	mg/L	APHA 24 th Edition, 3500 Mg B : 2023	22.60	17.30	22.84
7	Sodium as Na	mg/L	APHA 24 th Edition, 3500 Na B : 2023	77.84	57.28	61.25
8	Potassium as K	mg/L	APHA 24 th Edition, 3500 K B : 2023	5.69	4.75	5.19
9	Alkalinity as CaCO ₃	mg/L	APHA 24 th Edition, 2320 B : 2023	175.0	125.0	180.0
10	Sulphate as SO ₄ ²⁻	mg/L	AAPHA 24 th Edition, 4500 SO ₄ ²⁻ E : 2023	27.04	16.89	17.28
11	Chlorides as Cl ⁻	mg/L	APHA 24 th Edition, 4500 Cl ⁻ C : 2023	122.30	86.89	108.96
12	Nitrate as NO ₃	mg/L	APHA 24 th Edition, 4500 NO ₃ ⁻ B : 2023	8.17	6.94	8.22
13	Fluoride as F ⁻	mg/L	APHA 24 th Edition, 4500 F D : 2023	0.97	0.44	0.41

Page No. 1/2



S. Babyni
Authorized Signatory-Chemical
(S. Babyni)

Pithampur Industrial Waste Management Private Limited
(A Subsidiary of Re Sustainability Limited)

CIN No. U90000TG2010PTC071919

Registered Office:

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India.

Site Address:

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Pithampur, District Dhar - 454 775,
Madhya Pradesh,
India.

Certificate REG No : 23EQKR96 (ISO 9001 : 2015)
Certificate REG No : 23EEKW93 (ISO 14001 : 2015)
Certificate REG No : 23E0KE89 (ISO 45001 : 2018)

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Continuation Sheet - Report No : PWMP/LAB/WCL-364/2025-26

14	Copper as Cu	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1	<0.1	<0.1
15	Iron as Fe	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1	<0.1	<0.1
16	Zinc as Zn	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1	<0.1	<0.1
17	Cadmium as Cd	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1	<0.1	<0.1
18	Mercury as Hg	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.01	<0.01	<0.01
19	Lead as Pb	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1	<0.1	<0.1
20	Arsenic as As	mg/L	APHA 24 th Edition, 3114 B : 2023	<0.005	<0.005	<0.005
21	Chemical Oxygen Demand	mg/L	APHA 24 th Edition, 5220 B : 2023	12.0	16.0	16.0
22	Biochemical Oxygen Demand (03 Days at 27 °C)	mg/L	IS 3025 (Part 44) : 2019	<5.0	<5.0	<5.0
23	Oil and Grease	mg/L	APHA 24 th Edition, 5520 B : 2023	<4.0	<4.0	<4.0
24	Dissolved Oxygen	mg/L	APHA 24 th Edition, 4500 O C : 2023	5.8	6.2	6.1
25	Total Suspended Solids (at 105°C)	mg/L	APHA 24 th Edition, 2540 D : 2023	19.0	17.0	28.0
26	Total Coliform	per 100 ml	PWMP/LAB/STP/56, Issue No.-1, Issue Date: 01.04.2024	Not Detected	Not Detected	Not Detected
27	E.Coli	per 100 ml	PWMP/LAB/STP/56, Issue No.-1, Issue Date: 01.04.2024	Not Detected	Not Detected	Not Detected

Note: 1. The above results relate only to conditions prevailing at the time of sampling.
2. < refers to "Less Than"

***** End of the test report *****

Shradha
Authorized Signatory-Biological
(Shradha Mishra)



S. Babbarani
Authorized Signatory-Chemical
(S. Babbarani)

Pithampur Industrial Waste Management Private Limited
(A Subsidiary of Re Sustainability Limited)

CIN No. U90000TG2010PTC071919

Registered Office:

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Site Address:

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Certificate REG No : 23EQKR95 (ISO 9001 : 2015)
Certificate REG No : 23EEKW93 (ISO 14001 : 2015)
Certificate REG No : 23EOKER9 (ISO 45001 : 2018)

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TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD., (LABORATORY)

Issued to: M/s. J.K. Cement Works, Panna (A Unit of JK Cement Ltd.)

Report No : PIWMPL/LAB/IKCL-364-I/2025-26

Village- Harduvalker, Tehsil- Amanganj

Issue Date of Test Report: 05/02/2026

Dist. Panna, PIN- 488443

Lab Ref. No: PIWMPL/LAB/4665, 4705, 4709/2025-26

Madhya Pradesh

Sample Locations: Surface Water - Mirhasan River Near Amanganj, Singaura Village & Sonar River Near Village Santa

Nature of Sample: Surface Water

Packing Type: Unsealed

Date & Time of Sampling: 20/01/2026 at 10:20 Hours

Date of Receipt: 22/01/2026

Start Date of Analysis: 22/01/2026

End Date of Analysis: 02/02/2026

Other Details :

Ref:1 Sample Quantity: Each 5 Litre (Poly bottle)

Ref:2 Ambient Temperature: 25.5 °C

Ref:3 Sample Collected by : RESL Lab Team

Ref:4 Humidity: 51 %

Ref:5 Sampling Protocol: PIWMPL/LAB/SOP/02

Test Reports

Table 1 - Physical & Chemical Parameters

S. No.	Parameters	Unit	Test Method	Sampling Location		
				Mirhasan River Near Amanganj	Singaura Village	Sonar River Near Village Santa
1	Turbidity	NTU	APHA 24 th Edition, 2130 B : 2023	4.9	9.5	5.8
2	Hexavalent Chromium as Cr ⁶⁺	mg/L	APHA 24 th Edition, 3500 Cr B : 2023	<0.05	<0.05	<0.05
3	Phenolic Compound as C ₆ H ₅ OH	mg/L	APHA 24 th Edition, 5530 D : 2023	<0.001	<0.001	<0.001

Note: 1. The above results relate only to conditions prevailing at the time of sampling.
2. < refers to "Less Than"

*****End of the test report*****



S. Babayan
Authorized Signatory-Chemical
(S. Babayan)

Page No. 1/1

PIWMPL/LAB/QAF/00/21.07.2022

Pithampur Industrial Waste Management Private Limited
(A Subsidiary of Re Sustainability Limited)

CIN No. U90000TG2010PTC071919

Registered Office:

Level 11B, Aurobindo Galaxy,
Hyderabad Knowledge City,
Hitech City Road, Hyderabad-500 081.
India.

Site Address:

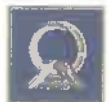
Plot No 104, Industrial Area, Sector-II,
Pithampur, District Dhar - 454 775,
Madhya Pradesh,
India.

Certificate REG No : 23EQKR96 (ISO 9001 : 2015)
Certificate REG No : 23EEKW93 (ISO 14001 : 2015)
Certificate REG No : 23EOKE89 (ISO 45001 : 2018)

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TC-11369



Sustainability

TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD., (LABORATORY)

Issued to: M/s. J.K. Cement Works, Penna (A Unit of JK Cement Ltd.)

Report No : PIWMP/LAB/JKCL-365/2025-26

Village- Harduwalan, Tehsil- Amanganj

Issue Date of Test Report: 05/02/2026

Dist. Penna, PIN-488441

ULR No: TC113592800000416F

Madhya Pradesh

Lab Ref. No: PIWMP/LAB/6710, 4711, 4712/2025-26

Sample Locations: Surface Water - Pond Near Amanganj, Benna River Near Galsabad Village & Pond Purains Village

Nature of Sample: Surface Water

Packing Type: Unsealed

Date & Time of Sampling: 20/01/2026 at 10:30 Hours

Date of Receipt: 22/01/2026

Start Date of Analysis: 22/01/2026

End Date of Analysis: 02/02/2026

Other Details :

Ref:1 Sample Quantity: Each 5 Litre (Poly bottle)

Ref:2

Ambient Temperature: 25.3 °C

Ref:3 Sample Collected by : RESL Lab Team

Ref:4

Humidity: 51 %

Ref:5 Sampling Protocol: PIWMP/LAB/SOP/02

Test Reports

Table 1 - Physical, Chemical & Microbiological Parameters

S. No.	Parameters	Unit	Test Method	Sampling Location		
				Pond Near Amanganj	Benna River Near Galsabad Village	Pond Purains Village
1	pH Value (at 25°C)	-	APHA 24 th Edition, 4500 H+ B : 2023	7.42	7.29	7.56
2	Colour	CU	APHA 24 th Edition, 2120 B : 2023 (Visual Comparison)	<1.0	<1.0	<1.0
3	Total Dissolved Solids	mg/L	APHA 24 th Edition, 2540 C : 2023	364.0	334.0	435.0
4	Total Hardness as CaCO ₃	mg/L	APHA 24 th Edition, 2340 C : 2023	172.0	177.0	225.0
5	Calcium as Ca	mg/L	APHA 24 th Edition, 3500 Ca B : 2023	84.07	88.27	45.29
6	Magnesium as Mg	mg/L	APHA 24 th Edition, 3500 Mg B : 2023	21.24	22.84	27.22
7	Sodium as Na	mg/L	APHA 24 th Edition, 3500 Na B : 2023	60.23	41.88	78.48
8	Potassium as K	mg/L	APHA 24 th Edition, 3500 K B : 2023	7.18	5.91	8.14
9	Alkalinity as CaCO ₃	mg/L	APHA 24 th Edition, 2320 B : 2023	195.0	145.0	220.0
10	Sulphate as SO ₄ ²⁻	mg/L	AAPHA 24 th Edition, 4500 SO ₄ ²⁻ E : 2023	24.15	23.41	25.09
11	Chlorides as Cl ⁻	mg/L	APHA 24 th Edition, 4500 Cl ⁻ C : 2023	99.07	68.49	115.19
12	Nitrate as NO ₃	mg/L	APHA 24 th Edition, 4500 NO ₃ ⁻ B : 2023	13.28	16.21	13.86
13	Fluoride as F	mg/L	APHA 24 th Edition, 4500 F D : 2023	0.96	0.63	0.59

Page No. 1/2

Authorized Signatory-Chemical
(S. Babbar)Pithampur Industrial Waste Management Private Limited
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Certificate REG No : 23EOKR99 (ISO 45001 : 2018)

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Condensation Sheet - Report No : PIWMP/LAB/IKCI-173/2023-26

14	Copper as Cu	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1	<0.1	<0.1
15	Iron as Fe	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1	<0.1	<0.1
16	Zinc as Zn	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1	<0.1	<0.1
17	Cadmium as Cd	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1	<0.1	<0.1
18	Mercury as Hg	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.01	<0.01	<0.01
19	Lead as Pb	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1	<0.1	<0.1
20	Arsenic as As	mg/L	APHA 24 th Edition, 3114 B : 2023	<0.005	<0.005	<0.005
21	Chemical Oxygen Demand	mg/L	APHA 24 th Edition, 5220 B : 2023	20.0	12.0	28.0
22	Biochemical Oxygen Demand (03 Days at 27 °C)	mg/L	IS 3025 (Part 44) : 2019	5.1	<5.0	9.9
23	Oil and Grease	mg/L	APHA 24 th Edition, 5520 B : 2023	<4.0	<4.0	<4.0
24	Dissolved Oxygen	mg/L	APHA 24 th Edition, 4500 O C : 2023	5.8	6.2	5.7
25	Total Suspended Solids (at 105°C)	mg/L	APHA 24 th Edition, 2540 D : 2023	19.0	18.0	21.0
26	Total Coliform	per 100 ml	PIWMP/LAB/STP/56, Issue No.-1, Issue Date: 01.04.2024	Not Detected	Not Detected	Not Detected
27	E.Coli	per 100 ml	PIWMP/LAB/STP/56, Issue No.-1, Issue Date: 01.04.2024	Not Detected	Not Detected	Not Detected

Notes: 1. The above results relate only to conditions prevailing at the time of sampling.
2. < refers to "Less Than"

End of the test report

Shradha
Authorized Signatory-Biological
(Shradha Mishra)



Abhyant
Authorized Signatory-Chemical
(S. Abhyant)

Pithampur Industrial Waste Management Private Limited
(A Subsidiary of Re Sustainability Limited)

CIN No. U90000TG2010PTC071919

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Certificate REG No : 23EOKE89 [ISO 45001 : 2018]

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TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD., (LABORATORY)

Issued to: M/s. J.K. Cement Works, Panna (A Unit of JK Cement Ltd.)

Report No : PIWMPL/LAB/JKCL-365-4/2025-26

Village- Harduwaken, Tehsil- Amanganj

Issue Date of Test Report: 05/02/2026

Dist. Panna, PIN- 488441

Lab Ref. No: PIWMPL/LAB/4710, 4711, 4712/2025-26

Madhya Pradesh

Sample Location: Surface Water - Pond Near Amanganj, Berma River Near GaisaBad Village & Pond Puraina Village

Nature of Sample: Surface Water

Packing Type: Unsealed

Date & Time of Sampling: 20/01/2026 at 10:30 Hours

Date of Receipt: 22/01/2026

Start Date of Analysis: 22/01/2026

End Date of Analysis: 02/02/2026

Other Details :

Ref:1 Sample Quantity: Each 5 Litre (Poly bottle)

Ref:2 Ambient Temperature: 25.3 °C

Ref:3 Sample Collected by : RESL Lab Team

Ref:4 Humidity: 51 %

Ref:5 Sampling Protocol: PIWMPL/LAB/SOP/02

Test Reports

Table 1 - Physical & Chemical Parameters

S. No.	Parameters	Unit	Test Method	Sampling Location		
				Pond Near Amanganj	Berma River Near GaisaBad Village	Pond Puraina Village
1	Turbidity	NTU	APHA 24 th Edition, 2130 B : 2023	14.0	9.0	15.0
2	Hexavalent Chromium as Cr+6	mg/L	APHA 24 th Edition, 3500 Cr B : 2023	<0.05	<0.05	<0.05
3	Phenolic Compound as C ₆ H ₅ OH	mg/L	APHA 24 th Edition, 5530 D : 2023	<0.001	<0.001	<0.001

Note: 1. The above results relate only to conditions prevailing at the time of sampling.
2. < refers to "Less Than"

*****End of the test report*****



S. Babbar
Authorized Signatory-Chemical
(S. Babbar)

Page No. 1/1

PIWMPL/LAB/QRF/00/21.07.2022

Pithampur Industrial Waste Management Private Limited
(A Subsidiary of Re Sustainability Limited)

CIN No. U90000TG2010PTC071919

Registered Office:

Level IIB, Aurobindo Galaxy,
Hyderabad Knowledge City,
HITECH City Road, Hyderabad-500 081,
India.

Site Address:

Plot No 104, Industrial Area, Sector-II,
Pithampur, District Dhar - 454 775,
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Certificate REG No : 23EQKR96 (ISO 9001 : 2015)
Certificate REG No : 23EEKW93 (ISO 14001 : 2015)
Certificate REG No : 23EOKE89 (ISO 45001 : 2018)

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TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD., (LABORATORY)

Issued to: M/s. J.K. Cement Works, Parina (A Unit of JK Cement Ltd.)

Report No : PIWMP/LAB/IKCL-566/2025-26

Village- Haridwakan, Tehsil- Amanganj

Issue Date of Test Report: 05/02/2026

Dist. Panna, PIN- 488441

ULR No.: TC113992600000417F

Madhya Pradesh

Lab Ref. No: PIWMP/LAB/4713/2025-26

Sample Description: Surface Water (Cement Plant)

Nature of Sample: Surface Water

Packing Type: Unsealed

Date & Time of Sampling: 20/01/2026 at 10:40 Hours

Date of Receipt: 22/01/2026

Start Date of Analysis: 22/01/2026

End Date of Analysis: 02/02/2026

Other Details :

Ref:1 Sample Quantity: Each 5 Litre (Poly bottle)

Ref:2 Ambient Temperature: 25.3 °C

Ref:3 Sample Collected by: RESL Lab Team

Ref:4 Humidity: 51 %

Ref:5 Sampling Protocol: PIWMP/LAB/SOP/02

Test Reports

Table 1 - Physical, Chemical & Microbiological Parameters

S. No.	Parameters	Unit	Test Method	Sampling Location		
				Pond Near Chikha Village	Pond Near Unml Village	Wells Near Deora Village
1	pH Value (at 25°C)	-	APHA 24 th Edition, 4500 H+ B : 2023	7.44	7.62	7.57
2	Colour	CU	APHA 24 th Edition, 2120 B : 2023 (Visual Comparison)	<1.0	<1.0	<1.0
3	Total Dissolved Solids	mg/L	APHA 24 th Edition, 2540 C : 2023	397.0	416.0	341.0
4	Total Hardness as CaCO ₃	mg/L	APHA 24 th Edition, 2340 C : 2023	200.0	210.0	180.0
5	Calcium as Ca	mg/L	APHA 24 th Edition, 3500 Ca B : 2023	40.88	39.28	34.47
6	Magnesium as Mg	mg/L	APHA 24 th Edition, 3500 Mg B : 2023	28.91	27.22	22.84
7	Sodium as Na	mg/L	APHA 24 th Edition, 3500 Na B : 2023	64.29	66.23	58.19
8	Potassium as K	mg/L	APHA 24 th Edition, 3500 K B : 2023	5.19	6.84	4.95
9	Alkalinity as CaCO ₃	mg/L	APHA 24 th Edition, 2320 B : 2023	180.0	200.0	150.0
10	Sulphate as SO ₄ ²⁻	mg/L	AAPHA 24 th Edition, 4500 SO ₄ ²⁻ E : 2023	19.45	27.38	28.44
11	Chlorides as Cl ⁻	mg/L	APHA 24 th Edition, 4500 Cl C : 2023	97.84	90.50	88.28
12	Nitrate as NO ₃ ⁻	mg/L	APHA 24 th Edition, 4500 NO ₃ ⁻ B : 2023	8.13	11.48	7.24
13	Fluoride as F ⁻	mg/L	APHA 24 th Edition, 4500 F D : 2023	0.58	0.61	0.54



Authorized Signatory-Chemical (S. Babayan)

Pithampur Industrial Waste Management Private Limited
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Conclusion Sheet - Report No : PIWMPL/LAB/IKCL-366/2025-26

14	Copper as Cu	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1	<0.1	<0.1
15	Iron as Fe	mg/L	APHA 24 th Edition, 3111 B : 2023	0.17	0.19	0.21
16	Zinc as Zn	mg/L	APHA 24 th Edition, 3111 B : 2023	0.23	<0.1	0.38
17	Cadmium as Cd	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1	<0.1	<0.1
18	Mercury as Hg	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.01	<0.01	<0.01
19	Lead as Pb	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1	<0.1	<0.1
20	Arsenic as As	mg/L	APHA 24 th Edition, 3114 B : 2023	<0.005	<0.005	<0.005
21	Chemical Oxygen Demand	mg/L	APHA 24 th Edition, 5220 B : 2023	40.0	36.0	44.0
22	Biochemical Oxygen Demand (03 Days at 27 °C)	mg/L	IS 3025 (Part 4) : 2023	8.2	6.5	8.5
23	Oil and Grease	mg/L	APHA 24 th Edition, 5520 B : 2023	<6.0	<4.0	<4.0
24	Dissolved Oxygen	mg/L	APHA 24 th Edition, 4500 O C : 2023	5.6	5.8	5.3
25	Total Suspended Solids (at 105°C)	mg/L	APHA 24 th Edition, 2540 D : 2023	18.0	26.0	19.0
26	Total Coliform	per 100 ml	PIWMPL/LAB/STP/56, Issue No.-1, Issue Date: 01.04.2024	Not Detected	Not Detected	Not Detected
27	E.Coli	per 100 ml	PIWMPL/LAB/STP/56, Issue No.-1, Issue Date: 01.04.2024	Not Detected	Not Detected	Not Detected

Notes:
 1. The above results relate only to conditions prevailing at the time of sampling.
 2. < refers to "Less Than"

*****end of the test report*****

Shradha
 Authorized Signatory-Biological
 (Shradha Mishra)



Deep
 Authorized Signatory-Chemical
 (S. Balyaram)

Pithampur Industrial Waste Management Private Limited
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 Certificate REG No : 23EOKR99 [ISO 45001 : 2018]

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TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD., (LABORATORY)

Issued to: J.K. Cement Works, Panna (A Unit of JK Cement Ltd.)

Report No : PWMP/LAB/IKL-366-/2025-26

Village- Harduwakan, Tehsil- Amanganj

Issue Date of Test Report: 05/02/2026

Dist. Panna, PIN- 488441

Lab Ref. No: PWMP/LAB/4713/2025-26

MADHYA PRADESH

Sample Description: Surface Water (Cement Plant)

Mature of Sample: Surface Water

Packing Type: Unsealed

Date & Time of Sampling: 20/01/2026 at 10:40 Hours

Date of Receipt: 22/01/2026

Start Date of Analysis: 22/01/2026

End Date of Analysis: 02/02/2026

Other Details :

Ref:1 Sample Quantity: Each 5 Litre (Poly bottle)

Ref:2 Ambient Temperature: 29.3 °C

Ref:3 Sample Collected by : RESL Lab Team

Ref:4 Humidity: 51 %

Ref:5 Sampling Protocol: PWMP/LAB/SOP/02

Test Reports

Table 1 - Physical & Chemical Parameters

S. No.	Parameters	Unit	Test Method	Sampling Location		
				Pond Near Chikbia Village	Pond Near Umri Village	Nalla Near Deora Village
1	Turbidity	NTU	APHA 24 th Edition, 2130 B : 2023	6.0	11.0	9.0
2	Hexavalent Chromium as Cr+6	mg/L	APHA 24 th Edition, 3500 Cr B : 2023	<0.05	<0.05	<0.05
3	Phenolic Compound as C ₆ H ₅ OH	mg/L	APHA 24 th Edition, 3530 D : 2023	<0.001	<0.001	<0.001

- Notes:**
- The above results relate only to conditions prevailing at the time of sampling.
 - < refers to "Less Than"

*****End of the test report*****



S. Babyranj
Authorized Signatory-Chemical
(S. Babyranj)





TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD., (LABORATORY)

Issued to: M/s. J.K. Cement Works, Panna (A Unit of JK Cement Ltd.)

Report No: PIWMP/LAB/JKCL-367/2025-26

Village- Harduwakan, Tehsil- Amangan]

Issue Date of Test Report: 05/02/2026

Dist. Panna, PIN- 488441

ULR No.: TC113992600000418F

Madhya Pradesh

Lab Ref. No: PIWMP/LAB/4714, 4715, 4716/2025-26

Sample Location: Surface Water - Pond Near Pagra Village, Ken River Near Tigra Village & Bataha Nalla Near Surajpur

Nature of Sample: Surface Water

Packing Type: Unsealed

Date & Time of Sampling: 20/01/2026 at 11:00 Hours

Date of Receipt: 22/01/2026

Start Date of Analysis: 22/01/2026

End Date of Analysis: 02/02/2026

Other Details :

Ref:1 Sample Quantity: Each 5 Litre (Poly bottle)

Ref:2 Ambient Temperature: 25.3 °C

Ref:3 Sample Collected by : RESL Lab Team

Ref:4 Humidity: 51 %

Ref:5 Sampling Protocol: PIWMP/LAB/SOP/02

Test Reports

Table 1 - Physical, Chemical & Microbiological Parameters

S. No.	Parameters	Unit	Test Method	Sampling Location		
				Pond Near Pagra Village	Ken River Near Tigra Village	Bataha Nalla Near Surajpur
1	pH Value (at 25°C)	-	APHA 24 th Edition, 4500 H+ B : 2023	7.45	7.64	8.04
2	Colour	CU	APHA 24 th Edition, 2120 B : 2023 (Visual Comparison)	<1.0	<1.0	<1.0
3	Total Dissolved Solids	mg/L	APHA 24 th Edition, 2540 C : 2023	454.0	351.0	398.0
4	Total Hardness as CaCO ₃	mg/L	APHA 24 th Edition, 2340 C : 2023	220.0	182.0	215.0
5	Calcium as Ca	mg/L	APHA 24 th Edition, 3500 Ca B : 2023	45.29	37.27	38.48
6	Magnesium as Mg	mg/L	APHA 24 th Edition, 3500 Mg B : 2023	28.00	21.88	28.92
7	Sodium as Na	mg/L	APHA 24 th Edition, 3500 Na B : 2023	79.42	55.05	52.14
8	Potassium as K	mg/L	APHA 24 th Edition, 3500 K B : 2023	9.28	8.15	7.42
9	Alkalinity as CaCO ₃	mg/L	APHA 24 th Edition, 2320 B : 2023	220.0	170.0	180.0
10	Sulphate as SO ₄ ²⁻	mg/L	AAPHA 24 th Edition, 4500 SO ₄ ²⁻ E : 2023	81.04	15.76	17.28
11	Chlorides as Cl ⁻	mg/L	APHA 24 th Edition, 4500 Cl ⁻ C : 2023	109.96	83.61	116.18
12	Nitrate as NO ₃	mg/L	APHA 24 th Edition, 4500 NO ₃ ⁻ B : 2023	8.15	7.49	9.13
13	Fluoride as F ⁻	mg/L	APHA 24 th Edition, 4500 F D : 2023	0.45	0.39	0.54



Authorized Signatory-Chemical
(S. Babynani)

Pithampur Industrial Waste Management Private Limited
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Certificate REG No : 23EOKE89 (ISO 45001 : 2018)

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Continuation Sheet - Report No : PIWMPL/LAB/IKL-367/2025-26

14	Copper as Cu	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1	<0.1	<0.1
15	Iron as Fe	mg/L	APHA 24 th Edition, 3111 B : 2023	0.11	0.19	0.21
16	Zinc as Zn	mg/L	APHA 24 th Edition, 3111 B : 2023	0.91	0.85	<0.1
17	Cadmium as Cd	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1	<0.1	<0.1
18	Mercury as Hg	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.01	<0.01	<0.01
19	Lead as Pb	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1	<0.1	<0.1
20	Arsenic as As	mg/L	APHA 24 th Edition, 3114 B : 2023	<0.005	<0.005	<0.005
21	Chemical Oxygen Demand	mg/L	APHA 24 th Edition, 5220 B : 2023	36.0	44.0	32.0
22	Biochemical Oxygen Demand (03 Days at 27 °C)	mg/L	IS 3025 (Part 44) : 2019	6.8	7.5	8.1
23	Oil and Grease	mg/L	APHA 24 th Edition, 5520 B : 2023	<4.0	<4.0	<4.0
24	Dissolved Oxygen	mg/L	APHA 24 th Edition, 4500 D C : 2023	5.4	5.2	5.6
25	Total Suspended Solids (at 105°C)	mg/L	APHA 24 th Edition, 2540 D : 2023	21.0	28.0	27.0
26	Total Coliform	per 100 ml	PIWMPL/LAB/STP/56, Issue No.-1, Issue Date: 01.04.2024	Not Detected	Not Detected	Not Detected
27	E.Coli	per 100 ml	PIWMPL/LAB/STP/56, Issue No.-1, Issue Date: 01.04.2024	Not Detected	Not Detected	Not Detected

Notes: 1. The above results relate only to conditions prevailing at the time of sampling.
 2. < refers to "Less Than"

*****End of the test report*****


 Authorized Signatory-Biological
 (Shradha Mishra)




 Authorized Signatory-Chemical
 (S. Baburam)

Pithampur Industrial Waste Management Private Limited
 (A Subsidiary of Re Sustainability Limited)

CIN No. U90000TG2010PTC071919

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TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD., (LABORATORY)

Issued to: M/s. J.K. Cement Works, Panna (A Unit of JK Cement Ltd.)

Report No : PIWMP/LAB/JKCL-367-1/2025-26

Village- Harduwan, Tahsil- Amargarj

Issue Date of Test Report: 05/02/2026

Dist. Panna, PIN- 488441

Lab Ref. No: PIWMP/LAB/471A, 471B, 471C/2025-26

Madhya Pradesh

Sample Locations: Surface Water - Pond Near Pagra Village, Kan River Near Tigra Village & Betaha Nalla Near Surajpur

Nature of Sample: Surface Water

Packing Type: Unsealed

Date & Time of Sampling: 20/01/2026 at 11:10 Hours

Date of Receipt: 22/01/2026

Start Date of Analysis: 22/01/2026

End Date of Analysis: 02/02/2026

Other Details:

Ref:1 Sample Quantity: Each 5 Litre (Poly bottle)

Ref:2 Ambient Temperature: 25.3 °C

Ref:3 Sample Collected by: RESL Lab Team

Ref:4 Humidity: 51 %

Ref:5 Sampling Protocol: PIWMP/LAB/SOP/02

Test Reports

Table 1 - Physical & Chemical Parameters

S. No.	Parameters	Unit	Test Method	Sampling Location		
				Pond Near Pagra Village	Kan River Near Tigra Village	Betaha Nalla Near Surajpur
1	Turbidity	NTU	APHA 24 th Edition, 2130 B : 2023	13.0	7.0	15.0
2	Hexavalent Chromium as Cr ⁶⁺	mg/L	APHA 24 th Edition, 3500 Cr B : 2023	<0.05	<0.05	<0.05
3	Phenolic Compound as C ₆ H ₅ OH	mg/L	APHA 24 th Edition, 5530 D : 2023	<0.001	<0.001	<0.001

Note: 1. The above results relate only to conditions prevailing at the time of sampling.
2. < refers to "Less Than"

*****End of the test report*****



S. Baburani
Authorized Signatory-Chemical
(S. Baburani)

Page No. 1/1

PIWMP/LAB/ORF/00/21.07.2022

Pithampur Industrial Waste Management Private Limited
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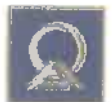
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Certificate REG No : 23EOKR99 (ISO 45001 : 2018)

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TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD., (LABORATORY)

Issued to: M/s. Kalra-Parwa Limestone Mine (A Unit of JK Cement Ltd.)

Report No: PIWMP/LAB/JKCL-368/2025-26

Village- Harduwan, Tehsil- Amangan

Issue Date of Test Report: 05/02/2026

Dist. Panna, PIN- 486441

ULR No.: TC1135826200000439F

MADHYA PRADESH

Lab Ref. No: PIWMP/LAB/4717/2025-26

Sample Location: Surface Water - Run off Water Kalra Mine Pit-01

Nature of Sample: Surface Water

Packing Type: Unsealed

Date & Time of Sampling: 20/01/2026 at 11:00 Hours

Date of Receipt: 22/01/2026

Start Date of Analysis: 22/01/2026

End Date of Analysis: 02/02/2026

Other Details :

Ref:1 Sample Quantity: 5 Litre (Poly bottle)

Ref:2 Ambient Temperature: 29.5°C

Ref:3 Sample Collected by: RESL Lab Team

Ref:4 Humidity: 51 %

Ref:5 Sampling Protocol: PIWMP/LAB/SOP/02

Test Reports

Table 1 - Physical, Chemical & Microbiological Parameters

S. No.	Parameters	Unit	Test Method	Sampling Location
				Run of Water Kalra Mine
1	pH Value (at 25°C)	-	APHA 24 th Edition, 4500 H+ B : 2023	7.44
2	Colour	CU	APHA 24 th Edition, 2120 B : 2023 (Visual Comparison)	<1.0
3	Total Dissolved Solids	mg/L	APHA 24 th Edition, 2540 C : 2023	947
4	Total Hardness as CaCO ₃	mg/L	APHA 24 th Edition, 3940 C : 2023	198.0
5	Calcium as Ca	mg/L	APHA 24 th Edition, 3500 Ca B : 2023	35.27
6	Magnesium as Mg	mg/L	APHA 24 th Edition, 3500 Mg B : 2023	26.73
7	Sodium as Na	mg/L	APHA 24 th Edition, 3500 Na B : 2023	43.29
8	Potassium as K	mg/L	APHA 24 th Edition, 3500 K B : 2023	7.95
9	Alkalinity as CaCO ₃	mg/L	APHA 24 th Edition, 2920 B : 2023	155.0
10	Sulphate as SO ₄ ²⁻	mg/L	AAPHA 24 th Edition, 4500 SO ₄ ²⁻ E : 2023	18.84
11	Chlorides as Cl ⁻	mg/L	APHA 24 th Edition, 4500 Cl ⁻ C : 2023	91.73
12	Nitrate as NO ₃	mg/L	APHA 24 th Edition, 4500 NO ₃ ⁻ B : 2023	7.95
13	Fluoride as F ⁻	mg/L	APHA 24 th Edition, 4500 F D : 2023	0.51

Page No. 1/2



Authorized Signatory-Chemical
(S. Babbarani)

Pithampur Industrial Waste Management Private Limited
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TC-11368



Sustainability

Continuation Sheet - Report No : PIWMPL/LAB/JKCL-368/2023-26

14	Copper as Cu	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1
15	Iron as Fe	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1
16	Zinc as Zn	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1
17	Cadmium as Cd	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1
18	Mercury as Hg	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.01
19	Lead as Pb	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1
20	Arsenic as As	mg/L	APHA 24 th Edition, 3114 B : 2023	<0.05
21	Chemical Oxygen Demand	mg/L	APHA 24 th Edition, 5220 B : 2023	<5.0
22	Biochemical Oxygen Demand (5 Days at 27 °C)	mg/L	IS 3025 (Part 44) : 2019	<5.0
23	Oil and Grease	mg/L	APHA 24 th Edition, 5520 B : 2023	<4.0
24	Dissolved Oxygen	mg/L	APHA 24 th Edition, 4500 C C : 2023	6.5
25	Total Suspended Solids (at 105°C)	mg/L	APHA 24 th Edition, 2540 D : 2023	8.0
26	Total Coliform	per 100 ml	PIWMPL/LAB/STP/56, Issue No.-1, Issue Date: 01.04.2024	Not Detected
27	E.Coli	per 100 ml	PIWMPL/LAB/STP/56, Issue No.-1, Issue Date: 01.04.2024	Not Detected

Notes: 1. The above results relate only to conditions prevailing at the time of sampling.
2. < refers to "Less Than"

*****End of the test report*****


Authorized Signatory-Biological
(Shradha Mishra)




Authorized Signatory-Chemical
(S. Babyrini)

Page No. 2/2

PIWMPL/LAB/CRF/00/21.07.2022

Pithampur Industrial Waste Management Private Limited
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Certificate REG No : 23EOKE89 (ISO 45001 : 2018)

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TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD., (LABORATORY)			
Issued to: J.J. Cement Works, Parra (A Unit of JK Cement Ltd.)		Report No: PWMP/LAB/IKCL-368-I/2025-26	
Village- Harduwalen, Tehsil- Amangan		Issue Date of Test Report: 05/02/2026	
Dist. Parra, PIN- 488443		Lab Ref. No: PWMP/LAB/4717/2025-26	
MADHYA PRADESH			
Sample Location: Surface Water (Kakra Mine) - Run of Water Kakra Mine			
Nature of Sample: Surface Water		Packing Type: Unsealed	
Date & Time of Sampling: 20/01/2026 at 11:00 Hours		Date of Receipt: 22/01/2026	
Start Date of Analysis: 22/01/2025		End Date of Analysis: 02/02/2026	
Other Details :			
Ref1	Sample Quantity: 5 Litre (Poly bottle)	Ref2	Ambient Temperature: 26.9°C
Ref3	Sample Collected by : RESL Lab Team	Ref4	Humidity: 51 %
Ref5	Sampling Protocol: PWMP/LAB/SOP/02		

Test Reports

Table 1 - Physical & Chemical Parameters

S. No.	Parameters	Unit	Test Method	Sampling Location
				Run of Water Kakra Mine
1	Turbidity	NTU	APHA 24 th Edition, 2130 B : 2023	5.0
2	Hexavalent Chromium as Cr ^{VI}	mg/L	APHA 24 th Edition, 3500 Cr B : 2023	<0.05
3	Phenolic Compound as C ₆ H ₅ OH	mg/L	APHA 24 th Edition, 5530 D : 2023	<0.001

- Notes:**
1. The above results relate only to conditions prevailing at the time of sampling.
 2. < refers to "Less Than"

*****End of the test report*****



Soupre!
Authorized Signatory-Chemical
(S. Babynani)





TC-11388

**TEST REPORT**

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD., (LABORATORY)

Issued to: M/s. Kakra-Panna Limestone Mine (A Unit of JK Cement Ltd.)

Report No.: PIWMPL/LAB/JKCL-353/2025-26

Village- Harduwakan, Tehsil- Amanganj

Issue Date of Test Report: 05/02/2025

Dist. Panna, PIN- 488441

ULR No.: TC213592600000404F

MADHYA PRADESH

Lab Ref. No.: PIWMPL/LAB/4586/2025-26

Sampling Location: Ground Water (Kakra Mine) - Kakra Mine Borewell

Nature of Sample: Ground Water

Packing Type: Unsealed

Date & Time of Sampling: 14/01/2025 at 11:30 Hours

Date of Receipt: 16/01/2025

Start Date of Analysis: 16/01/2025

End Date of Analysis: 27/01/2025

Other Details :

Ref:1 Sample Quantity: 5 Litre (Poly bottle)

Ref:2 Ambient Temperature: 23.5 °C

Ref:3 Sample Collected by : RESL Lab Team

Ref:4 Humidity: 56 %

Ref:5 Sampling Protocol: PIWMPL/LAB/SOP/02

TEST LIMITS AS PER IS 10500 : 2012

Table 1 - Physical, Chemical & Microbiological Parameters

S. No.	Parameters	Unit	Test Method	Sampling Location	Requirement (Acceptable Limits)	Permissible Limit in the Absence of Alternate Source
				Kakra Mine Borewell		
1	pH Value (at 25°C)	-	APHA 24 th Edition, 4500 H ⁺ B : 2023	7.16	6.5 to 8.5	No Relaxation
2	Colour	CU	APHA 24 th Edition, 2120 B : 2023 (Visual Comparison)	<1.0	5	15
3	Temperature	°C	APHA 24 th Edition, 2550 B	25	-	-
4	Total Hardness, as CaCO ₃	mg/L	APHA 24 th Edition, 2340 C : 2023	360.0	200	600
5	Calcium, as Ca	mg/L	APHA 24 th Edition, 3500 Ca B : 2023	64.13	75	200
6	Alkalinity as CaCO ₃	mg/L	APHA 24 th Edition, 2320 B : 2023	180.0	200	600
7	Sodium as Na	mg/L	APHA 24 th Edition, 3500 Na B : 2023	33.02	-	-
8	Chloride, as Cl ⁻	mg/L	APHA 24 th Edition, 4500 Cl ⁻ B : 2023	134.53	250	1000
9	Residual free Chlorine	mg/L	APHA 24 th Edition, 4500 Cl B : 2023	<0.1	0.2	1
10	Phosphate	mg/L	APHA 24 th Edition, 4500 P D : 2023	<0.3	-	-
11	Magnesium as Mg	mg/L	APHA 24 th Edition, 3500 Mg B : 2023	48.60	30	100
12	Total Dissolved Solids	mg/L	APHA 24 th Edition, 2540 C : 2023	495	500	2000
13	Sulphate as SO ₄ ²⁻	mg/L	APHA 24 th Edition, 4500 SO ₄ ²⁻ D : 2023	32.09	200	400
14	Fluoride as F	mg/L	APHA 24 th Edition, 4500 F D : 2023	0.53	1.0	1.5

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Authorized Signatory-Chemical
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Certificate REG No : 23EEKW93 [ISO 14001 : 2015]
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Continuation Sheet - Report No.: PIWMPL/LAB/JKCL-353/2025-26

15	Nitrate as NO ₃	mg/L	APHA 24 th Edition, 4500 NO ₃ -B : 2023	12.74	45	No Relaxation
16	Iron as Fe	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1	0.3	No Relaxation
17	Potassium as K	mg/L	APHA 24 th Edition, 3500 K B : 2023	3.45	-	-
18	Electrical Conductivity	μ mho/cm	APHA 24 th Edition, 2510 B : 2023	784.0	-	-
19	Zinc as Zn	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1	5	15
20	Chemical Oxygen Demand	mg/L	APHA 24 th Edition, 5220 B : 2023	<5.0	-	-
21	Bio Chemical Oxygen Demand 3 Days at 27 °C	mg/L	IS 3025 (Part 44) : 2019	<5.0	-	-
22	Total Coliform	per 100 ml	PIWMPL/LAB/STP/56, Issue No.-1, Issue Date: 01.04.2024	Not Detected	Shall not be detectable In Any 100 ml sample	
23	E.Coli	per 100 ml	PIWMPL/LAB/STP/56, Issue No.-1, Issue Date: 01.04.2024	Not Detected		
Note:	1. The above results relate only to conditions prevailing at the time of sampling. 2. < refers to "Less Than"					

*****End of the test report*****

Shraddha
Authorized Signatory-Biological
(Shraddha Mishra)



Authorized Signatory-Chemical
(S. Babyrani)

Page No. 2/2

PIWMPL/LAB/QR/00/21.07.2022

Pithampur Industrial Waste Management Private Limited
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TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD., (LABORATORY)	
Issued to: M/s. Kakra-Panna Limestone Mine (A Unit of JK Cement Ltd.)	Report No.: PIWMPL/LAB/JKCL-353-I/2025-26
Village- Harduwaken, Tehsil- Amanganj Dist. Panna, PIN- 489441 Madhya Pradesh	Issue Date of Test Report: 05/02/2026 Lab Ref. No: PIWMPL/LAB/4586/2025-26
Sampling Location: Ground Water (Kakra Mine) - Kakra Mine Borewell	Sampling Protocol: PIWMPL/LAB/SOP/02
Nature of Sample: Ground Water	Packing Type: Unsealed
Date & Time of Sampling: 14/01/2026 at 11:30 Hours	Date of Receipt: 16/01/2026
Start Date of Analysis: 16/01/2025	End Date of Analysis: 27/01/2026
Other Details :	
Ref1: Sample Quantity: 5 Litre (Poly bottle)	Ref2: Ambient Temperature: 23.5 °C
Ref3: Sample Collected by : RESL Lab Team	Ref4: Humidity: 56 %
Ref5: Sampling Protocol: PIWMPL/LAB/SOP/02	

TEST LIMITS AS PER IS 10500 : 2012

Table 1 - Physical & Chemical Parameters

S. No.	Parameters	Unit	Test Method	Sampling Location	Requirement (Acceptable Limits)	Permissible Limit in the Absence of Alternate Source
				Kakra Mine Borewell		
1	Odour	-	IS 3025 (Part 5) : 2018 Second Revision	Agreeable	Agreeable	Agreeable
2	Turbidity	NTU	APHA 24 th Edition, 2130 B : 2023	<1.0	1	5
3	Boron as B	mg/L	IS 3025 (Part 57) : 2021	<0.1	0.5	2.4
4	Hexavalent Chromium as Cr ⁶⁺	mg/L	APHA 24 th Edition, 3500 Cr B : 2023	<0.05	0.05	No Relaxation
5	Nickel as Ni	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.02	0.02	No Relaxation
6	Copper as Cu	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.05	0.05	1.5
7	Lead as Pb	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.01	0.01	No Relaxation
8	Cadmium as Cd	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.003	0.003	No Relaxation
9	Mercury as Hg	mg/L	APHA 24 th Edition, 3112 B : 2023	<0.001	0.001	No Relaxation
10	Phenolic Compound as C ₆ H ₅ OH	mg/L	APHA 24 th Edition, 5530 D : 2023	<0.001	0.001	0.002

Notes:
 1. The above results relate only to conditions prevailing at the time of sampling.
 2. < refers to "Less Than"

*****End of the test report*****



S. Babyrani
 Authorized Signatory-Chemical
 (S. Babyrani)





TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD., (LABORATORY)

Issued to: M/s. Kakra-Panna Limestone Mine (A Unit of JK Cement Ltd.)

Report No.: PIWMPL/LAB/JKCL-354/2025-26

Village- Harduwaken, Tehsil- Amanganj

Issue Date of Test Report: 05/02/2026

Dist. Panna, PIN- 488441

ULR No.: TC113592600000405F

Madhya Pradesh

Lab Ref. No: PIWMPL/LAB/4587/2025-26

Sampling Location: Ground Water (Kakra Mine) - Kakra Village (Hand Pump - 1)

Nature of Sample: Ground Water

Packing Type: Unsealed

Date & Time of Sampling: 14/01/2026 at 10:10 Hours

Date of Receipt: 16/01/2026

Start Date of Analysis: 16/01/2026

End Date of Analysis: 27/01/2026

Other Details :

Ref:1 Sample Quantity: 5 Litre (Poly bottle)

Ref:2 Ambient Temperature: 23.5 °C

Ref:3 Sample Collected by : RESL Lab Team

Ref:4 Humidity: 56 %

Ref:5 Sampling Protocol: PIWMPL/LAB/SOP/02

TEST LIMITS AS PER IS 10500 : 2012

Table 1 - Physical, Chemical & Microbiological Parameters

S. No.	Parameters	Unit	Test Method	Sampling Location	Requirement (Acceptable Limits)	Permissible Limit in the Absence of Alternate Source
				Kakra Village (Hand Pump 1)		
1	pH Value (at 25°C)	-	APHA 24 th Edition, 4500 H ⁺ B : 2023	7.71	6.5 to 8.5	No Relaxation
2	Colour	CU	APHA 24 th Edition, 2120 B : 2023 (Visual Comparison)	<1.0	5	15
3	Temperature	°C	APHA 24 th Edition, 2550 B	24	-	-
4	Total Hardness, as CaCO ₃	mg/L	APHA 24 th Edition, 2340 C : 2023	430.0	200	600
5	Calcium, as Ca	mg/L	APHA 24 th Edition, 3500 Ca B : 2023	68.14	75	200
6	Alkalinity as CaCO ₃	mg/L	APHA 24 th Edition, 2320 B : 2023	225.0	200	600
7	Sodium as Na	mg/L	APHA 24 th Edition, 3500 Na B : 2023	47.23	-	-
8	Chloride, as Cl ⁻	mg/L	APHA 24 th Edition, 4500 Cl B : 2023	168.78	250	1000
9	Residual free Chlorine	mg/L	APHA 24 th Edition, 4500 Cl B : 2023	<0.1	0.2	1
10	Phosphate	mg/L	APHA 24 th Edition, 4500 P D : 2023	<0.3	-	-
11	Magnesium as Mg	mg/L	APHA 24 th Edition, 3500 Mg B : 2023	63.18	30	100
12	Total Dissolved Solids	mg/L	APHA 24 th Edition, 2540 C : 2023	651.0	500	2000
13	Sulphate as SO ₄ ²⁻	mg/L	APHA 24 th Edition, 4500 SO ₄ ²⁻ D : 2023	63.45	200	400
14	Fluoride as F ⁻	mg/L	APHA 24 th Edition, 4500 F ⁻ D : 2023	0.46	1.0	1.5

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Authorized Signatory-Chemical
(S. Babynani)

Pithampur Industrial Waste Management Private Limited
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TC-11368



Sustainability

Continuation Sheet - Report No.: PIWMPL/LAB/JKCL-354/2025-26						
15	Nitrate as NO ₃	mg/L	APHA 24 th Edition, 4500 NO ₃ -B : 2023	25.12	45	No Relaxation
16	Iron as Fe	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1	0.3	No Relaxation
17	Potassium as K	mg/L	APHA 24 th Edition, 3500 K B : 2023	5.19	-	-
18	Electrical Conductivity	µ mho/cm	APHA 24 th Edition, 2510 B : 2023	1052	-	-
19	Zinc as Zn	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1	5	15
20	Chemical Oxygen Demand	mg/L	APHA 24 th Edition, 5220 B : 2023	<5.0	-	-
21	Bio Chemical Oxygen Demand 3 Days at 27 °C	mg/L	IS 3025 (Part 44) : 2019	<5.0	-	-
22	Total Coliform	per 100 ml	PIWMPL/LAB/STP/56, Issue No.-1, Issue Date: 01.04.2024	Not Detected	Shall not be detectable in Any 100 ml sample	
23	E.Coli	per 100 ml	PIWMPL/LAB/STP/56, Issue No.-1, Issue Date: 01.04.2024	Not Detected		
Note: 1. The above results relate only to conditions prevailing at the time of sampling. 2. < refers to "Less Than"						
*****End of the test report*****						
 Authorized Signatory-Biological (Shradha Mishra)					 Authorized Signatory-Chemical (S. Babyrani)	
Page No. 2/2				PIWMPL/LAB/QRF/00/21.07.2022		

Pithampur Industrial Waste Management Private Limited
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TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD., (LABORATORY)	
Issued to: M/s. Kakra-Panna Limestone Mine (A Unit of JK Cement Ltd.)	Report No.: PIWMPL/LAB/JKL-354-I/2025-26
Village- Harduaken, Tehsil- Amangan	Issue Date of Test Report: 05/02/2026
Dist. Panna, PIN- 488441	Lab Ref. No: PIWMPL/LAB/4587/2025-26
Madhya Pradesh	
Sampling Location: Ground Water (Kakra Mine) - Kakra Village (Hand Pump - 1)	
Nature of Sample: Ground Water	Packing Type: Unsealed
Date & Time of Sampling: 14/01/2026 at 10:10 Hours	Date of Receipt: 16/01/2026
Start Date of Analysis: 16/01/2026	End Date of Analysis: 27/01/2026
Other Details :	
Ref:1 Sample Quantity: 5 Litre (Poly bottle)	Ref:2 Ambient Temperature: 23.5 °C
Ref:3 Sample Collected by : RESL Lab Team	Ref:4 Humidity: 56 %
Ref:5 Sampling Protocol: PIWMPL/LAB/SOP/02	

TEST LIMITS AS PER IS 10500 : 2012

Table 1 - Physical & Chemical Parameters

S. No.	Parameters	Unit	Test Method	Sampling Location	Requirement (Acceptable Limits)	Permissible Limit In the Absence of Alternate Source
				Kakra Village (Hand Pump - 1)		
1	Odour	-	IS 3025 (Part 5) : 2018 Second Revision	Agreeable	Agreeable	Agreeable
2	Turbidity	NTU	APHA 24 th Edition, 2190 B : 2023	<1.0	1	5
3	Boron as B	mg/L	IS 3025 (Part 57) : 2021	<0.1	0.5	2.4
4	Hexavalent Chromium as Cr ⁶⁺	mg/L	APHA 24 th Edition, 3500 Cr B : 2023	<0.05	0.05	No Relaxation
5	Nickel as Ni	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.02	0.02	No Relaxation
6	Copper as Cu	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.05	0.05	1.5
7	Lead as Pb	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.01	0.01	No Relaxation
8	Cadmium as Cd	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.003	0.003	No Relaxation
9	Mercury as Hg	mg/L	APHA 24 th Edition, 3112 B : 2023	<0.001	0.001	No Relaxation
10	Phenolic Compound as C ₆ H ₅ OH	mg/L	APHA 24 th Edition, 5530 D : 2023	<0.001	0.001	0.002

Notes:
 1. The above results relate only to conditions prevailing at the time of sampling.
 2. < refers to "Less Than"

*****End of the test report*****



Authorized Signatory-Chemical
(S. Babynal)

Page No. 1/1

PIWMPL/LAB/QR/00/21.07.2022

Pithampur Industrial Waste Management Private Limited
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TC-11369

**TEST REPORT**

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD., (LABORATORY)

Issued to: M/s. Kakra-Panna Limestone Mine (A Unit of JK Cement Ltd.)

Report No.: PIWMPL/LAB/JKCL-352/2025-26

Village- Harduwalen, Tehsil- Amanganj

Issue Date of Test Report: 05/02/2026

Dist. Panna, PIN- 488441

ULR No.: TC113592600000403F

Madhya Pradesh

Lab Ref. No: PIWMPL/LAB/4584, 4585/2025-26

Sampling Location: Ground Water (Kakra Mine) - Hinauta Village & Purwa Village

Latitude- 22°37'56. N Longitude- 75°40'56 E

Nature of Sample: Ground Water

Packing Type: Unsealed

Date & Time of Sampling: 14/01/2026 at 11:00 Hours

Date of Receipt: 16/01/2026

Start Date of Analysis: 16/01/2026

End Date of Analysis: 27/01/2026

Other Details :

Ref:1 Sample Quantity: Each 5 Litres (Poly bottle)

Ref:2 Ambient Temperature: 23.5 °C

Ref:3 Sample Collected by : RESL Lab Team

Ref:4 Humidity: 56 %

Ref:5 Sampling Protocol: PIWMPL/LAB/SOP/02

TEST LIMITS AS PER IS 10500 : 2012

Table 1 - Physical, Chemical, & Microbiological Parameters

S. No.	Parameters	Unit	Test Method	Sampling Location		Requirement (Acceptable Limits)	Permissible Limit in the Absence of Alternate Source
				Hinauta Village	Purwa Village		
1	pH Value (at 25°C)	-	APHA 24 th Edition, 4500 H ⁺ B : 2023	7.43	7.56	6.5 to 8.5	No Relaxation
2	Colour	CU	APHA 24 th Edition, 2120 B : 2023 Visual Comparison	<1.0	<1.0	5	15
3	Temperature	°C	APHA 24 th Edition, 2550 B	26.0	25.0	-	-
4	Total Hardness, as CaCO ₃	mg/L	APHA 24 th Edition, 2340 C : 2023	375.0	335.0	200	600
5	Calcium, as Ca	mg/L	APHA 24 th Edition, 3500 Ca B : 2023	66.13	58.12	75	200
6	Alkalinity as CaCO ₃	mg/L	APHA 24 th Edition, 2320 B : 2023	170.0	150.0	200	600
7	Sodium as Na	mg/L	APHA 24 th Edition, 3500 Na B : 2023	37.50	31.67	-	-
8	Chloride, as Cl ⁻	mg/L	APHA 24 th Edition, 4500 Cl ⁻ B : 2023	147.99	124.75	250	1000
9	Residual free Chlorine	mg/L	APHA 24 th Edition, 4500 Cl B : 2023	<0.1	<0.1	0.2	1
10	Phosphate	mg/L	APHA 24 th Edition, 4500 P D : 2023	<0.3	<0.3	-	-
11	Magnesium as Mg	mg/L	APHA 24 th Edition, 3500 Mg B : 2023	51.03	46.17	30	100
12	Total Dissolved Solids	mg/L	APHA 24 th Edition, 2540 C : 2023	539.0	474.0	500	2000
13	Sulphate as SO ₄ ²⁻	mg/L	APHA 24 th Edition, 4500 SO ₄ ²⁻ D : 2023	53.44	60.75	200	400
14	Fluoride as F ⁻	mg/L	APHA 24 th Edition, 4500 F D : 2023	0.38	0.47	1.0	1.5

Page No. 1/2

Authorized Signatory-Chemical
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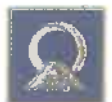
Site Address:

Plot No 104, Industrial Area, Sector-II,
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TC-11368



Sustainability

Continuation Sheet -Report No : PIWMPL/LAB/JKCL-352/2025-26

15	Nitrate as NO ₃	mg/L	APHA 24 th Edition, 4500 NO ₃ B : 2023	16.23	13.85	45	No Relaxation
16	Iron as Fe	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1	<0.1	0.3	No Relaxation
17	Potassium as K	mg/L	APHA 24 th Edition, 3500 K B : 2023	3.91	3.14	-	-
18	Electrical Conductivity	µ mho/cm	APHA 24 th Edition, 2510 B : 2023	873	769	-	-
19	Zinc as Zn	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1	<0.1	5	15
20	Chemical Oxygen Demand	mg/L	APHA 24 th Edition, 5220 B : 2023	<5.0	<5.0	-	-
21	Bio Chemical Oxygen Demand 3 Days at 27 °C	mg/L	IS 3025 (Part 44) : 2019	<5.0	<5.0	-	-
22	Total Coliform	per 100 ml	PIWMPL/LAB/STP/55, Issue No.-1, Issue Date: 01.04.2024	Not Detected	Not Detected	Shall not be detectable In Any 100 ml sample	
23	E.Coli	per 100 ml	PIWMPL/LAB/STP/56, Issue No.-1, Issue Date: 01.04.2024	Not Detected	Not Detected		

Note: 1. The above results relate only to conditions prevailing at the time of sampling.
2. < refers to "Less Than"

*****End of the test report*****

Shreddha Mishra
Authorized Signatory-Biological
(Shreddha Mishra)



S. Babyrani
Authorized Signatory-Chemical
(S. Babyrani)

Page No. 2/2

PIWMPL/LAB/QRF/00/21.07.2022

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CIN No. U9D000TG2010PTC071919

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Pithampur, District Dhar - 454 775,
Madhya Pradesh,
India.

Certificate REG No : 23EQKR96 (ISO 9001 : 2015)
Certificate REG No : 23EEKW93 (ISO 14001 : 2015)
Certificate REG No : 23EOKB99 (ISO 45001 : 2018)

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TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD., (LABORATORY)			
Issued to: M/s. Kakra-Panna Limestone Mine (A Unit of JK Cement Ltd.)		Report No.: PIWMPL/LAB/IKCL-352-/2025-26	
Village- Harduwaken, Tehsil- Amangan		Issue Date of Test Report: 05/02/2026	
Dist. Panna, PIN- 489441		Lab Ref. No: PIWMPL/LAB/4584, 4585/2025-26	
Madhya Pradesh			
Sampling Location: Ground Water (Kakra Mine) - Hinauta Village & Purwa Village		Latitude- 22°37'56. N Longitude- 75°40'56 E	
Nature of Sample: Ground Water		Packing Type: Unsealed	
Date & Time of Sampling: 14/01/2026 at 11:00 Hours		Date of Receipt: 16/01/2026	
Start Date of Analysis: 16/01/2026		End Date of Analysis: 27/01/2026	
Other Details :			
Ref:1	Sample Quantity: Each 5 Litres (Poly bottle)	Ref:2	Ambient Temperature: 23.5 °C
Ref:3	Sample Collected by : RESL Lab Team	Ref:4	Humidity: 56 %
Ref:5	Sampling Protocol: PIWMPL/LAB/SOP/02		

TEST LIMITS AS PER IS 10500 : 2012

Table 1 - Physical & Chemical Parameters

S. No.	Parameters	Unit	Test Method	Sampling Location		Requirement (Acceptable Limits)	Permissible Limit in the Absence of Alternate Source
				Hinauta Village	Purwa Village		
1	Odour	-	IS 3025 (Part 5) : 2018 Second Revision	Agreeable	Agreeable	Agreeable	Agreeable
2	Turbidity	NTU	APHA 24 th Edition, 2130 B : 2023	<1.0	<1.0	1	5
3	Boron as B	mg/L	IS 3025 (Part 57) : 2021	<0.1	<0.1	0.5	2.4
4	Hexavalent Chromium as Cr ⁶⁺	mg/L	APHA 24 th Edition, 3500 Cr B : 2023	<0.05	<0.05	0.05	No Relaxation
5	Nickel as Ni	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.02	<0.02	0.02	No Relaxation
6	Copper as Cu	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.05	<0.05	0.05	1.5
7	Lead as Pb	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.01	<0.01	0.01	No Relaxation
8	Cadmium as Cd	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.003	<0.003	0.003	No Relaxation
9	Mercury as Hg	mg/L	APHA 24 th Edition, 3112 B : 2023	<0.001	<0.001	0.001	No Relaxation
10	Phenolic Compound as C ₆ H ₅ OH	mg/L	APHA 24 th Edition, 5530 D : 2023	<0.001	<0.001	0.001	0.002

Note:
 1. The above results relate only to conditions prevailing at the time of sampling.
 2. < refers to "Less Than" & DL refers to "Less Than"

*****End of the test report*****



S. Babyranj
 Authorized Signatory-Chemical
 (S. Babyranj)





TC-11388

**TEST REPORT**

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD., (LABORATORY)

Issued to: M/s. Kalra-Panna Limestone Mine (A Unit of JK Cement Ltd.)

Report No.: PIWMPL/LAB/JKCL-351/2025-26

Village- Harduwaken, Tehsil- Amanganj

Issue Date of Test Report: 05/02/2026

Dist. Panna, PIN- 488441

ULR No.: TC113592600000402F

Madhya Pradesh

Lab Ref. No: PIWMPL/LAB/4582, 4583/2025-26

Sampling Location: Ground Water (Kalra Mine) - Amanganj & Bhupatpura Village

Nature of Sample: Ground Water

Packing Type: Unsealed

Date & Time of Sampling: 14/01/2026 at 11:00 Hours

Date of Receipt: 16/01/2026

Start Date of Analysis: 16/01/2026

End Date of Analysis: 27/01/2026

Other Details :

Ref:1 Sample Quantity: Each 5 Litres (Poly bottle)

Ref:2 Ambient Temperature: 23.5 °C

Ref:3 Sample Collected by : RESL Lab Team

Ref:4 Humidity: 56 %

Ref:5 Sampling Protocol: PIWMPL/LAB/SOP/02

TEST LIMITS AS PER IS 10500 :2012

Table 1 - Physical, Chemical & Microbiological Parameters

S. No.	Parameters	Unit	Test Method	Sampling Location		Requirement (Acceptable Limits)	Permissible Limit in the Absence of Alternate Source
				Amanganj Village	Bhupatpura Village		
1	pH Value (at 25°C)	-	APHA 24 th Edition, 4500 H ⁺ B : 2023	7.39	7.64	6.5 to 8.5	No Relaxation
2	Colour	CU	APHA 24 th Edition, 2120 B : 2023 (Visual Comparison)	<1.0	<1.0	5	15
3	Temperature	°C	APHA 24 th Edition, 2550 B	25.0	24.0	-	-
4	Total Hardness, as CaCO ₃	mg/L	APHA 24 th Edition, 2340 C : 2023	390.0	520.0	200	600
5	Calcium, as Ca	mg/L	APHA 24 th Edition, 3500 Ca B : 2023	70.14	76.15	75	200
6	Alkalinity as CaCO ₃	mg/L	APHA 24 th Edition, 2320 B : 2023	160.0	220.0	200	600
7	Sodium as Na	mg/L	APHA 24 th Edition, 3500 Na B : 2023	56.93	50.20	-	-
8	Chloride, as Cl ⁻	mg/L	APHA 24 th Edition, 4500 Cl ⁻ B : 2023	198.13	205.47	250	1000
9	Residual free Chlorine	mg/L	APHA 24 th Edition, 4500 Cl ⁻ B : 2023	<0.1	<0.1	0.2	1
10	Phosphate	mg/L	APHA 24 th Edition, 4500 P D : 2023	<0.3	<0.3	-	-
11	Magnesium as Mg	mg/L	APHA 24 th Edition, 3500 Mg B : 2023	52.25	30.38	30	100
12	Total Dissolved Solids	mg/L	APHA 24 th Edition, 2540 C : 2023	597.0	729.0	500	2000
13	Sulphate as SO ₄ ²⁻	mg/L	APHA 24 th Edition, 4500 SO ₄ ²⁻ D : 2023	49.34	74.16	200	400
14	Fluoride as F ⁻	mg/L	APHA 24 th Edition, 4500 F D : 2023	0.45	0.39	1.0	1.5

Page No. 1/2

Authorized Signatory-Chemical
(S. Babbar)Pithampur Industrial Waste Management Private Limited
(A Subsidiary of Re Sustainability Limited)

CIN No. U90000TG2010PTC071919

Registered Office:

Level 11B, Aurobindo Galaxy,
Hyderabad Knowledge City,
HITECH City Road, Hyderabad-500 081,
India.

Site Address:

Plot No 104, Industrial Area, Sector-II,
Pithampur, District Dhar - 454 775,
Madhya Pradesh,
India.Certificate REG No : 23EQKR96 (ISO 9001 : 2015)
Certificate REG No : 23EEKW93 (ISO 14001 : 2015)
Certificate REG No : 23EOKB89 (ISO 45001 : 2018)

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TC-11368



Continuation Sheet - PIWMPL/LAB/JKCL-351/2025-26

15	Nitrate as NO ₃	mg/L	APHA 24 th Edition, 4500 NO ₃ B : 2023	14.85	31.36	45	No Relaxation
16	Iron as Fe	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1	<0.1	0.3	No Relaxation
17	Potassium as K	mg/L	APHA 24 th Edition, 3500 K B : 2023	6.04	7.48	-	-
18	Electrical Conductivity	μ mho/cm	APHA 24 th Edition, 2510 B : 2023	976	1186	-	-
19	Zinc as Zn	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1	<0.1	5	15
20	Chemical Oxygen Demand	mg/L	APHA 24 th Edition, 5220 B : 2023	<5.0	<5.0	-	-
21	Bio Chemical Oxygen Demand 3 Days at 27 °C	mg/L	IS 3025 (Part 44) : 2019	<5.0	<5.0	-	-
22	Total Coliform	per 100 ml	PIWMPL/LAB/STP/56, Issue No.-1, Issue Date: 01.04.2024	Not Detected	Not Detected	Shall not be detectable in Any 100 ml sample	
23	E.Coli	per 100 ml	PIWMPL/LAB/STP/56, Issue No.-1, Issue Date: 01.04.2024	Not Detected	Not Detected		

Note: 1. The above results relate only to conditions prevailing at the time of sampling.
2. < refers to "Less Than"

*****End of the test report*****

Shraddha
Authorized Signatory-Biological
(Shraddha Mishra)



Babyrani
Authorized Signatory-Chemical
(S. Babyrani)

Page No. 2/2

PIWMPL/LAB/QR/00/21.07.2022

Pithampur Industrial Waste Management Private Limited
(A Subsidiary of Re Sustainability Limited)

CIN No. U90000TG2010PTC071919

Registered Office:

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Certificate REG No : 23EQKR96 (ISO 9001 : 2015)
Certificate REG No : 23EEKW93 (ISO 14001 : 2015)
Certificate REG No : 23EOKE99 (ISO 45001 : 2018)

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TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD., (LABORATORY)

Issued to: M/s. Kakra-Panna Limestone Mine (A Unit of JK Cement Ltd.)

Report No.: PIWMPL/LAB/IKCL-351-I/2025-26

Village- Herduwakan, Tehsil- Amanganj

Issue Date of Test Report: 05/02/2026

Dist. Panna, PIN- 488441

Lab Ref. No: PIWMPL/LAB/4582, 4583/2025-26

Madhya Pradesh

Sampling Location: Ground Water (Kakra Mine) - Amanganj & Bhupatpura Village

Nature of Sample: Ground Water

Packing Type: Unsealed

Date & Time of Sampling: 14/01/2026 at 11:00 Hours

Date of Receipt: 16/01/2026

Start Date of Analysis: 16/01/2026

End Date of Analysis: 27/01/2026

Other Details :

Ref:1 Sample Quantity: Each 5 Litres (Poly bottle)

Ref:2 Ambient Temperature: 23.5 °C

Ref:3 Sample Collected by : RESL Lab Team

Ref:4 Humidity: 56 %

Ref:5 Sampling Protocol: PIWMPL/LAB/SOP/02

TEST LIMITS AS PER IS 10500 : 2012

Table 1 - Physical & Chemical Parameters

S. No.	Parameters	Unit	Test Method	Sampling Location		Requirement (Acceptable Limits)	Permissible Limit in the Absence of Alternate Source
				Amanganj Village	Bhupatpura Village		
1	Odour	-	IS 3025 (Part 5) : 2018 Second Revision	Agreeable	Agreeable	Agreeable	Agreeable
2	Turbidity	NTU	APHA 24 th Edition, 2130 B : 2023	<1.0	<1.0	1	5
3	Boron as B	mg/L	IS 3025 (Part 57) : 2021	<0.1	<0.1	0.5	2.4
4	Hexavalent Chromium as Cr ⁶⁺	mg/L	APHA 24 th Edition, 3500 Cr B : 2023	<0.05	<0.05	0.05	No Relaxation
5	Nickel as Ni	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.02	<0.02	0.02	No Relaxation
6	Copper as Cu	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.05	<0.05	0.05	1.5
7	Lead as Pb	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.01	<0.01	0.01	No Relaxation
8	Cadmium as Cd	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.003	<0.003	0.003	No Relaxation
9	Mercury as Hg	mg/L	APHA 24 th Edition, 3112 B : 2023	<0.001	<0.001	0.001	No Relaxation
10	Phenolic Compound as C ₆ H ₅ OH	mg/L	APHA 24 th Edition, 5530 D : 2023	<0.001	<0.001	0.001	0.002

Note: 1. The above results relate only to conditions prevailing at the time of sampling.
2. < refers to "Less Than"

*****End of the test report*****



Authorized Signatory-Chemical
(S. Babyrani)

Page No. 1/1

PIWMPL/LAB/QRF/00/21.07.2022

Pithampur Industrial Waste Management Private Limited
(A Subsidiary of Re Sustainability Limited)

CIN No. U90000TG2010PTC071919

Registered Office:

Level 11B, Aurobindo Galaxy,
Hyderabad Knowledge City,
HITECH City Road, Hyderabad-500 081,
India.

Site Address:

Plot No 104, Industrial Area, Sector-II,
Pithampur, District Dhar - 454 775,
Madhya Pradesh,
India.

Certificate REG No : 23EQKR96 (ISO 9001 : 2015)
Certificate REG No : 23EEKW93 (ISO 14001 : 2015)
Certificate REG No : 23EOKE98 (ISO 45001 : 2018)

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TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD., (LABORATORY)

Issued to: M/s. Kakra-Panna Limestone Mine (A Unit of JK Cement Ltd.)

Report No.: PIWMPL/LAB/JKCL-356/2025-26

Village- Harduwakan, Tehsil- Amanganj

Issue Date of Test Report: 05/02/2026

Dist. Panna, PIN- 488441

ULR No.: TC113592600000407F

Madhya Pradesh

Lab Ref. No: PIWMPL/LAB/4644, 4645/2025-26

Sampling Location: Ground Water (Kakra Mine) - Septai Village & Kamtana Village

Nature of Sample: Ground Water

Packing Type: Unsealed

Date & Time of Sampling: 15/01/2026 at 10:30 Hours

Date of Receipt: 17/01/2026

Start Date of Analysis: 17/01/2026

End Date of Analysis: 28/01/2026

Other Details :

Ref:1 Sample Quantity: Each 5 Litre (Poly bottle)

Ref:2 Ambient Temperature: 23.5 °C

Ref:3 Sample Collected by : RESL Lab Team

Ref:4 Humidity: 56 %

Ref:5 Sampling Protocol: PIWMPL/LAB/SOP/02

TEST LIMITS AS PER IS 10500 : 2012

Table 1 - Physical, Chemical & Microbiological Parameters

S. No.	Parameters	Unit	Test Method	Sampling Location		Requirement (Acceptable Limits)	Permissible Limit in the Absence of Alternate Source
				Septai Village	Kamtana Village		
1	pH Value (at 25°C)	-	APHA 24 th Edition, 4500 H ^o B : 2023	7.48	7.72	6.5 to 8.5	No Relaxation
2	Colour	CU	APHA 24 th Edition, 2120 B : 2023 (Visual Comparison)	<1.0	<1.0	5	15
3	Temperature	°C	APHA 24 th Edition, 2550 B	25.0	24.0	-	-
4	Total Hardness, as CaCO ₃	mg/L	APHA 24 th Edition, 2340 C : 2023	430.0	380.0	200	600
5	Calcium, as Ca	mg/L	APHA 24 th Edition, 3500 Ca B : 2023	70.14	66.13	75	200
6	Alkalinity as CaCO ₃	mg/L	APHA 24 th Edition, 2320 B : 2023	230.0	185.0	200	600
7	Sodium as Na	mg/L	APHA 24 th Edition, 3500 Na B : 2023	42.19	33.85	-	-
8	Chloride, as Cl ⁻	mg/L	APHA 24 th Edition, 4500 Cl ⁻ B : 2023	128.42	127.19	250	1000
9	Residual free Chlorine	mg/L	APHA 24 th Edition, 4500 Cl ⁻ B : 2023	<0.1	<0.1	0.2	1
10	Phosphate	mg/L	APHA 24 th Edition, 4500 P D : 2023	<0.3	<0.3	-	-
11	Magnesium as Mg	mg/L	APHA 24 th Edition, 3500 Mg B : 2023	61.97	52.25	30	100
12	Total Dissolved Solids	mg/L	APHA 24 th Edition, 2540 C : 2023	558.0	498.0	500	2000
13	Sulphate as SO ₄ ²⁻	mg/L	APHA 24 th Edition, 4500 SO ₄ ²⁻ D : 2023	45.19	44.12	200	400
14	Fluoride as F ⁻	mg/L	APHA 24 th Edition, 4500 F D : 2023	0.36	0.41	1.0	1.5

Page No. 1/2



Authorized Signatory-Chemical
(S. Babbarani)

Pithampur Industrial Waste Management Private Limited
(A Subsidiary of Re Sustainability Limited)

CIN No. U90000TG2010PTC071919

Registered Office:

Level 11B, Aurobindo Galaxy,
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India.

Site Address:

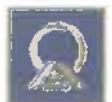
Plot No 104, Industrial Area, Sector-II,
Pithampur, District Dhar - 454 775,
Madhya Pradesh,
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Certificate REG No : 23EQKR96 (ISO 9001 : 2015)
Certificate REG No : 23EEKW95 (ISO 14001 : 2015)
Certificate REG No : 23EQKE89 (ISO 45001 : 2018)




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Continuation Sheet - Report No.: PIWMPL/LAB/IKCL-356/2025-26							
15	Nitrate as NO ₃	mg/L	APHA 24 th Edition, 4500 NO ₃ ⁻ B : 2023	10.56	9.67	45	No Relaxation
16	Iron as Fe	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1	<0.1	0.3	No Relaxation
17	Potassium as K	mg/L	APHA 24 th Edition, 3500 K B : 2023	5.16	4.08	-	-
18	Electrical Conductivity	µ mho/cm	APHA 24 th Edition, 2510 B : 2023	891	809	-	-
19	Zinc as Zn	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1	<0.1	5	15
20	Chemical Oxygen Demand	mg/L	APHA 24 th Edition, 5220 B : 2023	<5.0	<5.0	-	-
21	Bio Chemical Oxygen Demand 3 Days at 27 °C	mg/L	IS 3025 (Part 44) : 2019	<5.0	<5.0	-	-
22	Total Coliform	per 100 ml	PIWMPL/LAB/STP/56, Issue No.-1, Issue Date: 01.04.2024	Not Detected	Not Detected	Shall not be detectable in Any 100 ml sample	
23	E.Coli	per 100 ml	PIWMPL/LAB/STP/56, Issue No.-1, Issue Date: 01.04.2024	Not Detected	Not Detected		
Note: 1. The above results relate only to conditions prevailing at the time of sampling. 2. < refers to "Less Than"							
*****End of the test report*****							
 Authorized Signatory-Biological (Shradha Mishra)						 Authorized Signatory-Chemical (S. Babyani)	
Page No. 2/2				PIWMPL/LAB/QRF/00/21.07.2022			

Pithampur Industrial Waste Management Private Limited
 [A Subsidiary of Re Sustainability Limited]

CIN No. U90000TG2010PTC071919

Registered Office:

Level 11B, Aurobindo Galaxy,
 Hyderabad Knowledge City,
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Site Address:

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 India.

Certificate REG No : 23EQKR96 (ISO 9001 : 2015)
 Certificate REG No : 23EEKW93 (ISO 14001 : 2015)
 Certificate REG No : 23EOKE89 (ISO 45001 : 2018)

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TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD., (LABORATORY)

Issued to: M/s. Kakra-Panna Limestone Mine (A Unit of JK Cement Ltd.)

Report No.: PIWMPL/LAB/JKCL-356-I/2025-26

Village- Harduwaken, Tehsil- Amanganj

Issue Date of Test Report: 05/02/2026

Dist. Panna, PIN- 488441

Lab Ref. No: PIWMPL/LAB/4644, 4645/2025-26

Madhya Pradesh

Sampling Location: Ground Water (Kakra Mine) - Septal Village & Kamtana Village

Nature of Sample: Ground Water

Packing Type: Unsealed

Date & Time of Sampling: 15/01/2026 at 10:30 Hours

Date of Receipt: 17/01/2026

Start Date of Analysis: 17/01/2026

End Date of Analysis: 28/01/2026

Other Details :

Ref:1 Sample Quantity: Each 5 Litre (Poly bottle)

Ref:2 Ambient Temperature: 23.5 °C

Ref:3 Sample Collected by : RESL Lab Team

Ref:4 Humidity: 56 %

Ref:5 Sampling Protocol: PIWMPL/LAB/SOP/02

TEST LIMITS AS PER IS 10500 : 2012

Table 1 - Physical & Chemical Parameters

S. No.	Parameters	Unit	Test Method	Sampling Location		Requirement (Acceptable Limits)	Permissible Limit in the Absence of Alternate Source
				Septal Village	Kamtana Village		
1	Odour	-	IS 3025 (Part 5) : 2018 Second Revision	Agreeable	Agreeable	Agreeable	Agreeable
2	Turbidity	NTU	APHA 24 th Edition, 2130 B : 2023	<1.0	<1.0	1	5
3	Boron as B	mg/L	IS 3025 (Part 57) : 2021	<0.1	<0.1	0.5	2.4
4	Hexavalent Chromium as Cr ⁺⁶	mg/L	APHA 24 th Edition, 3500 Cr B : 2023	<0.05	<0.05	0.05	No Relaxation
5	Nickel as Ni	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.02	<0.02	0.02	No Relaxation
6	Copper as Cu	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.05	<0.05	0.05	1.5
7	Lead as Pb	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.01	<0.01	0.01	No Relaxation
8	Cadmium as Cd	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.003	<0.003	0.003	No Relaxation
9	Mercury as Hg	mg/L	APHA 24 th Edition, 3112 B : 2023	<0.001	<0.001	0.001	No Relaxation
10	Phenolic Compound as C ₆ H ₅ OH	mg/L	APHA 24 th Edition, 5530 D : 2023	<0.001	<0.001	0.001	0.002

Note: 1. The above results relate only to conditions prevailing at the time of sampling.

2. < refers to "Less Than"

*****End of the test report*****



S. Babbarani
Authorized Signatory-Chemical
(S. Babbarani)





TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT. LTD., (LABORATORY)

Issued to: M/s. Kakre -Penna Limestone Mine (A Unit of JK Cement Ltd.)

Report No.: PIWMPL/LAB/JKCL-355/2025-26

Village- Harduaken, Tehsil- Amanganj

Issue Date of Test Report: 05/02/2026

Dist. Panna, PIN- 488441

ULN No.: TC113592600000406F

Madhya Pradesh

Lab Ref. No: PIWMPL/LAB/3588, 4643/2025-26

Sampling Location: Ground Water (Kakra Mine) - Puralna Village & Pagra Village

Nature of Sample: Ground Water

Packing Type: Unsealed

Date & Time of Sampling: 14/01/2026 at 10:10 Hours

Date of Receipt: 16/01/2026

Start Date of Analysis: 16/01/2026

End Date of Analysis: 27/01/2026

Other Details :

Ref:1 Sample Quantity: Each 5 Litre (Poly bottle)

Ref:2 Ambient Temperature: 23.5 °C

Ref:3 Sample Collected by : RESL Lab Team

Ref:4 Humidity: 56 %

Ref:5 Sampling Protocol: PIWMPL/LAB/SOP/02

TEST LIMITS AS PER IS 10500 : 2012

Table 1 - Physical, Chemical & Microbiological Parameters

S. No.	Parameters	Unit	Test Method	Sampling Location		Requirement (Acceptable Limits)	Permissible Limit in the Absence of Alternate Source
				Puralna Village	Pagra Village		
1	pH Value (at 25°C)	-	APHA 24 th Edition, 4500 H ⁺ B : 2023	7.62	7.94	6.5 to 8.5	No Relaxation
2	Colour	CU	APHA 24 th Edition, 2120 B : 2023 (Visual Comparison)	<1.0	<1.0	5	15
3	Temperature	°C	APHA 24 th Edition, 2550 B	24.0	25.0	-	-
4	Total Hardness, as CaCO ₃	mg/L	APHA 24 th Edition, 2340 C : 2023	470.0	525.0	200	600
5	Calcium, as Ca	mg/L	APHA 24 th Edition, 3500 Ca B : 2023	76.15	84.17	75	200
6	Alkalinity as CaCO ₃	mg/L	APHA 24 th Edition, 2320 B : 2023	215.0	320.0	200	600
7	Sodium as Na	mg/L	APHA 24 th Edition, 3500 Na B : 2023	42.19	58.35	-	-
8	Chloride, as Cl ⁻	mg/L	APHA 24 th Edition, 4500 Cl ⁻ B : 2023	165.11	184.68	250	1000
9	Residual free Chlorine	mg/L	APHA 24 th Edition, 4500 Cl ⁻ B : 2023	<0.1	<0.1	0.2	1
10	Phosphate	mg/L	APHA 24 th Edition, 4500 P D : 2023	<0.3	<0.3	-	-
11	Magnesium as Mg	mg/L	APHA 24 th Edition, 3500 Mg B : 2023	68.04	76.55	30	100
12	Total Dissolved Solids	mg/L	APHA 24 th Edition, 2540 C : 2023	622.0	793.0	500	2000
13	Sulphate as SO ₄ ²⁻	mg/L	APHA 24 th Edition, 4500 SO ₄ ²⁻ D : 2023	55.52	64.56	200	400
14	Fluoride as F ⁻	mg/L	APHA 24 th Edition, 4500 F D : 2023	0.33	0.42	1.0	1.5

Page No. 1/2



Authorized Signatory-Chemical
(S. Babbarani)

Pithampur Industrial Waste Management Private Limited
(A Subsidiary of Re Sustainability Limited)

CIN No. U90000TG2010PTC071919

Registered Office:

Level 11B, Aurobindo Galaxy,
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HITECH City Road, Hyderabad-500 081,
India.

Site Address:

Plot No 104, Industrial Area, Sector-II,
Pithampur, District Dhar - 454 775,
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Certificate REG No : 23EQKR96 [ISO 9001 : 2015]
Certificate REG No : 23EEKW93 [ISO 14001 : 2015]
Certificate REG No : 23EOKE89 [ISO 45001 : 2018]

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Continuation Sheet - Report No.: PIWMPL/LAB/IKCL-355/2025-26							
15	Nitrate as NO ₃	mg/L	APHA 24 th Edition, 4500 NO ₃ -B : 2023	15.04	19.45	45	No Relaxation
16	Iron as Fe	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1	<0.1	0.3	No Relaxation
17	Potassium as K	mg/L	APHA 24 th Edition, 3500 K B : 2023	4.96	7.92	-	-
18	Electrical Conductivity	µ mho/cm	APHA 24 th Edition, 2510 B : 2023	1005	1256	-	-
19	Zinc as Zn	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1	<0.1	5	15
20	Chemical Oxygen Demand	mg/L	APHA 24 th Edition, 5220 B : 2023	<5.0	<5.0	-	-
21	Bio Chemical Oxygen Demand 3 Days at 27 °C	mg/L	IS 3025 (Part 44) : 2019	<5.0	<5.0	-	-
22	Total Coliform	per 100 ml	PIWMPL/LAB/STP/56, Issue No.-1, Issue Date: 01.04.2024	Not Detected	Not Detected	Shall not be detectable in Any 100 ml sample	
23	E.Coli	per 100 ml	PIWMPL/LAB/STP/56, Issue No.-1, Issue Date: 01.04.2024	Not Detected	Not Detected		
Note: 1. The above results relate only to conditions prevailing at the time of sampling. 2. < refers to "Less Than"							
*****End of the test report*****							
Authorized Signatory-Biological (Shradha Mishra)						Authorized Signatory-Chemical (S. Babyrani)	
Page No. 2/2				PIWMPL/LAB/QRF/00/21.07.2022			

Pithampur Industrial Waste Management Private Limited
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 Certificate REG No : 23EOKE99 (ISO 45001 : 2018)

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TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD., (LABORATORY)

Issued to: M/s. Kakra -Panna Limestone Mine (A Unit of JK Cement Ltd.)

Report No.: PIWMPL/LAB/JKCL-355-1/2025-26

Village- Harduwaken, Tehsil- Amanganj

Issue Date of Test Report: 05/02/2026

Dist. Panna, PIN- 488441

Lab Ref. No: PIWMPL/LAB/3588, 4643/2025-26

Madhya Pradesh

Sampling Location: Ground Water (Kakra Mine) - Puraina Village & Pagra Village

Nature of Sample: Ground Water

Packing Type: Unsealed

Date & Time of Sampling: 14/01/2026 at 10:10 Hours

Date of Receipt: 16/01/2026

Start Date of Analysis: 16/01/2026

End Date of Analysis: 27/01/2026

Other Details :

Ref:1 Sample Quantity: Each 5 Litre (Poly bottle)

Ref:2 Ambient Temperature: 23.5 °C

Ref:3 Sample Collected by: RESL Lab Team

Ref:4 Humidity: 56 %

Ref:5 Sampling Protocol: PIWMPL/LAB/SOP/02

TEST LIMITS AS PER IS 10500 : 2012

Table 1 - Physical & Chemical Parameters

S. No.	Parameters	Unit	Test Method	Sampling Location		Requirement (Acceptable Limits)	Permissible Limit in the Absence of Alternate Source
				Puraina Village	Pagra Village		
1	Odour	-	IS 3025 (Part 5) : 2018 Second Revision	Agreeable	Agreeable	Agreeable	Agreeable
2	Turbidity	NTU	APHA 24 th Edition, 2130 B : 2023	<1.0	<1.0	1	5
3	Boron as B	mg/L	IS 3025 (Part 57) : 2021	<0.1	<0.1	0.5	2.4
4	Hexavalent Chromium as Cr ⁺⁶	mg/L	APHA 24 th Edition, 3500 Cr B : 2023	<0.05	<0.05	0.05	No Relaxation
5	Nickel as Ni	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.02	<0.02	0.02	No Relaxation
6	Copper as Cu	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.05	<0.05	0.05	1.5
7	Lead as Pb	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.01	<0.01	0.01	No Relaxation
8	Cadmium as Cd	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.003	<0.003	0.003	No Relaxation
9	Mercury as Hg	mg/L	APHA 24 th Edition, 3112 B : 2023	<0.001	<0.001	0.001	No Relaxation
10	Phenolic Compound as C ₆ H ₅ OH	mg/L	APHA 24 th Edition, 5530 D : 2023	<0.001	<0.001	0.001	0.002

Note: 1. The above results relate only to conditions prevailing at the time of sampling.
2. < refers to "Less Than"

*****End of the test report*****



Authorized Signatory-Chemical
(S. Babbar)

Page No. 1/1

PIWMPL/LAB/QRF/00/21.07.2022

Pithampur Industrial Waste Management Private Limited
[A Subsidiary of Re Sustainability Limited]

CIN No. U90000TG2010PTC071919

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Certificate REG No : 23EEKW93 (ISO 14001 : 2015)
Certificate REG No : 23EOKE89 (ISO 45001 : 2018)

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TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD., (LABORATORY)

Issued to: M/s. Kakra-Panna Limestone Mine (A Unit of JK Cement Ltd.)

Report No.: PIWMP/LAB/JKCL-357/2025-26

Village- Harduwaken, Tehsil- Arnanganj

Issue Date of Test Report: 05/02/2026

Dist. Panna, PIN- 488441

ULR No.: TC113592600000408F

Madhya Pradesh

Lab Ref. No: PIWMP/LAB/4646, 4647/2025-26

Sampling Location: Ground Water (Kakra Mine) - Udla Village & Sotipura Village

Nature of Sample: Ground Water

Packing Type: Unsealed

Date & Time of Sampling: 15/01/2026 at 10:40 Hours

Date of Receipt: 17/01/2026

Start Date of Analysis: 17/01/2026

End Date of Analysis: 28/01/2026

Other Details :

Ref:1 Sample Quantity: Each 5 Litre (Poly bottle)

Ref:2 Ambient Temperature: 23.5 °C

Ref:3 Sample Collected by : RESL Lab Team

Ref:4 Humidity: 56 %

Ref:5 Sampling Protocol: PIWMP/LAB/SOP/02

TEST LIMITS AS PER IS 10500 : 2012

Table 1 - Physical, Chemical & Microbiological Parameters

S. No.	Parameters	Unit	Test Method	Sampling Location		Requirement (Acceptable Limits)	Permissible Limit in the Absence of Alternate Source
				Udla Village	Sotipura Village		
1	pH Value (at 25°C)	-	APHA 24 th Edition, 4500 H ⁺ B : 2023	7.25	7.68	6.5 to 8.5	No Relaxation
2	Colour	CU	APHA 24 th Edition, 2120 B : 2023 (Visual Comparison)	<1.0	<1.0	5	15
3	Temperature	°C	APHA 24 th Edition, 2550 B	24.0	25.0	-	-
4	Total Hardness, as CaCO ₃	mg/L	APHA 24 th Edition, 2340 C : 2023	335.0	380.0	200	600
5	Calcium, as Ca	mg/L	APHA 24 th Edition, 3500 Ca B : 2023	56.11	58.14	75	200
6	Alkalinity as CaCO ₃	mg/L	APHA 24 th Edition, 2320 B : 2023	160.0	200.0	200	600
7	Sodium as Na	mg/L	APHA 24 th Edition, 3500 Na B : 2023	31.45	40.23	-	-
8	Chloride, as Cl ⁻	mg/L	APHA 24 th Edition, 4500 Cl ⁻ B : 2023	141.87	130.65	250	1000
9	Residual free Chlorine	mg/L	APHA 24 th Edition, 4500 Cl B : 2023	<0.1	<0.1	0.2	1
10	Phosphate	mg/L	APHA 24 th Edition, 4500 P D : 2023	<0.3	<0.3	-	-
11	Magnesium as Mg	mg/L	APHA 24 th Edition, 3500 Mg B : 2023	47.39	51.03	30	100
12	Total Dissolved Solids	mg/L	APHA 24 th Edition, 2540 C : 2023	490.0	537.0	500	2000
13	Sulphate as SO ₄ ²⁻	mg/L	APHA 24 th Edition, 4500 SO ₄ ²⁻ D : 2023	37.29	48.34	200	400
14	Fluoride as F	mg/L	APHA 24 th Edition, 4500 F D : 2023	0.45	0.56	1.0	1.5

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Authorized Signatory-Chemical
(S. Babyan)

Pithampur Industrial Waste Management Private Limited
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CIN No. U90000TG2010PTC071919

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Certificate REG No : 23E0KE99 (ISO 45001 : 2018)

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Continuation Sheet - Report No.: PIWMPL/LAB/IKCL-357/2025-26							
15	Nitrate as NO ₃	mg/L	APHA 24 th Edition, 4500 NO ₃ B : 2023	8.34	9.12	45	No Relaxation
16	Iron as Fe	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1	<0.1	0.3	No Relaxation
17	Potassium as K	mg/L	APHA 24 th Edition, 3500 K B : 2023	3.91	5.13	-	-
18	Electrical Conductivity	µ mho/cm	APHA 24 th Edition, 2510 B : 2023	760	841	-	-
19	Zinc as Zn	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1	<0.1	5	15
20	Chemical Oxygen Demand	mg/L	APHA 24 th Edition, 5220 B : 2023	<5.0	<5.0	-	-
21	Bio Chemical Oxygen Demand 3 Days at 27 °C	mg/L	IS 3025 (Part 44) : 2019	<5.0	<5.0	-	-
22	Total Coliform	per 100 ml	PIWMPL/LAB/STP/56, Issue No.-1, Issue Date: 01.04.2024	Not Detected	Not Detected	Shall not be detectable in Any 100 ml sample	
23	E.Coli	per 100 ml	PIWMPL/LAB/STP/56, Issue No.-1, Issue Date: 01.04.2024	Not Detected	Not Detected		
Note: 1. The above results relate only to conditions prevailing at the time of sampling. 2. < refers to "Less Than"							
*****End of the test report*****							
Authorized Signatory-Biological (Shradha Mishra)						Authorized Signatory-Chemical (P. Babbarani)	
Page No. 2/2				PIWMPL/LAB/QRF/00/21.07.2022			

Pithampur Industrial Waste Management Private Limited
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 Certificate REG No : 23EOKE89 (ISO 45001 : 2018)

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TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD., (LABORATORY)			
Issued to: M/s. Kalra-Panna Limestone Mine (A Unit of JK Cement Ltd.)		Report No.: PIWMPL/LAB/JKCL-357-I/2025-26	
Village- Harduwaken, Tehsil- Amangan		Issue Date of Test Report: 05/02/2026	
Dist. Panna, PIN- 488441		Lab Ref. No: PIWMPL/LAB/4646, 4647/2025-26	
Madhya Pradesh			
Sampling Location: Ground Water (Kalra Mine) - Udla Village & Sotipura Village			
Nature of Sample: Ground Water		Packing Type: Unsealed	
Date & Time of Sampling: 15/01/2026 at 10:40 Hours		Date of Receipt: 17/01/2026	
Start Date of Analysis: 17/01/2026		End Date of Analysis: 28/01/2026	
Other Details :			
Ref:1	Sample Quantity: Each 5 Litre (Poly bottle)	Ref:2	Ambient Temperature: 23.5 °C
Ref:3	Sample Collected by : RESL Lab Team	Ref:4	Humidity: 56 %
Ref:5	Sampling Protocol: PIWMPL/LAB/SOP/02		

TEST LIMITS AS PER IS 10500 : 2012

Table 1 - Physical & Chemical Parameters

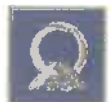
S. No.	Parameters	Unit	Test Method	Sampling Location		Requirement (Acceptable Limits)	Permissible Limit in the Absence of Alternate Source
				Udla Village	Sotipura Village		
1	Odour	-	IS 3025 (Part 5) : 2018 Second Revision	Agreeable	Agreeable	Agreeable	Agreeable
2	Turbidity	NTU	APHA 24 th Edition, 2130 B : 2023	<1.0	<1.0	1	5
3	Boron as B	mg/L	IS 3025 (Part 57) : 2021	<0.1	<0.1	0.5	2.4
4	Hexavalent Chromium as Cr ⁶⁺	mg/L	APHA 24 th Edition, 3500 Cr B : 2023	<0.05	<0.05	0.05	No Relaxation
5	Nickel as Ni	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.02	<0.02	0.02	No Relaxation
6	Copper as Cu	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.05	<0.05	0.05	1.5
7	Lead as Pb	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.01	<0.01	0.01	No Relaxation
8	Cadmium as Cd	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.003	<0.003	0.003	No Relaxation
9	Mercury as Hg	mg/L	APHA 24 th Edition, 3112 B : 2023	<0.001	<0.001	0.001	No Relaxation
10	Phenolic Compound as C ₆ H ₅ OH	mg/L	APHA 24 th Edition, 5530 D : 2023	<0.001	<0.001	0.001	0.002

Note:
 1. The above results relate only to conditions prevailing at the time of sampling.
 2. < refers to "Less Than"

*****End of the test report*****



S. Babyrani
 Authorized Signatory-Chemical
 (S. Babyrani)





TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD., (LABORATORY)

Issued to: M/s. J.K. Cement Works, Panna (A Unit of JK Cement Ltd.)

Report No.: PIWMPL/LAB/JKCL-349/2025-26

Village- Harduaken, Tehsil- Amanganj

Issue Date of Test Report: 05/02/2026

Dist. Panna, PIN- 488441

ULR No.: TC11359260000400F

Madhya Pradesh

Lab Ref. No: PIWMPL/LAB/4579/2025-26

Sampling Location : Ground Water (Cement Plant) - Deora Village

Nature of Sample: Ground Water

Packing Type: Unsealed

Date & Time of Sampling: 14/01/2026 at 10:15 Hours

Date of Receipt: 16/01/2026

Start Date of Analysis: 16/01/2026

End Date of Analysis: 27/01/2026

Other Details :

Ref:1 Sample Quantity: 5 Litre (Poly bottle)

Ref:2 Ambient Temperature: 23.5 °C

Ref:3 Sample Collected by : REST Lab Team

Ref:4 Humidity: 56 %

Ref:5 Sampling Protocol: PIWMPL/LAB/SOP/02

TEST LIMITS AS PER IS 10500 : 2012

Table 1 - Physical, Chemical, & Microbiological Parameters

S. No.	Parameters	Unit	Test Method	Sampling Location	Requirement (Acceptable Limits)	Permissible Limit in the Absence of Alternate Source
				Deora Village		
1	pH Value (at 25°C)	-	APHA 24 th Edition, 4500 H ⁺ B : 2023	7.46	6.5 to 8.5	No Relaxation
2	Colour	CU	APHA 24 th Edition, 2120 B : 2023 (Visual Comparison)	<1.0	5	15
3	Temperature	°C	APHA 24 th Edition, 2550 B	24	-	-
4	Total Hardness, as CaCO ₃	mg/L	APHA 24 th Edition, 2340 C : 2023	350.0	200	600
5	Calcium, as Ca	mg/L	APHA 24 th Edition, 3500 Ca B : 2023	62.12	75	200
6	Alkalinity as CaCO ₃	mg/L	APHA 24 th Edition, 2320 B : 2023	110.0	200	600
7	Sodium as Na	mg/L	APHA 24 th Edition, 3500 Na B : 2023	46.80	-	-
8	Chloride, as Cl ⁻	mg/L	APHA 24 th Edition, 4500 Cl ⁻ B : 2023	234.8	250	1000
9	Residual free Chlorine	mg/L	APHA 24 th Edition, 4500 Cl B : 2023	<0.1	0.2	1
10	Phosphate	mg/L	APHA 24 th Edition, 4500 P D : 2023	<0.3	-	-
11	Magnesium as Mg	mg/L	APHA 24 th Edition, 3500 Mg B : 2023	47.39	30	100
12	Total Dissolved Solids	mg/L	APHA 24 th Edition, 2540 C : 2023	571.0	500	2000
13	Sulphate as SO ₄ ²⁻	mg/L	APHA 24 th Edition, 4500 SO ₄ ²⁻ D : 2023	44.89	200	400
14	Fluoride as F ⁻	mg/L	APHA 24 th Edition, 4500 F D : 2023	0.34	1.0	1.5

Page No. 1/2



Authorized Signatory-Chemical (S. Babrand)

Pithampur Industrial Waste Management Private Limited (A Subsidiary of Re Sustainability Limited)

CIN No. U90000TG2010PTC071919

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Site Address:

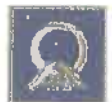
Plot No 104, Industrial Area, Sector-II, Pithampur, District Dhar - 454 775, Madhya Pradesh, India.

Certificate REG No : 23EQKR96 (ISO 9001 : 2015)
Certificate REG No : 23EEKW93 (ISO 14001 : 2015)
Certificate REG No : 23EOKE89 (ISO 45001 : 2018)

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Continuation Sheet - PIWMPL/LAB/JKCL-349/2025-26						
15	Nitrate as NO ₃	mg/L	APHA 24 th Edition, 4500 NO ₃ -B : 2023	14.12	45	No Relaxation
16	Iron as Fe	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1	0.3	No Relaxation
17	Potassium as K	mg/L	APHA 24 th Edition, 3500 K B : 2023	4.91	-	-
18	Electrical Conductivity	μ mho/cm	APHA 24 th Edition, 2510 B : 2023	937.0	-	-
19	Zinc as Zn	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1	5	15
20	Chemical Oxygen Demand	mg/L	APHA 24 th Edition, 5220 B : 2023	<5.0	-	-
21	Bio Chemical Oxygen Demand 3 Days at 27 °C	mg/L	IS 3025 (Part 44) : 2019	<5.0	-	-
22	Total Coliform	per 100 ml	PIWMPL/LAB/STP/56, Issue No.-1, Issue Date: 01.04.2024	Not Detected	Shall not be detectable In Any 100 ml sample	
23	E.Coli	per 100 ml	PIWMPL/LAB/STP/56, Issue No.-1, Issue Date: 01.04.2024	Not Detected		
Note: 1. The above results relate only to conditions prevailing at the time of sampling. 2. < refers to "Less Than"						

*****End of the test report*****

Shradha
 Authorized Signatory-Biological
 (Shradha Mishra)



S. Babbar
 Authorized Signatory-Chemical
 (S. Babbar)

Page No. 2/2

PIWMPL/LAB/QRF/00/21.07.2022

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TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD., (LABORATORY)

Issued to: M/s. J.K. Cement Works, Panna (A Unit of JK Cement Ltd.)

Report No.: PIWMPL/LAB/JKCL-349-1/2025-26

Village- Hardwaken, Tehsil- Amanganj

Issue Date of Test Report: 05/02/2026

Dist. Panna, PIN- 488441

Lab Ref. No: PIWMPL/LAB/4579/2025-26

Madhya Pradesh

Sampling Location: Ground Water (Cement Plant) - Deora Village

Nature of Sample: Ground Water

Packing Type: Unsealed

Date & Time of Sampling: 14/01/2026 at 10:15 Hours

Date of Receipt: 16/01/2026

Start Date of Analysis: 15/01/2026

End Date of Analysis: 27/01/2026

Other Details :

Ref:1 Sample Quantity: 5 Litre (Poly bottle)

Ref:2 Ambient Temperature: 23.5 °C

Ref:3 Sample Collected by : RESL Lab Team

Ref:4 Humidity: 56 %

Ref:5 Sampling Protocol: PIWMPL/LAB/SOP/02

TEST LIMITS AS PER IS 10500 : 2012

Table 1 - Physical & Chemical Parameters

S. No.	Parameters	Unit.	Test Method	Sampling Location	Requirement (Acceptable Limits)	Permissible Limit in the Absence of Alternate Source
				Deora Village		
1	Odour	-	IS 3025 (Part 5) : 2018 Second Revision	Agreeable	Agreeable	Agreeable
2	Turbidity	NTU	APHA 24 th Edition, 2130 B : 2023	<1.0	1	5
3	Boron as B	mg/L	IS 3025 (Part 57) : 2021	<0.1	0.5	2.4
4	Hexavalent Chromium as Cr ⁶⁺	mg/L	APHA 24 th Edition, 3500 Cr B : 2023	<0.05	0.05	No Relaxation
5	Nickel as Ni	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.02	0.02	No Relaxation
6	Copper as Cu	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.05	0.05	1.5
7	Lead as Pb	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.01	0.01	No Relaxation
8	Cadmium as Cd	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.003	0.003	No Relaxation
9	Mercury as Hg	mg/L	APHA 24 th Edition, 3112 B : 2023	<0.001	0.001	No Relaxation
10	Phenolic Compound as C ₆ H ₅ OH	mg/L	APHA 24 th Edition, 5530 D : 2023	<0.001	0.001	0.002

Notes: 1. The above results relate only to conditions prevailing at the time of sampling.
2. < refers to "Less Than"

*****End of the test report*****




 Authorized Signatory-Chemical
 (S. Babyrani)

Page No. 1/1

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Pithampur Industrial Waste Management Private Limited
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CIN No. U90000TG2010PTC071919

Registered Office:

Level 11B, Aurobindo Galaxy,
 Hyderabad Knowledge City,
 Hitech City Road, Hyderabad-500 081,
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Site Address:

Plot No 104, Industrial Area, Sector-II,
 Pithampur, District Dhar - 454 775,
 Madhya Pradesh,
 India.

Certificate REG No : 23EQKR98 [ISO 9001 : 2015]
 Certificate REG No : 23EEKW93 [ISO 14001 : 2015]
 Certificate REG No : 23EOKE89 [ISO 45001 : 2018]

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TC-11369



TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD., (LABORATORY)				
Issued to: M/s. Kakra-Panna Limestone Mine (A Unit of JK Cement Ltd.)		Report No : PIWMPL/LAB/JKCL-176/2025-26		
Village- Harduwaken, Tehsil- Amanganj		Issue Date of Test Report: 05/12/2025		
Dist. Panna, PIN- 488441		ULR No.: TC113592500003553F		
MADHYA PRADESH		Lab Ref. No: PIWMPL/LAB/3410/2025-26		
Sample Location: Surface Water - Run off Water Kakra Mine Pit-01				
Nature of Sample: Surface Water		Packing Type: Unsealed		
Date & Time of Sampling: 18/11/2025 at 10:30 Hours		Date of Receipt: 20/11/2025		
Start Date of Analysis: 20/11/2025		End Date of Analysis: 01/12/2025		
Other Details :				
Ref:1	Sample Quantity: 5 Litre (Poly bottle)	Ref:2	Ambient Temperature: 25.3 °C	
Ref:3	Sample Collected by : RESL Lab Team	Ref:4	Humidity: 51 %	
Ref:5	Sampling Protocol: PIWMPL/LAB/SOP/02			
Test Reports				
Table 1 - Physical, Chemical & Microbiological Parameters				
S. No.	Parameters	Unit	Test Method	Sampling Location
				Run of Water Kakra Mine
1	pH Value (at 25°C)	-	APHA 24 th Edition, 4500 H+ B : 2023	7.30
2	Colour	CU	APHA 24 th Edition, 2120 B : 2023 (Visual Comparison)	<1.0
3	Total Dissolved Solids	mg/L	APHA 24 th Edition, 2540 C : 2023	365
4	Total Hardness as CaCO ₃	mg/L	APHA 24 th Edition, 2340 C : 2023	206
5	Calcium as Ca	mg/L	APHA 24 th Edition, 3500 Ca B : 2023	36.07
6	Magnesium as Mg	mg/L	APHA 24 th Edition, 3500 Mg B : 2023	28.19
7	Sodium as Na	mg/L	APHA 24 th Edition, 3500 Na B : 2023	44.29
8	Potassium as K	mg/L	APHA 24 th Edition, 3500 K B : 2023	8.12
9	Alkalinity as CaCO ₃	mg/L	APHA 24 th Edition, 2320 B : 2023	160.0
10	Sulphate as SO ₄ ²⁻	mg/L	AAPHA 24 th Edition, 4500 SO ₄ ²⁻ E : 2023	19.23
11	Chlorides as Cl ⁻	mg/L	APHA 24 th Edition, 4500 Cl C : 2023	82.47
12	Nitrate as NO ₃	mg/L	APHA 24 th Edition, 4500 NO ₃ B : 2023	8.23
13	Fluoride as F ⁻	mg/L	APHA 24 th Edition, 4500 F D : 2023	0.47
Page No. 1/3				 Authorized Signatory-Chemical (S. Babyrani)



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Continuation Sheet - Report No : PIWMPL/LAB/JKCL-176/2025-26				
14	Copper as Cu	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1
15	Iron as Fe	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1
16	Zinc as Zn	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1
17	Cadmium as Cd	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1
18	Mercury as Hg	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.01
19	Lead as Pb	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1
20	Arsenic as As	mg/L	APHA 24 th Edition, 3114 B : 2023	<0.005
21	Chemical Oxygen Demand	mg/L	APHA 24 th Edition, 5220 B : 2023	<5.0
22	Biochemical Oxygen Demand (03 Days at 27 °C)	mg/L	IS 3025 (Part 44) : 2019	<5.0
23	Oil and Grease	mg/L	APHA 24 th Edition, 5520 B : 2023	<4.0
24	Dissolved Oxygen	mg/L	APHA 24 th Edition, 4500 O C : 2023	6.4
25	Total Suspended Solids (at 105°C)	mg/L	APHA 24 th Edition, 2540 D : 2023	10.0
26	Total Coliform	per 100 ml	PIWMPL/LAB/STP/56, Issue No.-1, Issue Date: 01.04.2024	Not Detected
27	E.Coli	per 100 ml	PIWMPL/LAB/STP/56, Issue No.-1, Issue Date: 01.04.2024	Not Detected
Note:				
1. The above results relate only to conditions prevailing at the time of sampling.				
2. < refers to "Less Than"				
*****End of the test report*****				
 Authorized Signatory-Biological (Shraddha Mishra)				 Authorized Signatory-Chemical (S. Babyrani)
Page No. 2/2			PIWMPL/LAB/QRF/00/21.07.2022	

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TC-11369



TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD., (LABORATORY)				
Issued to: M/s. Kakra-Panna Limestone Mine (A Unit of JK Cement Ltd.)		Report No : PIWMPL/LAB/JKCL-176/2025-26		
Village- Harduwaken, Tehsil- Amanganj		Issue Date of Test Report: 05/12/2025		
Dist. Panna, PIN- 488441		ULR No.: TC113592500003553F		
MADHYA PRADESH		Lab Ref. No: PIWMPL/LAB/3410/2025-26		
Sample Location: Surface Water - Run off Water Kakra Mine Pit-01				
Nature of Sample: Surface Water		Packing Type: Unsealed		
Date & Time of Sampling: 18/11/2025 at 10:30 Hours		Date of Receipt: 20/11/2025		
Start Date of Analysis: 20/11/2025		End Date of Analysis: 01/12/2025		
Other Details :				
Ref:1	Sample Quantity: 5 Litre (Poly bottle)	Ref:2	Ambient Temperature: 25.3 °C	
Ref:3	Sample Collected by : RESL Lab Team	Ref:4	Humidity: 51 %	
Ref:5	Sampling Protocol: PIWMPL/LAB/SOP/02			
Test Reports				
Table 1 - Physical, Chemical & Microbiological Parameters				
S. No.	Parameters	Unit	Test Method	Sampling Location
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2	Colour	CU	APHA 24 th Edition, 2120 B : 2023 (Visual Comparison)	<1.0
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8	Potassium as K	mg/L	APHA 24 th Edition, 3500 K B : 2023	8.12
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Page No. 1/3				 Authorized Signatory-Chemical (S. Babyrani)



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Continuation Sheet - Report No : PIWMPL/LAB/JKCL-176/2025-26						
14	Copper as Cu	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1		
15	Iron as Fe	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1		
16	Zinc as Zn	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1		
17	Cadmium as Cd	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1		
18	Mercury as Hg	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.01		
19	Lead as Pb	mg/L	APHA 24 th Edition, 3111 B : 2023	<0.1		
20	Arsenic as As	mg/L	APHA 24 th Edition, 3114 B : 2023	<0.005		
21	Chemical Oxygen Demand	mg/L	APHA 24 th Edition, 5220 B : 2023	<5.0		
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23	Oil and Grease	mg/L	APHA 24 th Edition, 5520 B : 2023	<4.0		
24	Dissolved Oxygen	mg/L	APHA 24 th Edition, 4500 O C : 2023	6.4		
25	Total Suspended Solids (at 105°C)	mg/L	APHA 24 th Edition, 2540 D : 2023	10.0		
26	Total Coliform	per 100 ml	PIWMPL/LAB/STP/56, Issue No.-1, Issue Date: 01.04.2024	Not Detected		
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Note:						
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Page No. 2/2			PIWMPL/LAB/QRF/00/21.07.2022			

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TC-11359



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TEST REPORT

Issued from : PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD. (LABORATORY)							
Issued to: M/s. Kakra-Panna Limestone Mine (A Unit of JK Cement Ltd.)					Report No: PIWMPL/LAB/JKCL-534/2025-26		
Tehsil- Amanganj Dist. Panna, PIN- 488441 Madhya Pradesh					Issued Date : 06/04/2026		
					ULR No : TC1135926000001480F		
					Lab Ref. No: PIWMPL/LAB/5908, 5909, 5910, 5911/2025-26		
Sampling Particulars : Ambient Noise Level Monitoring (Core Zone)							
Date of Monitoring : 10/03/2026				Date of Completion of Monitoring: 13/03/2026			
Other References :							
Ref:1	Time of Measurement (Day Time) : 11:55 Hours			Ref:2	Monitoring Carried out by: RESL Lab Team		
Ref:3	Time of Measurement (Night Time) : 22:23 Hours			Ref:4	Environmental Condition : Clear Sky		
TEST LIMIT AS PER MADHYA PRADESH POLLUTION CONTROL BOARD (M.P.P.C.B)							
Table 1:- Noise Monitoring During Day Time							
Sl. No	Monitoring Location	Unit	Maximum	Minimum	Result (Leq)	Limit	Method of Test
1	Near Kakra Mine office	dB(A)	67.3	50.2	58.8	NMT 75	IS 9989 :1981
2	Near Security Office	dB(A)	64.1	58.6	61.4	NMT 75	IS 9989 :1981
3	Kakra Mine Lease Area (Near Kamtana CAAQMS)	dB(A)	63.6	54.5	59.1	NMT 75	IS 9989 :1981
4	Kakra Mine Pit back side	dB(A)	63.9	57.3	60.6	NMT 75	IS 9989 :1981
Table 2:- Noise Monitoring During Night Time							
Sl. No	Monitoring Location	Unit	Maximum	Minimum	Result (Leq)	Limit	Method of Test
1	Near Kakra Mine office	dB(A)	55.3	47.8	51.6	NMT 70	IS 9989 :1981
2	Near Security Office	dB(A)	57.9	48.2	53.1	NMT 70	IS 9989 :1981
3	Kakra Mine Lease Area (Near Kamtana CAAQMS)	dB(A)	59.6	50.4	55.0	NMT 70	IS 9989 :1981
4	Kakra Mine Pit back side	dB(A)	56.2	49.8	53.0	NMT 70	IS 9989 :1981
Note:-	1. The above results relate only to conditions prevailing at the time of sampling. 2. Day time Shall mean from : 6:00 AM to 10:00 PM 3. Night Time shall mean from: 10:00 PM to 6:00 AM 4. Statement of conformity to a specification or standard is given only on the request of customer. 5. The report cannot be reproduced in part or in full without the permission of Pithampur Industrial Waste Management Pvt. Ltd. 6. NMT - refers to "Not More Than"						
*****End of the test report*****							

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 Authorized Signatory
 S. Babyrani

PIWMPL/LAB/QR/00/21.07.2022

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TEST REPORT

Issued from : PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD. (LABORATORY)

Issued to: M/s. Kakra-Panna Limestone Mine (A Unit of JK Cement Ltd.)

Report No: PIWMPL/LAB/JKCL-535/2025-26

Tehsil- Amanganj

Issued Date : 06/04/2026

Dist. Panna, PIN- 488441

ULR No : TC1135926000001481F

Madhya Pradesh

Lab Ref. No: PIWMPL/LAB/6163, 6164, 6165, 6166/2025-26

Sampling Particulars : Ambient Noise Level Monitoring (Core Zone)

Date of Monitoring : 16-03-2026

Date of Completion of Monitoring: 19/03/2026

Other References :

Ref:1 Time of Measurement (Day Time) : 10:20 Hours

Ref:2 Monitoring Carried out by: RESL Lab Team

Ref:3 Time of Measurement (Night Time) : 22:40 Hours

Ref:4 Environmental Condition : Clear Sky

TEST LIMIT AS PER MADHYA PRADESH POLLUTION CONTROL BOARD (M.P.C.B)

Table 1:- Noise Monitoring During Day Time

Sl. No	Monitoring Location	Unit	Maximum	Minimum	Result (Leq)	Limit	Method of Test
1	Kakra Village	dB(A)	53.4	47.8	50.6	NMT 55	IS 9989 :1981
2	Kamtana Village	dB(A)	50.3	43.8	47.1	NMT 55	IS 9989 :1981
3	Deora Village	dB(A)	52.6	45.7	49.2	NMT 55	IS 9989 :1981
4	Saptai Village	dB(A)	48.1	44.2	46.2	NMT 55	IS 9989 :1981

Table 2:- Noise Monitoring During Night Time

Sl. No	Monitoring Location	Unit	Maximum	Minimum	Result (Leq)	Limit	Method of Test
1	Kakra Village	dB(A)	38.3	35.4	36.9	NMT 45	IS 9989 :1981
2	Kamtana Village	dB(A)	40.4	37.9	39.2	NMT 45	IS 9989 :1981
3	Deora Village	dB(A)	42.5	36.2	39.4	NMT 45	IS 9989 :1981
4	Saptai Village	dB(A)	40.7	35.4	38.1	NMT 45	IS 9989 :1981

- Note:-
- 1.The above results relate only to conditions prevailing at the time of sampling.
 2. Day time Shall mean from : 6:00 AM to 10:00 PM
 3. Night Time shall mean from: 10:00 PM to 6:00 AM
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PIWMPL/LAB/QRF/00/21.07.2022

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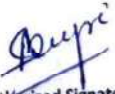
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TEST REPORT					
Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD. (LABORATORY)					
Issued to: M/s. Kakra-Panna Limestone Mine (A Unit of JK Cement Ltd.)				Report No : PIWMPL/LAB/JKCL-463/2025-26	
Tehsil- Amanganj Dist. Panna, PIN- 488441 Madhya Pradesh				Issued Date : 05/03/2026 Lab Ref. No.: PIWMPL/LAB/5306, 5307, 5308, 5309, 5310/2025-26	
Sample Description: Work Zone Noise Monitoring					
Monitoring Period: Work Zone Noise for the Month February- 2026					
Date of Monitoring: 13/02/2026				Surrounding Source of Noise: Human & Mining Activity	
Other References :					
Ref:1	Nature of Sample: Work Zone Noise			Ref:2	Ambient Temperature: Min.- 22.0 °C Max.- 29.0 °C
Ref:3	Monitoring Carried out by: RESL Lab Team			Ref:4	Duration of Sampling: 30 Minutes
Ref:5	Humidity:- Min.- 50% Max.- 65%			Ref:6	General Environment Condition: Clear Sky
Ref:7	Sampling Protocol: PIWMPL/LAB/SOP-45/2022: Rev./Issue:01				
TEST LIMIT AS PER MADHYA PRADESH POLLUTION CONTROL BOARD (M.P.P.C.B)					
Table 1:- Noise Monitoring					
S. No.	Location	Protocol	Unit	Result	Limit
1	Drill Operator Cabin	IS: 9989, IS 9876:1981	dB(A)	81.7	90.0
2	Exavator Operator Cabin	IS: 9989, IS 9876:1981	dB(A)	80.2	90.0
3	Dumper Operator Cabin	IS: 9989, IS 9876:1981	dB(A)	76.4	90.0
4	Crusher Operator Cabin	IS: 9989, IS 9876:1981	dB(A)	82.5	90.0
5	Weigh Bridge Operator Cabin	IS: 9989, IS 9876:1981	dB(A)	76.2	90.0
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***** End of the test report*****					
Page No: 1/1					 Authorized Signatory: S. Babyrani PIWMPL/LAB/QRF/00/21.07.2022

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Issued to: M/s. Kakra-Panna Limestone Mine (A Unit of JK Cement Ltd.)

Tehsil- Amanganj
Dist. Panna, PIN- 483441
Madhya Pradesh

Report No : PIWMPL/LAB/JKCL-456/2025-26
Issued Date : 05/03/2026
Lab Ref. No.: PIWMPL/LAB/5284, 5285, 5286, 5287, 5288, 5289/2025-26

Sample Description: Personal Dust Exposure Monitoring

Monitoring Period: Personal Dust Exposure Monitoring for the Month February- 2026

Date of Monitoring: 11/02/2026

Date of Receipt: 13/02/2026

Date of Start of Analysis: 13/02/2026

Date of Completion of Analysis: 23/02/2026

Other References :

Ref:1	Nature of Sample: Personal Dust Exposure Monitoring	Ref:2	Ambient Temperature: Min.- 24.0 °C Max.- 30.0 °C
Ref:3	Monitoring Carried out by: RESL Lab Team	Ref:4	Duration of Sampling: 8 Hours
Ref:5	Humidity:- Min.- 50% Max.- 65%	Ref:6	General Environment Condition: Clear Sky
Ref:7	Sampling Protocol: PIWMPL/LAB/SOP-45/2022: Rev./Issue:01		

TEST LIMIT AS PER FACTORIES ACT 1948, CHAPTER 1

Table 1 - Personal Dust Exposure Monitoring Result

Parameter			Suspended Particulate Matter	Free Silica
Method				
S. No.	Location	Unit	NIOSH 500, 2001	NIOSH Method 7602
1	Drill Operator Cabin	mg/m ³	3.21	0.04
2	Excavator Operator Cabin	mg/m ³	4.16	0.06
3	Dumper Operatoir Cabin	mg/m ³	3.10	0.03
4	Crusher Operator Cabin	mg/m ³	2.63	0.04
5	Weigh Bridge Operator Cabin	mg/m ³	4.28	0.05
6	Crusher Material Unloading Area	mg/m ³	3.77	0.04
Limit		mg/m ³	10.0	0.15

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- For Free Silica, limit as per Directorate General of Mines Safety Ministry of Labour. DGMS (Tech) (S and T) Circular No 01 Dhanbad, Dated 21st January 2010 Exposure Limits.

***** End of the test report*****

Page No: 1/1



S. Babyrani
Authorized Signatory:
S. Babyrani

PIWMPL/LAB/QRF/00/21.07.2022

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Certificate REG No : 44 125 20392865 (ISO 14001 : 2015)

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Awareness on Plastic Waste Campaign

(Annexure-12)

Location







Photo



Cement Plant & Mines Area



Awareness on Plastic Waste Campaign

Location	Photo
<p>Amanganj Bus Stand</p>	 <p>Amanganj, Madhya Pradesh, India C2hp+jwj, C2hp Mvj, Amanganj, Madhya Pradesh 488441, India Lat 24.429178° Long 80.037124° 02/06/2025 10:03 AM GMT +05:30</p>
	 <p>Amanganj, Madhya Pradesh, India C2hp+jwj, C2hp Mvj, Amanganj, Madhya Pradesh 488441, India Lat 24.429107° Long 80.037253° 02/06/2025 10:03 AM GMT +05:30</p>
	 <p>Amanganj, Madhya Pradesh, India Thana Tiraha Panna Khajuraho Rd, Near Police Station, Amanganj, Madhya Pradesh 488441, India Lat 24.429694° Long 80.036881° 02/06/2025 10:08 AM GMT +05:30</p>
	 <p>Amanganj, Madhya Pradesh, India C2gjn+evve, Mp Sh 49, Amanganj, Madhya Pradesh 488441, India Lat 24.429111° Long 80.032768° 02/06/2025 10:50 AM GMT +05:30</p>
	 <p>Amanganj, Madhya Pradesh, India New Bus Stand Amanganj New Bus Stand, Amanganj, Madhya Pradesh 488441, India Lat 24.429335° Long 80.036893° 02/06/2025 09:55 AM GMT +05:30</p>
 <p>Amanganj, Madhya Pradesh, India C2hp+qr7, Amanganj, Madhya Pradesh 488441, India Lat 24.429297° Long 80.037098° 02/06/2025 09:59 AM GMT +05:30</p>	

Awareness on Plastic Waste Campaign

Location

Photo



Puraina Village

