

Ref: JK/CTO-(KAKRA)/2026-27/F18/07

Date- 22.09.2026

To,
Member Secretary,
MP Pollution Control Board,
Paryawaran Parisar, E-5, Arera Colony,
Bhopal (MP).

Subject: **Environment Statement Report (Form-V) for FY. 2025-26 of Kakra- Panna Lime Stone Mine of M/s. J K Cement Limited, located at Various khasra at Village- Kakra, Kamtana, Saptai, Judi, Devripurohit, Devra, Tehsil Amanganj, Distt- Panna (M.P.)**

Reference No.:

1. Ministry (MoEF&CC) letter no. J-11015/190/2016-IA-II(M) dated 31.08.2020.
2. Corrigendum in EC Letter no. J-11015/190/2016-IA-II(M) dated 08.03.2021.
3. Consent No: AWH-57726 dated 03.03.2023 valid up to 31.01.2026 & Hazardous Authorization valid up to 31.01.2028.
4. Consent no. AW-63727 dated 26.01.2026 valid up to 31.01.2027.

Dear sir,

With reference to aforesaid subject, please find herewith enclosed Environment Statement Report (Form-V) for **FY.2025-26** of Kakra- Panna Lime Stone Mine of M/s. JK Cement Limited, located at Various khasra at Village- Kakra, Kamtana, Saptai, Judi, Devripurohit, Devra, Tehsil Amanganj, Distt- Panna (M.P.).

This is for your kind information and record, please.

Thanking you.

Yours faithfully,

For Kakra Panna Limestone Mine
(Unit of JK Cement Limited)



Kapil Agrawal
(Unit Head)

Encl: As above

CC: 1- The Regional Office (WZ), MoEF&CC, Kendriya Paryawaran Bhawan, Bhopal – 462 016
2- Regional Officer, Regional Office, MP Pollution Control Board, Makronia, Sagar (MP)



Corporate Office

Prism Tower, Ninaniya Estate, Gwal Pahari,
Gurugram, Haryana - 122102, India

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✉ corpcom@jkcement.com



Manufacturing Units at:

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



Environment Statement Report
Kakra -Panna Limestone Mine
(A unit of J K Cement Limited, Panna)
FY: April-2025 -March-2026



Kakra- Panna Limestone Mine
M/s. J K Cement Limited,
Located at Various khasra at Village- Kakra,
Kamtana, Saptai, Judi, Devripurohit, Devra,
Tehsil Amanganj, Distt- Panna (M.P.)-488441

FORM – V**ENVIRONMENTAL STATEMENT REPORT FOR THE FINANCIAL YEAR 2025-26****PART – A**

(i).	Name and address of the owner/ Occupier of the industry/operation or process.	Kapil Agrawal Unit Head Kakra-Panna Limestone Mine, M/s. J K Cement Limited, Various Khasra at Village-Kakra, Kamtana, Saptai,Judi,Dev, Village-Kakra, Kamtana,Saptai, Judi,Devripurohit, Devra,Tah- Amanganj, Distt- Panna (MP)																								
(ii).	Industry Category - Primary (STC Code) / Secondary (STC Code)	Red Large Scale																								
(iii).	Production Capacity Units	<table border="1"> <thead> <tr> <th>Sr.No</th> <th>Production data</th> <th>Capacity (Million Ton per Year)</th> <th>Production Generation during FY: 2025-26 in (Million Ton per Year)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Mining of Limestone</td> <td>4.08</td> <td>2.91</td> </tr> <tr> <td>2</td> <td>Mine Waste</td> <td>0.18</td> <td>0</td> </tr> <tr> <td>3</td> <td>Mining of Sub –grade Limestone</td> <td>0.58</td> <td>0</td> </tr> <tr> <td>4</td> <td>Mining of Inter burden</td> <td>1.51</td> <td>0</td> </tr> <tr> <td>5</td> <td>Mining of Soil / Alluvium</td> <td>1.26</td> <td>0.78</td> </tr> </tbody> </table>	Sr.No	Production data	Capacity (Million Ton per Year)	Production Generation during FY: 2025-26 in (Million Ton per Year)	1	Mining of Limestone	4.08	2.91	2	Mine Waste	0.18	0	3	Mining of Sub –grade Limestone	0.58	0	4	Mining of Inter burden	1.51	0	5	Mining of Soil / Alluvium	1.26	0.78
Sr.No	Production data	Capacity (Million Ton per Year)	Production Generation during FY: 2025-26 in (Million Ton per Year)																							
1	Mining of Limestone	4.08	2.91																							
2	Mine Waste	0.18	0																							
3	Mining of Sub –grade Limestone	0.58	0																							
4	Mining of Inter burden	1.51	0																							
5	Mining of Soil / Alluvium	1.26	0.78																							
(iv).	Year of establish	2023																								
(v).	Date of the Last Environmental Statement Submitted	15.09.2025																								

PART – B**Water & Raw Material Consumption and Lime stone production****A. Water consumption KL/Day
Over All Consumption**

- (i) Process (Dust Suppression) - **60.9 KL/Day (Total 22241 KL)**
(ii) Cooling - NA
(iii) Domestic - **6.9 KL/Day (Total 2532.2 KL)**

Consumption per unit of production

Name of the Product	Process Water Consumption per unit of Product Output (KL/MT of Limestone)	
	During the Previous Financial Year (2024-25)	During the Current Financial Year (2025-26)
Lime Stone	0.012	0.010

B. Raw Material Consumption

Name of the Raw Material	Name of Product	Consumption of Raw Material per Unit Product Output (KL/MT of Limestone)	
		During the Previous Financial Year (2024-25)	During the Current Financial Year (2025-26)
Diesel	Limestone	0.00087	0.00073

This is a captive mine where Limestone excavated from the mining lease for manufacturing cement. The supporting raw materials used for mining are fuel (HSD).

C. Total Material Production (in Ton)

Product	During the Previous Financial Year (2024-25)	During the Current Financial Year (2025-26)
Lime Stone	1789552	2910197
Waste	0.00	0.00
Sub-grade Lime Stone	0.00	0.00
Inter Burden	290554	0.00
Soil/Alluvium	470118	780309

(Note- Month wise production data enclosed as **Annexure-1.**)

D. Total Power consumption (KWH/ MT of Limestone)

During the Previous Financial Year (2024-25)	During the Current Financial Year (2025-26)
1.37	1.36

E. Lubrication and Explosive consumption

(*) Name of Raw Materials	Unit	During the previous Financial year (2024-25)	During the current Financial year (2025-26)
Description			
Diesel	Liters	1548788	2130548
Lubricant Oil	Liters	25198	38250

Grease	KG	600	1986
AFNO	KG	5300	29550
Slurry (Column, Prime, and base)	KG	409000	458637
Electrical Detonators	(In No's)	794	427
Nonel Detonators	(In No's)	126885	37059
Detonating fuse	(in Mts)	0.00	0.00

This is a captive mine where Limestone excavated from the mining lease for manufacturing cement. The supporting raw materials used for mining are fuel (HSD), Lubricant Oil and Grease for Heavy Earth Moving Machineries (HEMM) and Explosives for blasting.

F. Total Power consumption (KWH)

During the Previous Financial Year (2024-25)	During the Current Financial Year (2025-26)
4458038	5634201

PART – C

Pollutant Discharged To Environment / Unit of Output (Parameters as specified in the consent issued)

S. No.	Pollutants	Quantity of Pollutants Discharged (Mass / day) (tonne/day)	Concentrations of Pollutants in discharged (Mass / Volume) (kg/m ³)	Percentage of variation from prescribed standard with reasons
(a)	Water	Waste water generated from the office toilets is being discharged into the soak pit via septic tank. There is no waste water in the mine. Mine's pit water is used for dust suppression & plantation in mine. Water Quality Analysis report enclosed as Annexure -2		
(b)	Air	Air monitoring parameters as specified in consent and its percentage of variation from prescribed standards are enclosed as Annexure-3 . Fugitive & Noise Monitoring report enclosed as Annexure-4 &5 .		

PART – D

(As specified under Hazardous waste / Management and Handling rules, 1989 as Amended - 2016)

Hazardous waste generated will be stored in a dedicated area and will be disposed through registered recycler. During **FY: 2025-26** HW generation and disposed details is given below.

Hazardous Wastes		Total Quantity sold to recycler	
Description		During the previous Financial year (2024-25)	During the current Financial year (2025-26)
(a) From Process	(a) Category 5.1 Used / Spent Oil	1.86 MT	2.66 MT
	(b) Category 5.2 Waste Residue Containing oil	0.0	0.0
	(c) Category 3.3 Sludge& Filters contaminated with oil	0.0	0.0
	(d) Category 33.1 Empty Barrels/containers/liners/contaminated with hazardous chemicals/wastes	0.0	0.0
(b) From Pollution Control Facilities	Nil	No hazardous waste is generated during mining activity.	

Note- Used or Spent Oil **HW Category (5.1)- 2.66 MT** sent to register **M/s Jaital Chemicals Pvt. Ltd. Baraghata Industrial area Dist-Gwalior (M.P)-474009.**

PART – E
SOLID WASTES

Solid Wastes	Total Quantity	
	During the previous Financial year (2024-25)	During the current Financial year (2025-26)
(a) From Process	N.A	N.A
(b) From Pollution Control Facilities	N.A	N.A
(c) Quantity recycled or reutilized	N.A	N.A
(i) Within the unit.		
(ii) Sold	N.A	N.A
(iii) Dispose	Mining of Inter burden: - 290554 MT Mining of Soil / Alluvium: - 470118 MT Mine Waste: - Nil	Mining of Inter burden: - Nil Mining of Soil / Alluvium: - 780309MT Mine Waste: - Nil

PART – F

Please specify the characterizations (in terms of composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

Hazardous waste: Hazardous wastes like used spent oil generated from the mine are stored and subsequently disposed off to PCB's authorized recycler.

We have authorization for following type of Hazardous Waste and its mode of disposal.

Sr.No.	Hazardous Waste	Mode of Disposal
1	Category 5.1- Used or Spent Oil	CTSDF/Sale to Recyclers authorized with SPCB
2	Category 5.2- Wastes or residues containing oil	CTSDF/Sale to Recyclers authorized with SPCB
3	Category 3.3- Sludge & Filters contaminated with oil	CTSDF/Sale to Recyclers authorized with SPCB
4	Category 33.1-Empty Barrels/containers/liners/contaminated with hazardous chemicals/wastes	CTSDF/Sale to Recyclers authorized with SPCB

PART – G

Impact of the pollution abatement measures taken on conservation of natural resources.

AIR

There is no impact observed on vegetation & water bodies in the surrounding areas due to dust, as it is suppressed on its generating sources.

The following measures are taken to suppress the dust at the source as well as to prevent the same spreading in the atmosphere:

- 1- Wet drilling system is provided on the drill machines.
- 2- Regular water sprinkling is done on haul road during operation.
- 3- Blasting parameters are optimised for proper fragmentation to reduce dust generation.
- 4- Plantation and development of Green Belt is done as per the approved mining plan.

WATER

- 1- Being Mechanized Limestone mine, it requires water mainly for Wet Drilling, Road Spraying and Green Belt Development. The source of water will be the accumulated rainwater in the lower most benches. There will be no discharged of liquid effluent / waste water from the Mine.
- 2- There will be no discharge of rain water or waste water from the mine to outside lease area. Rain water in the catchment area of mine lease will be diverted through drainage in to mine pits and the water is used for dust suppression and plantation purpose.

NOISE

- 1- Green Belt development for reducing noise.
- 2- PPEs will be provided to all workers.

PART – H

Additional measures/investment proposed for environmental protection including abatement of pollution/prevention of pollution.

Green belt development and tree plantation has been done as per approved Mining Plan. Blasting is done by using a combination of high strength and low strength explosives. Non-electric initiation is used in all of the blasts, which is costlier than conventional method of blasting. Non-electric initiation ensures least blast induced vibration, noise and fly rocks. Vibration is monitored by seismograph for each and every blast to ensure the parameters within specified limits.

Corporate Environment Responsibility (CER) Expenditure Report of Kakra-Panna Limestone Mine:

S.No.	Activities	Total Expenditure up to March-26 (in Lakhs)
1	Health (Health, Check-up, Camp, Sports etc.)	298.89
2	Education (Books, Bags, Stationary etc.)	1331.21
3	Sanitation (Domestic water, Toilets etc.)	60.89
4	Infrastructure (Road, Community Centers, etc.)	1006.3
5	Other Local Social Need	189.09
6	Greenery Development Nearby Area	490.65
Total		3377.03

Environment Expenditure Report Report of Kakra-Panna Limestone Mine:

S.N.	Expenditure incurred on Environment Management Activities	Expenditure Incurred 2025-26 (Rs in Lakh)
1	ETP operation & Maintenance	6.61
2	Environmental Monitoring work	6.00
3	Fees for statutory consents / approvals /Water charge	46.52
4	Environmental studie	13.95
5	Awareness programs/celebrations: World Environment day,	1.20
Total Rs in Lakh		74.3



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



Environment Day celebration

PART – I

Any other particulars for improving the quality of the environment.

Various measures taken for the improvement of environment, details along with the photographs are given below.

- 1- CAAQMS is installed at Kamtana Village.
- 2- Third Party Environment Monitoring (NABL Accredited) is done on regular basis.
- 3- Sprinkling of water for dust suppression round the clock.
- 4- Green belt area developed as per the approved mining plan.
- 5- Use of non-electric initiation system in the blasting operation to reduce air blast & no fly rock



CAAQMS Near Kamtana Village.



Data display in main Gate of the Kakra mine site.

Photographs showing various Environment protection measures at Mines

Plantation details for Kakra-Panna Limestone Mine

S.No	Period	Area (in Hectare)	No. of Trees Planted	Survival No's	Survival Rate	Remarks
1	Up to Mar-2026	24.61	61520	55984	91%	





Plantation photographs



Water sprinkling phot



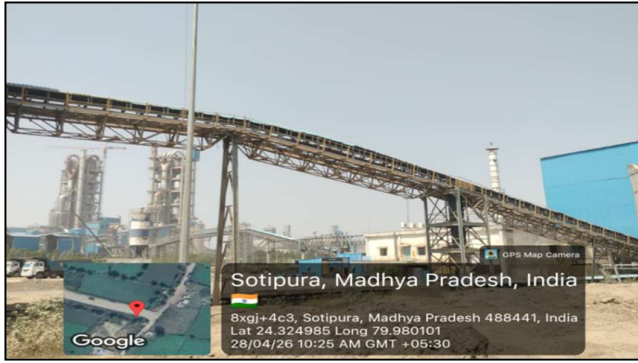
Water sprinkling in Mines haulage road



Water Sprinkling photo



Bag Filter photo



Covered belt-conveyors

Kapil Agrawal

Name: Kapil Agrawal

Unit Head

(M/s J K Cement Limited.,)

For Kakra-Panna Lime Stone Mine

Dated: 22.09.2026

Annexure-1

M/s -J K Cement Limited, Kakra -Panna Limestone Mines Village- Kakra,Kamtana, Saptai, Judi,
Devripurohit,& Devra, Tehsil: - Amanganj Distt- Panna (MP)

Month	FY: 2025-26				
	Limestone Production (MT)	Mine Waste (MT)	Mining of Sub -grade Limestone (MT)	Mining of Inter burden (MT)	Mining of Soil / Alluvium (MT)
Apr-25	196200	0.00	0.00	0	7945
May-25	177295	0.00	0.00	0	7104
Jun-25	174302	0.00	0.00	0	0
Jul-25	147834	0.00	0.00	0	0
Aug-25	118129	0.00	0.00	0	35902
Sep-25	159394	0.00	0.00	0	53678
Oct-25	235452	0.00	0.00	0	113930
Nov-25	218815	0.00	0.00	0	28300
Dec-25	313209	0.00	0.00	0	46760
Jan-26	419315	0.00	0.00	0	121492
Feb-26	364475	0.00	0.00	0	256806
Mar-26	385777	0.00	0.00	0	108392
Total	2910197	0	0	0	780309
MMTPA	2.91	0.00	0.00	0.00	0.78





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-368/2025-26

Village- Harduaken, Tehsil- Amangan]

Issue Date of Test Report: 05/02/2026

Dist. Panna, PIN- 488441

ULR No.: TC113592600000419F

MADHYA PRADESH

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

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

Nature of Sample: Surface Water

Packing Type: Unsealed

Date & Time of Sampling: 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: 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	7.44
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	347
4	Total Hardness as CaCO ₃	mg/L	APHA 24 th Edition, 2340 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, 2320 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. Babyrani)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)

T: 7067678811,12,13

E: mbdmpwmp@resustainability.com

piwmp.com





TC-11369



Continuation Sheet - Report No : PIWMPL/LAB/JKCL-368/2025-26

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	6.5
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

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)



Buyy
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:

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

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E: mbdmpwmp@resustainability.com

piwmp.com



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 : PIWMPL/LAB/IKCL-368-4/2025-26

Village- Harduaken, Tehsil- Amangan]

Issue Date of Test Report: 05/02/2026

Dist. Panna, PIN- 488441

Lab Ref. No: PIWMPL/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: 22/01/2026

End Date of Analysis: 02/02/2026

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 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 ⁶⁺	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

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,
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Certificate REG No : 23EQKR96 (ISO 9001 : 2015)
Certificate REG No : 23EEKV93 (ISO 14001 : 2015)
Certificate REG No : 23EOKE89 (ISO 45001 : 2018)

T: 7067678811,12,13

E: mbdmpwmp@resustainability.com

piwmp.com





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- Harduwaken, Tehsil- Amangan]

Issue Date of Test Report: 05/02/2026

Dist. Panna, PIN- 488441

ULR No.: TC113592600000404F

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: 14/01/2026 at 11:30 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 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

Page No. 1/2



Authorized Signatory-Chemical
(S. Babyrani)

Pithampur Industrial Waste Management Private Limited
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CIN No. U90000TG2010PTC071919

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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/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/QRF/00/21.07.2022

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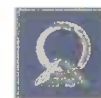
Plot No 104, Industrial Area, Sector-II,
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TEST REPORT

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- Amangan]		Issue Date of Test Report: 05/02/2026
	Dist. Panna, PIN- 488441		Lab Ref. No: PIWMPL/LAB/4586/2025-26
	Madhya Pradesh		
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: 16/01/2026			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 Kakra Mine Borewell	Requirement (Acceptable Limits)	Permissible Limit in the Absence of Alternate Source
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

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*****

Page No. 1/1



Authorized Signatory-Chemical
(S. Babyrani)

PIWMPL/LAB/QR/00/21.07.2022

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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-354/2025-26

Village- Harduwaken, Tehsil- Amangan]

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 Kakra Village (Hand Pump 1)	Requirement (Acceptable Limits)	Permissible Limit in the Absence of Alternate Source
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

Page No. 1/2

Authorized Signatory-Chemical
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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	Potasslum 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.Coll	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)



S. Babyrani
 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/JKCL-354-I/2025-26

Village- Harduwaken, 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 Kakra Village (Hand Pump - 1)	Requirement (Acceptable Limits)	Permissible Limit in the Absence of Alternate Source
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

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*****

Page No. 1/1



Authorized Signatory-Chemical
(S. Babyrani)

PIWMPL/LAB/QRF/00/21.07.2022

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Annexure-3

M/s -J K Cement Limited, Kakra -Panna Limestone Mines Village- Kakra,Kamtana, Saptai,
 AMBIENT AIR QUALITY AT MINE (CORE ZONE)

(Year 2025-26)

Area	Description	Permissible Limit ($\mu\text{g}/\text{m}^3$)	Yearly Average ($\mu\text{g}/\text{m}^3$)	% variation from limit
Near Mine office	PM ₁₀	60	47.99	-20.02
	PM _{2.5}	40	26.11	-34.74
	SO ₂	50	8.72	-82.57
	NO _x	40	15.93	-60.19
Near Security Office	PM ₁₀	60	49.12	-18.14
	PM _{2.5}	40	26.86	-32.84
	SO ₂	50	8.82	-82.36
	NO _x	40	16.22	-59.46
Kakra Mine Lease Area	PM ₁₀	60	49.47	-17.55
	PM _{2.5}	40	26.59	-33.53
	SO ₂	50	8.72	-82.56
	NO _x	40	16.69	-58.28
Kakra Mine Pit	PM ₁₀	60	58.79	-2.03
	PM _{2.5}	40	30.81	-22.99
	SO ₂	50	10.13	-79.74
	NO _x	40	18.14	-54.65

Area	Description	Permissible Limit ($\mu\text{g}/\text{m}^3$)	Yearly Average ($\mu\text{g}/\text{m}^3$)	% variation from limit
Kakra Village	PM ₁₀	60	44.72	-25.48
	PM _{2.5}	40	23.46	-41.34
	SO ₂	50	6.95	-86.10
	NO _x	40	13.72	-65.70
Kamtana Village	PM ₁₀	60	48.29	-19.52
	PM _{2.5}	40	26.00	-35.00
	SO ₂	50	7.74	-84.53
	NO _x	40	15.25	-61.87
Deora Village	PM ₁₀	60	46.61	-22.31
	PM _{2.5}	40	25.34	-36.66
	SO ₂	50	7.70	-84.60
	NO _x	40	13.31	-66.72
Saptai Village	PM ₁₀	60	46.59	-22.35
	PM _{2.5}	40	25.12	-37.21
	SO ₂	50	7.64	-84.72
	NO _x	40	14.20	-64.50





TEST REPORT

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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/m3	518.38	600	PIWMPL/LAB/STP/12, Issue No.1, Issue Date: 22.07.2022

Note :

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

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PIWMPL/LAB/QRF/00/21.07.2022

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TEST REPORT

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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

Issued Date : 06/04/2026

Dist. Panna, PIN- 488441

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

Madhya Pradesh

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

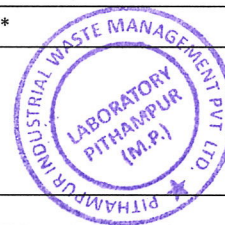
Table 1 - Fugitive Emission Monitoring Result

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

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PIWMPL/LAB/QRF/00/21.07.2022

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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

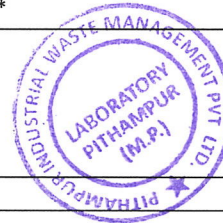
S. No.	Parameters	Unit	Result	Limit	Method of Test
1	Suspended Particulate Matter (SPM)	µg/m ³	483.12	600	PIWMPL/LAB/STP/12, Issue No.1, Issue Date: 22.07.2022

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.
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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

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Site Address:

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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
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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			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

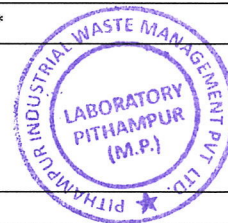
S. No.	Parameters	Unit	Result	Limit	Method of Test
1	Suspended Particulate Matter (SPM)	µg/m3	417.52	600	PIWMPL/LAB/STP/12, Issue No.1, Issue Date: 22.07.2022

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

Page No: 1/1



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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. 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 Secruity 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

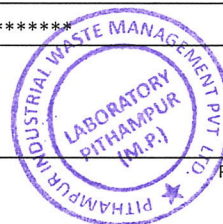
Sl. No	Monitoring Location	Unit	Maximum	Minimum	Result (Leq)	Limit	Method of Test
1	Near Kakra Mine office	dB(A)	55.3	47.8	51.6	NMT 70	IS 9989 :1981
2	Near Secruity Office	dB(A)	57.9	48.2	53.1	NMT 70	IS 9989 :1981
3	Kakra Mine Lease Area (Near Kamtana CAAQMS)	dB(A)	59.6	50.4	55.0	NMT 70	IS 9989 :1981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

Note:-

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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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6. NMT - refers to "Not More Than"

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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- 488441
Madhya Pradesh

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

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 Viillage	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 Viillage	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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