

Ref: JK/CTO-(KONI)/2025-26/17/05

Date- 15.09.2025

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

Subject: **Environment Statement Report (Form-V) for FY. 2024-25 of Koni Simariya Lime Stone Mine of M/s. JK Cement Limited, located at Various khasra at Villages- Koni, Boda & Vanbhai, Tehsil: Simariya Distt: Panna (M.P.)**

Reference No.:

1. Ministry (MoEF&CC) letter no. J-11015/80/2020/IA.II(M) dated 01.11.2021
2. Consent No: AWH-56349 dated 25.07.2022


Dear sir,

With reference to aforesaid subject, please find herewith enclosed Environment Statement Report (Form-V) for FY. 2024-25 of Koni Simariya Lime Stone Mine of M/s. JK Cement Limited, located at Various khasra at Villages- Koni, Boda & Vanbhai, Tehsil: Simariya Distt: Panna (M.P.)

This is for your kind information and record, please.

Thanking you.  
Yours faithfully,

For Koni -Simariya Limestone Mine  
(Unit of JK Cement Limited)

  
Kapil Agrawal  
(Unit Head)  
Encl: As above

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



## Corporate Office

Prism Tower, Ground Floor, Ninaniya Estate,  
Gwal Pahari, Gurugram, Haryana - 122102, India  
+0124-6919000  
admin.prismt@jkcement.com  
www.jkcement.com  
CIN: L17229UP1994PLC017199

**JK SUPER**  
CEMENT  
BUILD SAFE

JKcement  
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White Cement Based Putty

## Manufacturing Units at :

Nimbahera, Mangrol, Gotan (Rajasthan) | Muddapur (Karnataka)  
Jharli (Haryana) | Katni, Panna, Ujjain (M.P.) | Prayagraj, Aligarh,  
Hamirpur (U.P.) | Belasinor (Gujarat) | Fujairah

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

**FORM – V**  
[See Rule 14]

**Environmental Statement for the financial year ending the 31<sup>st</sup> March'2025 (FY: 2024-2025).**  
**Koni-Simariya Limestone Mine (Unit: M/s J K Cement Limited)**

**PART – A**

(i).	Name and address of the owner/ Occupier of the industry/operation or process.	:	<b>Kapil Agrawal</b> Unit Head Koni-Simariya Limestone Mine, M/s. J K Cement Limited, 437 Kh.Nos. of Villages-Koni, Boda &Vanbhai Total 307.6 Hact. Dist: Panna, Tehl : Simariya,
(ii).	Industry Category - Primary (STC Code) / Secondary (STC Code)	:	Read Large Scale
(iii).	Production Capacity Units	:	<b>Mining of Limestone-5.08 Million Ton per year</b> <b>Over Burden (OB)-1.030 Million Ton per year</b> <b>Soil -2.94 Million Ton per year.</b>
(iv).	Year of establish	:	<b>03.05.2022</b>
(v).	Date of the Last Environmental Statement Submitted	:	<b>10.09.2024</b>

**PART – B**

Water & Raw Material Consumption and Limestone production

**A. Water consumption KL/Day**  
**Over All Consumption**

- (i) Process (Dust Suppression at Mines) : **63.5 KL/Day** (Total 23189.8 KL)
- (ii) Cooling : N.A
- (iii) Domestic : **4.50 KL/Day** ( Total 1644.69 KL )

**Consumption per unit of production**

Name of Products	Process water consumption Per unit of product output (KL/MT of Limestone)	
	During the previous Financial year (2023-24)	During the current Financial year (2024-25)
Limestone	<b>0.0040</b>	<b>0.0133</b>

**B. Raw material Consumption**

(*) Name of Raw Materials	Name of Product	Consumption of Raw Material Per unit of product output (KL/MT of Limestone)	
Description		During the previous Financial year (2023-24)	During the current Financial year (2024-25)
Diesel	Limestone	<b>0.00046</b>	<b>0.00076</b>
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 (2023-24)	During the current Financial year (2024-25)
Limestone	<b>3646161</b>	<b>1738752</b>
Over Burden (OB)	<b>0</b>	<b>0</b>
Soil	<b>2339157</b>	<b>1151595</b>

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

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

During the previous Financial year (2023-24)	During the current Financial year (2024-25)
<b>1.31</b>	<b>1.44</b>

**E. Lubrication and Explosive consumption**

(*) Name of Raw Materials	Unit	During the previous Financial year (2023-24)	During the current Financial year (2024-25)
Description			
Diesel	Liters	<b>1694007</b>	<b>1328666.14</b>
Lubricant Oil	Liters	<b>15114</b>	<b>-</b>
Grease	KG	<b>1929</b>	<b>-</b>
AFNO	KG	<b>0</b>	<b>1750</b>
Slurry (Column, Prime, and base)	KG	<b>575075</b>	<b>221425</b>
Electrical Detonators	(In No's)	<b>1037</b>	<b>428</b>
Nonel Detonators	(In No's)	<b>250036</b>	<b>68731</b>
Detonating fuse	(in Mts)	<b>0</b>	<b>0</b>
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 (2023-24)	During the current Financial year (2024-25)
<b>1813739</b>	<b>1014105</b>

### **PART – C**

#### **Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)**

Pollutants	Quantity of pollutants Discharged (Tonne/day)	Concentration of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standards with reasons
(a) Water	Waste water generated from the office toilets is treated into soak pit via septic tank. There is no waste water in mine. Mine's pit water is used for mining activities. Water Quality Analysis report enclosed as <b>Annexure no. 2</b>		
(b) Air	Air monitoring parameters as specified in consent and its percentage of variation from prescribed standards are enclosed as <b>Annexure-3</b> . Noise Monitoring report enclosed as <b>Annexure-4</b>		

### **PART – D**

#### **HAZARDOUS WASTES**

**[As specified under Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016]**

Hazardous Wastes		Total Quantity sold to recycler	
Description		During the previous Financial year (2023-24)	During the current Financial year (2024-25)
(a) From Process	(a) Category 5.1 Used / Spent Oil	<b>0.0</b>	<b>0.0</b>
	(b) Category 5.2 Waste Residue Containing oil	<b>0.0</b>	<b>0.0</b>
	(c) Category 3.3 Sludge& Filters contaminated with oil	<b>0.0</b>	<b>0.0</b>
	(d) Category 33.1 Empty Barrels/containers/liners/contaminated with hazardous chemicals/wastes	<b>0.0</b>	<b>0.0</b>
(b) From Pollution Control Facilities	Nil	No hazardous waste is generated during mining activity.	

### **PART – E**

#### **SOLID WASTES**

Solid Wastes	Total Quantity	
	During the previous Financial year (2023-24)	During the current Financial year (2024-25)
(a) From Process	<b>N.A</b>	<b>N.A</b>
(b) From Pollution Control Facilities	<b>N.A</b>	<b>N.A</b>
(c) Quantity recycled or reutilized		

(i) Within the unit.	N.A	N.A
(ii) Sold	N.A	N.A
(iii) Dispose	Over Burden: - Nil Top Soil: - <b>2339157 MT</b>	Over Burden: - Nil Top Soil: - <b>1151595 MT</b>
*Solid wastes generated in the mine is only top soil, which is non- hazardous.		

### **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

**Solid waste:** No solid waste generated yet

### **PART – G**

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

The company has taken all the possible steps for conservation of natural resources such as advanced fuel efficient HEMM equipment's are deployed, rain water harvested in mining pits and used for dust suppression and for afforestation. Adequate green belt development and plantation is provided within and surrounding mining lease area.

#### **Air-**

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

The following measures are being 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 all the drill machines.
- 2- Regular water sprinkling is being done on haul road during operation.
- 3- Blasting parameters are optimize for proper fragmentation to reduce dust generation.
- 4- Plantation and development of Green Belt is done as per the approved mining plan.

#### **Water:-**

Being Mechanized Limestone mine it requires water mainly for Wet Drilling, Road Spraying and Green Belt Development. The source of water is borewell and the accumulated rainwater in the pit.

#### **Noise:-**

- 1- Geenbelt development for reducing noise.
- 2- PPEs are provided to all workers.

### **PART – H**

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

Company has spared adequate additional investment for green belt development and plantation since inception, year wise plantation detail as given below.

<b>M/s -J K Cement Limited, Koni- Simariya Limestone Mine Panna (M.P.)</b>						
<b>Year wise plantation details</b>						
<b>S.No</b>	<b>Financial Year</b>	<b>Area (in Hectare)</b>	<b>No. of Trees Planted</b>	<b>Survival No's</b>	<b>Survival Rate</b>	<b>Remarks</b>
1	2022-23	4.64	7328	6668	91.0%	
2	2023-24	6.03	13428	12085	90.0%	
3	2024-25	12.88	32200	29302	91.0%	
<b>Total</b>		<b>23.55</b>	<b>52956</b>	<b>48055</b>	<b>90.7%</b>	

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 Koni-Simariya Limestone Mine:**

Our Committed /EAC approved **CER total amount: Rs 1211.0 Lacs as 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> year budget** and we have spent approx. **1070.90 Lakh**. Record is being maintained. Koni Simariya Mine operation start date is 03.05.2022 and all concerned activities will be completed within time. (CER expenditure is given below.)

S.No	Activities	Expenditure Up to March-2025 (in Lakhs)
1	Health (Health, Check-up, Camp, Sports etc.) and Sanitation	167.36
2	Education (Books, Bags, Stationary etc.) and Training	91.51
3	Infrastructure (Road, Community Centers, etc.) Development	711.64
4	Drinking water facilities at community centers	14.55
5	Rainwater Harvesting in villages	-
6	Agriculture Development and Animal Husbandry	1.79
7	Plantation	26.02
8	Local social needs of the community	58.03
<b>Total</b>		<b>1,070.90</b>

## **PART – I**

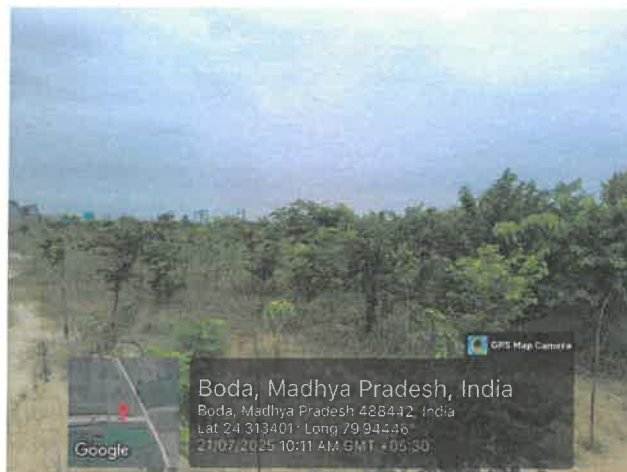
### **Any other particulars for improving the quality of the environment.**

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

#### **Measures taken for Environmental protection and to conserve natural resources:**

- 1- Sprinkling of water for dust suppression round the clock.
- 2- Roads are regularly maintained by deploying motor grader.
- 3- Wet drilling by water injection system.
- 4- Green Belt is being developed as mining plan.
- 5- Environment Monitoring is being done time to time through NABL accredited lab.
- 6- Development of thick green belt around the periphery of the mines.
- 7- Reclamation, Rehabilitation & Restoration by Plantation
- 8- Scheduled maintenance of all HEMM vehicles is being done regularly.
- 9- Use of non-electric initiation system in the blasting operation to reduce air blast & fly rock.
- 10-Daily monitoring of blast induced ground vibration by Seismograph.
- 11-Rain water harvesting in mines sumps.

### **Photographs showing various Environment protection measures at Mines**





## Greenbelt Development along lease Boundary



For providing safe drinking water at Simariya village and Community health centre near by village.



Construction of Bio toilets at Simariya, Koni, and Guda Villages and Installation of 30 security cameras along two key roads: JK Cement Plant to Simariya Road (15 km).

Name: Kapil Agrawal  
Unit Head

(Koni-Simariya Limestone Mine)  
M/s J K Cement Limited, Panna

Date: 15.09.2025



**Annexure-1**

<b>Sr.No</b>	<b>Month</b>	<b>Mining of Limestone Production</b>	<b>Over Burden (OB)</b>	<b>Soil</b>
		<b>(MT)</b>	<b>(MT)</b>	<b>(MT)</b>
1	<b>Apr-24</b>	200216	0	175271
2	<b>May-24</b>	130887	0	152457
3	<b>Jun-24</b>	162546	0	125560
4	<b>Jul-24</b>	196957	0	0
5	<b>Aug-24</b>	17461	0	0
6	<b>Sep-24</b>	1748	0	0
7	<b>Oct-24</b>	44618	0	101600
8	<b>Nov-24</b>	163008	0	119855
9	<b>Dec-24</b>	223322	0	151508
10	<b>Jan-25</b>	212124	0	116935
11	<b>Feb-25</b>	189364	0	94372
12	<b>Mar-25</b>	196499	0	114037
<b>Total</b>		<b>1738752</b>	<b>0</b>	<b>1151595</b>



## TEST REPORT

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

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

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

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

Checked By



RK Yadav  
 Lab Incharge  
 Authorized Signatory

Term & conditions PTO

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

**Vibrant Techno Lab Pvt. Ltd.**

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

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## TEST REPORT

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

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

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

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

Checked By



RK Yadav  
 Lab Incharge  
 Authorized Signatory

Term & conditions PTO

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

**Vibrant Techno Lab Pvt. Ltd.**

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"Experience the unimaginable"

## TEST REPORT

Sample Number:

VTL/ W/01

Name & Address of the Party:

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

Sample Description:

Vibrant Techno Lab Representative

Sample Collected by:

Preservation:

Suitable Preservation

Parameter Required:

As Per Work Order

Sampling Protocol:

APHA 24<sup>th</sup> Edition 1060, 2023

Report No.:

VTL/W/2501230042

Format No.:

7.8 F-01

Party Reference No.:

NIL

Report Date:

28/01/2025

Period of Analysis:

23 to 28/01/2025

Receipt Date:

23/01/2025

Sampling Date:

18/01/2025

Sampling Quantity:

2.0Ltr.+ 250 ml

Sampling Type:

Grab

S.No.	Parameters	Test-Method	Koni Mine (Borewell ) Near Mine Office	Unit	Limits of IS:10500-2012	
					Requirement (Acceptable Limits)	Permissible Limit in the Absence of Alternate Source
1.	pH (at 25°C)	IS 3025 (Part 11) : 2022	7.36	--	6.5 to 8.5	No Relaxation
2.	Colour	IS 3025 (Part 4) : 2021	*BLQ(**LOQ 1.0)	Hazen	5	15
3.	Turbidity	IS 3025 (Part 10) : 2023	*BLQ(**LOQ 1.0)	NTU	1	5
4.	Odour	IS 3025 (Part 5) : 2018	Agreeable	--	Agreeable	Agreeable
5.	Temperature	IS 3025 (Part 9) : 2023	24.5	--	--	--
6.	Total Hardness as CaCO <sub>3</sub>	IS 3025 (Part 21) : 2009, RA : 2019	226.0	mg/l	200	600
7.	Calcium as Ca	IS 3025 (Part 40) : 2024	53.0	mg/l	75	200
8.	Alkalinity as CaCO <sub>3</sub>	IS 3025 (Part 23) : 2023	88.0	mg/l	200	600
9.	Sodium	APHA, 24 <sup>th</sup> Edition, 3500 Na, 2023	73.6	mg/l	--	--
10.	Residual free Chlorine	IS 3025 (Part 26) : 2021 Clause 7.0	*BLQ(**LOQ 0.2)	mg/l	0.2	1
11.	Phosphate	IS 3025 (Part 31)	*BLQ(**LOQ 0.2)	mg/l	--	--
12.	Magnesium as Mg	IS 3025 (Part 46):2023	22.78	mg/l	30	100
13.	Total Dissolved Solids	IS 3025 (Part 16) :2023	648.0	mg/l	500	2000
14.	Sulphate as SO <sub>4</sub>	IS 3025 (Part 24/Sec 1) : 2022 Clause 5.0	9.87	mg/l	200	400
15.	Fluoride as F	APHA, 24 <sup>th</sup> Edition, 4500F-D : 2023	0.41	mg/l	1.0	1.5
16.	Nitrate as NO <sub>3</sub>	IS 3025 (Part 34/Sec 1) : 2023 Clause 6.4	17.52	mg/l	45	No Relaxation
17.	Iron as Fe	APHA 24 <sup>th</sup> Edition, 3111 B, 2023	0.24	mg/l	1.0	No Relaxation
18.	Potassium	APHA 24 <sup>th</sup> Edition, 3500 K, 2023	9.68	mg/l	--	--
19.	Boron	APHA, 24 <sup>th</sup> Edition, 4500 B-C : 2023	*BLQ(**LOQ 0.2)	mg/l	0.5	2.4
20.	Hexavalent Chromium as Cr+6	APHA, 24 <sup>th</sup> Edition, 3500 Cr- B:2023	*BLQ(**LOQ 0.05)	mg/l	0.05	No Relaxation
21.	Nickel	APHA, 24 <sup>th</sup> Edition, 3111 B : 2023	*BLQ(**LOQ 0.01)	mg/l	0.02	No Relaxation
22.	Electrical Conductivity	IS 3025 (Part 14):2013 RA:2019	990	µs/cm	--	--
23.	Zinc as Zn	APHA, 24 <sup>th</sup> Edition, 3111 B : 2023	*BLQ(**LOQ 0.2)	mg/l	5	15
24.	Copper as Cu	APHA, 24 <sup>th</sup> Edition, 3111 B : 2023	*BLQ(**LOQ 0.02)	mg/l	0.05	1.5
26.	Cadmium as Cd	APHA, 24 <sup>th</sup> Edition, 3111 B : 2023	*BLQ(**LOQ 0.002)	mg/l	0.003	No Relaxation
27.	Lead as Pb	APHA, 24 <sup>th</sup> Edition, 3111 B : 2023	*BLQ(**LOQ 0.005)	mg/l	0.01	No Relaxation
28.	Total Coliform	IS 15185 : 2016	Absent	Per 100 ml	Shall not be Detectable in Any 100 ml sample	
29.	E. Coli	IS 15185 : 2016	Absent			

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

Checked By



RK Yadav  
Lab Incharge  
Authorized Signatory

Approved & Certified

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

**Vibrant Techno Lab Pvt. Ltd.**

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## TEST REPORT

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

**Report No.:** VTL/W/2411170042  
**Format No.:** 7.8 F-01  
**Party Reference No.:** NIL  
**Report Date:** 25/11/2024  
**Period of Analysis:** 17 to 25/11/2024  
**Receipt Date:** 17/11/2024  
**Sampling Date:** 16/11/2024  
**Sampling Quantity:** 2.0Ltr.+ 250 ml  
**Sampling Type:** Grab

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

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

Checked By



RK Yadav  
Lab Incharge  
Authorized Signatory

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

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# TEST REPORT

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

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

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

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

Checked By



RK Yadav  
Lab Incharge  
Authorized Signatory

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

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## TEST REPORT

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

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

S.No.	Parameters	Test-Method	Koni Mine (Borewell - 01) Near Mine Office	Unit	Limits of IS:10500-2012	
					Requirement (Acceptable Limits)	Permissible Limit in the Absence of Alternate Source
1.	pH (at 25°C)	IS 3025 (Part 11) : 2022	7.28	--	6.5 to 8.5	No Relaxation
2.	Colour	IS 3025 (Part 4) : 2021	*BLQ(**LOQ 1.0)	Hazen	5	15
3.	Turbidity	IS 3025 (Part 10) : 2023	*BLQ(**LOQ 1.0)	NTU	1	5
4.	Odour	IS 3025 (Part 5) : 2018	Agreeable	--	Agreeable	Agreeable
5.	Temperature	IS 3025 (Part 9) : 2023	24.2	--	--	--
6.	Total Hardness as CaCO <sub>3</sub>	IS 3025 (Part 21) : 2009, RA : 2019	202.0	mg/l	200	600
7.	Calcium as Ca	IS 3025 (Part 40) : 1991, RA : 2019	50.0	mg/l	75	200
8.	Alkalinity as CaCO <sub>3</sub>	IS 3025 (Part 23) : 2023	75.0	mg/l	200	600
9.	Sodium	APHA, 24 <sup>th</sup> Edition, 3500 Na, A+B	58.3	mg/l	--	--
10.	Residual free Chlorine	IS 3025 (Part 26) : 2021 Clause 7.0	*BLQ(**LOQ 0.2)	mg/l	0.2	1
11.	Phosphate	IS 3025 (Part 31)	*BLQ(**LOQ 0.02)	mg/l	--	--
12.	Magnesium as Mg	APHA, 24 <sup>th</sup> Edition, 3500 Mg B, Calculation Method	18.77	mg/l	30	100
13.	Total Dissolved Solids	IS 3025 (Part 16) : 2023	570.0	mg/l	500	2000
14.	Sulphate as SO <sub>4</sub>	IS 3025 (Part 24/Sec 1) : 2022 Clause 5.0	6.15	mg/l	200	400
15.	Fluoride as F	APHA, 24 <sup>th</sup> Edition, 4500F-D : 2023	0.36	mg/l	1.0	1.5
16.	Nitrate as NO <sub>3</sub>	IS 3025 (Part 34/Sec 1) : 2023 Clause 6.4	15.42	mg/l	45	No Relaxation
17.	Iron as Fe	APHA 24 <sup>th</sup> Edition, 3111 B, 2023	0.22	mg/l	1.0	No Relaxation
18.	Potassium	APHA 24 <sup>th</sup> Edition, 3500 K, A+B	7.95	mg/l	--	--
19.	Boron	APHA, 24 <sup>th</sup> Edition, 4500 B-C : 2023	*BLQ(**LOQ 0.2)	mg/l	0.5	2.4
20.	Hexavalent Chromium as Cr+6	APHA, 24 <sup>th</sup> Edition, 3500 Cr- B	*BLQ(**LOQ 0.02)	mg/l	0.05	No Relaxation
21.	Nickel	APHA, 24 <sup>th</sup> Edition, 3111 B : 2023	*BLQ(**LOQ 0.01)	mg/l	0.02	No Relaxation
22.	Electrical Conductivity	IS 3025 (Part 14)	870	µs/cm	--	--
23.	Zinc as Zn	APHA, 24 <sup>th</sup> Edition, 3111 B : 2023	*BLQ(**LOQ 0.2)	mg/l	5	15
24.	Copper as Cu	APHA, 24 <sup>th</sup> Edition, 3111 B : 2023	*BLQ(**LOQ 0.02)	mg/l	0.05	1.5
26.	Cadmium as Cd	APHA, 24 <sup>th</sup> Edition, 3111 B : 2023	*BLQ(**LOQ 0.002)	mg/l	0.003	No Relaxation
27.	Lead as Pb	APHA, 24 <sup>th</sup> Edition, 3111 B : 2023	*BLQ(**LOQ 0.005)	mg/l	0.01	No Relaxation
28.	Total Coliform	IS 15185 : 2016, RA 2021	Absent	Per 100 ml	Shall not be Detectable in Any 100 ml sample	
29.	E. Coli	IS 15185 : 2016, RA 2021	Absent			

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

Checked By

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



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Lab Incharge  
Authorized Signatory

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M/s -J K Cement Limited, Koni- Simariya Limestone Mine Panna (M.P.)				
AMBIENT AIR QUALITY AT MINE (CORE ZONE) (2024-25)				
Area	Description	Permissible Limit ( $\mu\text{g}/\text{m}^3$ )	Average	% variation from limit
Near CAAQMS (Mine site)	PM <sub>10</sub>	60	47.03	21.62
	PM <sub>2.5</sub>	40	26.53	33.68
	SO <sub>2</sub>	50	7.90	84.21
	NO <sub>2</sub>	40	16.73	58.18
Near Mine office	PM <sub>10</sub>	60	49.05	18.25
	PM <sub>2.5</sub>	40	27.56	31.09
	SO <sub>2</sub>	50	7.32	85.35
	NO <sub>2</sub>	40	16.24	59.41
Near Mine Pit-1	PM <sub>10</sub>	60	48.91	18.49
	PM <sub>2.5</sub>	40	27.65	30.87
	SO <sub>2</sub>	50	7.67	84.65
	NO <sub>2</sub>	40	16.35	59.13

M/s - J K Cement Limited, Koni- Simariya Limestone Mine Panna (M.P.)				
AMBIENT AIR QUALITY AT MINE (BUFFER ZONE)				
(Year 2024-25)				
Area	Description	Permissible Limit ( $\mu\text{g}/\text{m}^3$ )	Average	% variation from limit
Kolkaraiya Village	PM <sub>10</sub>	60	44.07	26.56
	PM <sub>2.5</sub>	40	24.34	39.15
	SO <sub>2</sub>	50	7.68	84.64
	NO <sub>2</sub>	40	15.62	60.95
Tighara Village	PM <sub>10</sub>	60	46.77	22.04
	PM <sub>2.5</sub>	40	25.82	35.45
	SO <sub>2</sub>	50	7.61	84.78
	NO <sub>2</sub>	40	15.71	60.72
Boda Village	PM <sub>10</sub>	60	49.19	18.01
	PM <sub>2.5</sub>	40	27.14	32.15
	SO <sub>2</sub>	50	7.33	85.35
	NO <sub>2</sub>	40	16.21	59.48
Purwa Village	PM <sub>10</sub>	60	48.38	19.36
	PM <sub>2.5</sub>	40	26.55	33.62
	SO <sub>2</sub>	50	7.66	84.69
	NO <sub>2</sub>	40	14.96	62.59
Ganiyari Village	PM <sub>10</sub>	60	52.60	12.34
	PM <sub>2.5</sub>	40	29.20	27.01
	SO <sub>2</sub>	50	7.98	84.04
	NO <sub>2</sub>	40	15.12	62.20
Simariya Village	PM <sub>10</sub>	60	47.50	20.83
	PM <sub>2.5</sub>	40	26.26	34.36
	SO <sub>2</sub>	50	8.06	83.89
	NO <sub>2</sub>	40	16.28	59.29



TEST REPORT

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

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

General Information:-

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

S. No.	Location	Date	Test Parameter	Test Result dB (A)	
				Day Time	Night Time
1	Near Koni Mine Office	13-14/11/2024	Leq	54.6	43.2
2	Near Security Office	13-14/11/2024	Leq	61.8	52.6
3	Near Koni Mine Crusher	13-14/11/2024	Leq	52.1	41.7
4	Near Koni mine Weigh Bridge	13-14/11/2024	Leq	56.4	42.9
5	Near Koni Mine Pit -01	13-14/11/2024	Leq	59.0	51.5
6	Near Koni Mine Pit -02	14-15/11/2024	Leq	61.7	43.2
7	Near Koni Mine Pit -03	14-15/11/2024	Leq	63.3	44.5
8	Boda Village	14-15/11/2024	Leq	51.9	38.7
9	Boda Village School	14-15/11/2024	Leq	52.4	40.9

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

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

Checked By



RK Yadav  
 Lab Incharge  
 Authorized Signatory

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

Vibrant Techno Lab Pvt. Ltd.

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## TEST REPORT

Sample Number:

VTL/ N/01-06

Name & Address of Party:

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

Sample Description :

Ambient Noise Level Monitoring

Report No.:

VTL/N/2411170039-44

Format No.:

7.8 F-04

Party Reference No.:

NIL

Report Date:

25/11/2024

Receipt Date:

17/11/2024

### General Information:-

Sample collected by

: VTL Team

Instrument Used

: Sound Level Meter

Instrument Calibration Status

: Calibrated

Instrument Code

: VTL/SLM/01-03

Meteorological condition during monitoring

: Clear Sky

Scope of Monitoring

: Regulatory Requirement

Sampling & Analysis Protocol

: IS 9989-1981 RA: 2020

Parameter Required

: As per Work Order

S. No.	Location	Date	Test Parameter	Test Result dB (A)	
				Day Time	Night Time
1	Suhwani Kalan Village	13-14/11/2024	Leq	52.3	43.5
2	Simariya Village	13-14/11/2024	Leq	50.8	41.9
3	Tighara Village	13-14/11/2024	Leq	48.7	39.4
4	Kholkaahiya Village	14-15/11/2024	Leq	50.2	42.5
5	Garhi Karhiya Village	14-15/11/2024	Leq	47.9	38.4
6	Khamagaur Village	14-15/11/2024	Leq	51.1	43.0

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

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

Checked By



RK Yadav  
Lab Incharge  
Authorized Signatory

Approved & Certified

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

**Vibrant Techno Lab Pvt. Ltd.**

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

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"Experience the unimaginable"

## TEST REPORT

Sample Number: VTL/ N/01-06  
Name & Address of Party: M/s JK Cement Works, Panna  
(A Unit Of JK Cement Ltd.) Koni-Simariya  
Limestone Mine Village-Harduwaken Tehsil-  
Amanganj PIN-488441 Dist-Panna  
Sample Description : Ambient Noise Level Monitoring  
Report No.: VTL/N/2503010024-29  
Format No.: 7.8 F-04  
Party Reference No.: NIL  
Report Date: 05/03/2025  
Receipt Date: 01/03/2025

### General Information:-

Sample collected by : VTL Team  
Instrument Used : Sound Level Meter  
Instrument Calibration Status : Calibrated  
Instrument Code : VTL/SLM/01-03  
Meteorological condition during monitoring : Clear Sky  
Scope of Monitoring : Regulatory Requirement  
Sampling & Analysis Protocol : IS 9989-1981 RA: 2020  
Parameter Required : As per Work Order

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

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## TEST REPORT

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

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

### General Information:-

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

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

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

1. Day Time is from 6.00 AM to 10.00 PM.  
 2. Night Time is reckoned between 10.00 PM to 6.00 AM.  
 3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.  
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