

**JK Cement Works, Ujjain**

(A Unit of JK Cement Ltd.)

GST No.:23AABCJ0355R3ZD

Khasra Nos.:25,36,37,38&amp;Ors., Village:Madhavgarh

Tehsil: Ghatiya, Nagda - Ujjain Highway, Dist: Ujjain

State: Madhya Pradesh, Pin Code:456003

To,

Date-30.07.2025

The Regional Officer, MP Pollution Control Board, Bharatpuri, Ujjain (MP), E-mail: [ropcb-ujjain@mp.gov.in](mailto:ropcb-ujjain@mp.gov.in)**Sub: - Environment Statement Report (Form-V) for FY- 2024-25, for JK CEMENT WORKS, UJJAIN (A UNIT OF JK CEMENT LIMITED), Village- Madhavgarh, The- Ghatiya, Dist- Ujjain.****Ref- Consent to operate No.: CTO --62371, Outward No- 122968,19/06/2025**  
**Consent to operate No. :CTO -60801, Outward No-121033,30/07/2024**

Dear sir,

With reference to the above-mentioned subject matter please find the enclosed herewith Environment Statement Report, Form-V of JK CEMENT LIMITED, UJJAIN for FY-2024-25 for your reference and record."

Thanking you and with regards,  
For, J.K. Cement Works, Ujjain(Khemendra Singh)  
(Unit Head)

Encl.: As above

Cc to: -

The Member Secretary,  
M.P. SEIAA, Paryavaran Parisar, E-5, Arera Colony,  
BHOPAL-462 016, E-mail: [mpseiaa@gmail.com](mailto:mpseiaa@gmail.com)

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CIN: L17229U1994PLC017199

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## **ENVIRONMENTAL STATEMENT**

### **FORM - V**

Environmental Statement for the financial year 2024- 25, ending the 31<sup>st</sup> March' 2025

### **PART-A**

i. Name an address of the owner/occupier of the industry operation or process	J.K. Cement Works, (A Unit of JK Cement Limited) Village: Madhavgarh, Tehsil: Ghatiya, District: Ujjain (Madhya Pradesh)
ii. Industry category Primary - (STC Code) Secondary - (STC Code)	Primary
iii. Production capacity 1. Cement	1.5 MTPA
iv. Year of establishment- (UNIT WISE)	Year- 2023
v. Date of last environmental statement submitted	28.09.2024

### **PART-B**

#### **WATER AND RAW MATERIAL CONSUMPTION**

i. **WATER CONSUMPTION** (in m3/day)

Process : 23.4 m3/day

Domestic : 2.39 m3/day

Name of products	Process water consumption per unit of products	
	During the previous financial year (2023-24) (KL/MT)	During the current financial year (2024-25) (KL/MT)
1. Cement	0.025	0.014

ii. **RAW MATERIAL CONSUMPTION**

Name of raw material	Name of products	Consumption of raw material per unit of output	
		During the previous financial year (2023-24)	During the current financial year (2024-25)
Clinker	Cement	0.60	0.586
Gypsum		0.32	0.096
Fly ash		0.08	0.318

**PART-C**

**POLLUTION DISCHARGE TO ENVIRONMENT / UNIT OF OUTPUT**

Pollutants	Quantity of pollutants discharged (Ton/Day)	Concentration of pollutants in discharge (mg/Nm3)	Percentage of variation from prescribed standards with reasons
(a) Water	Cement plant is being operated on dry process technology; hence no liquid effluent is generated. Domestic wastewater generated from the office toilet and canteen is being treated in sewage treatment plant and treated water is being reused in plantation and horticulture. STP treated water analysis report is attached as <b>Annexure-I</b>		
(b) Air	1. Stack Emission Monitoring Report is attached as <b>Annexure- II</b> . 2. Ambient Air Monitoring Report is attached as <b>Annexure- III</b> . 3. Ambient Air Noise Monitoring Report is attached as <b>Annexure- IV</b> .		

**PART-D**

(As specified under Hazardous & Other Waste Management Rules' 2016)

Hazardous waste	Total Quantity	
	During previous financial year (2023-24) (MT)	During current financial year (2024-25) (MT)
(a) From Process	0	Used Oil- 3.520 MT
(b) From Pollution Control facilities	Not applicable	Not applicable

\* Hazardous waste generated will be sold to authorized recyclers authorized by CPCB.

**PART-E**  
**SOLID WASTE**

Source	Total Quantity	
	During previous financial year (2023-24) (MT/Year)	During current financial year (2024-25) (MT/Year)
(a) From process	0	0
(b) From pollution control facility	Dust collected in bag house and bag filters are recycled into the system	Dust collected in bag house and bag filters are recycled into the system NA
(c) Quantity rejected or reutilized with in the unit	100%	100%

#### Other Solid Waste

<u>Name of solid waste</u>	Total Quantity	
	During previous financial year (2023-24) (MT/Year)	During current financial year (2024-25) (MT/Year)
Metal Scrap	99.12	216.68
Plastic Scrap	0	0
Empty Drums	20	0
Wooden scrap	60	60.06
Cable scrap	10	9.2
Paper Waste	1.84	17.51
Torn PP Bags & other misc. Plastic Waste	20.21	25.19
E-waste (Old computers, printers, circuit boards etc.)	0	0
Spent Batteries	0	0
Filter bags scrap	0	0
Cotton waste/cotton rags	0.002	0

#### PART-F

PLEASE SPECIFY THE CHARACTERISATIONS (IN TERMS OF COMPOSITION AND QUANTUM) OF HAZARDOUS AS WELL AS WASTES AND INDICATE DISPOSAL PRACTICE ADOPTED FOR BOTH THESE CATEGORIES OF WASTES.

- 1) Hazardous waste generated in the form of used / spent oil, waste / residue containing oil, empty barrels/containers/liners contaminated with hazardous chemicals/wastes, contaminated cotton rags or other cleaning materials which is stored in barrels at safe & dedicated area and will be sold to recycler approved by Central Pollution Control Board.
- 2) Dust collected from pollution control equipment's (i.e. from Bag house and Bag filter) is totally recycled in the process.

### **PART-G**

#### **IMPACT OF THE POLLUTION ABATEMENT MEASURES TAKEN ON CONSERVATION OF NATURAL RESOURCES AND ON THE COST OF PRODUCTION.**

Cement manufacturing is a dry process technology; hence no effluent is generated from process. Which is cost effective and environmentally clean technology. The advantage of dry process is also in fuel economy. The stack emissions from the plant are controlled by equipment like Bag filters installed at various material transfer points to arrest the fugitive emissions. The particulate matter collected from the pollution control equipment is recycled in process and optimizing the cost of operation of pollution control equipment, conserving natural raw material and hence no impact on the environment.

### **PART-H**

#### **ADDITIONAL MEASURES / INVESTMENT PROPOSALS FOR ENVIRONMENTAL PROTECTION INCLUDING ABATEMENT POLLUTION, PREVENTION OF POLLUTION.**

- 1) Closed clinker storage silo constructed to reduce the fugitive dust emission, with High efficiency Bag filters.
- 2) Fly ash stored in closed silo constructed to reduce the fugitive dust emission, with High efficiency Bag filters.

### **PART-I**

#### **ANY OTHER PARTICULARS FOR IMPROVING THE QUALITY OF ENVIRONMENT**

- 1) Monitoring of stack emission and Ambient Air Quality and Water Quality is being done regularly as mentioned in consent to operate.
- 2) Ambient Air Quality Monitoring Stations (03 Nos.) have been installed at periphery of the plant. Also 01 nos. CAAQMS installed at plant periphery.
- 3) Continuous Emission Monitoring Systems (CEMS) for PM have been installed at stack of cement mill and real time data transfer to CPCB server.
- 4) Bag filters (25 Nos) have been installed at various material transfer points to control fugitive emission and 01 No. Bag House has been installed at Cement Mill.
- 5) Cement is being manufactured in dry process and there is no any effluent generated from the process hence maintaining Zero Liquid Discharge (ZLD) unit.
- 6) Fly ash purchased from nearby thermal power plant and use for cement production.
- 7) Raw materials are stored in covered shed, product in closed silo with highly efficient bag filters for fugitive dust emission control.
- 8) Proper Housekeeping and cleaning are being done with the help of road sweeping machines.
- 9) Cover shed Constructed to store the raw material, to avoid fugitive emission. Finish product stored in closed silo.

- 10) All Belt Conveyor belt is fully covered & also installed Bag filter at all material transfer points
- 11) Cemented road constructed to avoid fugitive dust generation during the movement of vehicle.
- 12) Ground water level monitoring is being done.
- 13) Industry has constructed 04 Nos. of rainwater harvesting structures in plant & nearby Villages to recharge ground water.
- 14) A total of 5,033 plants planted till March - 2025 and 2.6 hac under green belt.

Yours faithfully,  
For JK Cement Works, Ujjain



Authorized signatory





# S AND R ENVIROLAB LLP

NABL Accredited, CPCB (MOEF & CC) Recognized Testing Laboratory  
(ISO 9001 | ISO 14001 | OHSAS 45001 Certified Laboratory)



TC-11493

## TEST REPORT

Annexure-1

Page : 1 of 1

Issued to: M/S JK Cement LTD, UJJAIN  
(A Unit of JK Cement Ltd.)  
Village-Madhavgarh, Tehsil- Ghatiya,  
Nagda, Distt. Ujjain (MP) Pin.-456003

ULR No. : TC114932500000335F  
Test Report No. : SREL/E/22032025002  
Sample I.D. : SREL/WW/22032025002  
Sample Received : 22/03/2025  
Date of Issue : 26/03/2025  
Reference No. : TRF

### (1) SAMPLE PARTICULARS

- (a) Name of the sample : Waste Water
- (b) Sample description : Sewage water before treatment
- (c) Sample Quantity : 1 + 2 Litre
- (d) Sample Pkg. Condition : Plastic Cane+ Glass Bottle

### (2) Details of sampling

- (a) Date of sampling : 20/03/2025
- (b) Time of sampling : 11:20 Hrs.
- (c) Sampling Protocol : IS 17614 (P-3)
- (d) Equipment Used : N.A.
- (e) Sample Collected By : SREL
- (f) Sampling Location: STP Inlet

## TEST RESULTS

Test Started on : 22/03/2025

Test Completed on : 26/03/2025

S.No.	Parameters	Units	Results	Test Method
1	pH at 25°C	--	6.90	APHA 4500H+-B, 24th Edi 2023
2	Total Suspended Solid	mg/l	306	APHA 2540-D, 24th Edi 2023
3	Biochemical Oxygen Demand for 3 days at 27°C	mg/l	141	IS : 3025 P-44, 2023
4	Chemical Oxygen Demand	mg/l	355	APHA 5220-B, 24th Edi 2023
5	Oil & Grease	mg/l	12.6	APHA 5520-B, 24th Edi 2023
6	Total Nitrogen (TKN)	mg/l	42.4	APHA 4500 -N-B, 24th Edi 2023
7	Phosphate (as P)	mg/l	6.8	APHA 4500 -D, 24th Edi 2023

Remark : NA  
Opinion/Interpretation

\*\*\*End of Report\*\*\*

#### Note:-

- \* The results listed refer only to the tested sample and applicable parameter.
- \* This report, in full or in part, shall not be used for advertising or as evidence in any court of law.
- \* This report can not be reproduced, except when in full, without the written permission of the Director.
- \* The sample will be destroyed after three weeks from the date of issue of the test report.  
(in case of non-perishable products only)

Checked By  
Dr. Ramesh Chandra Tripathi  
Quality Manager



Authorized Signatory  
Anjali Gupta  
Technical Manager



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## TEST REPORT

Page : 1 of 1

Issued to: M/S JK Cement LTD, UJJAIN  
(A Unit of JK Cement Ltd.)  
Village-Madhavgarh, Tehsil- Ghatiya,  
Nagda, Distt. Ujjain (MP) Pin.-456003

Test Report No. : SREL/E/22032025002  
Sample I.D. : SREL/WW/22032025002  
Sample Received : 22/03/2025  
Date of Issue : 26/03/2025  
Reference No. : TRF

### (1) SAMPLE PARTICULARS

- (a) Name of the sample :Waste Water
- (b) Sample description :Sewage water before treatment
- (c) Sample Quantity : 1 +2Litre
- (d) Sample Pkg. Condition : Plastic Cane+ Glass Bottle

### (2) Details of sampling

- (a) Date of sampling : 20/03/2025
- (b) Time of sampling : 11:20 Hrs.
- (c) Sampling Protocol : IS 17614 (P-3)
- (d) Equipment Used : N.A.
- (e) Sample Collected By : SREL
- (f) Sampling Location: STP Inlet

## TEST RESULTS

Test Started on : 22/03/2025

Test Completed on : 26/03/2025

S.No.	Parameters	Units	Results	Test Method
1	Faecal coliform	MPN/100ml	>1600	IS 1622 1981

Remark : NA  
Opinion/Interpretation

\*\*\*End of Report\*\*\*

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*Anjali*  
Checked By  
Anjali Gupta  
Technical Manager



*Ramesh Chandra*  
Authorized Signatory  
Dr. Ramesh Chandra  
Quality Manager







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TC-11493

## TEST REPORT

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Issued to: M/S JK Cement LTD, UJJAIN  
(A Unit of JK Cement Ltd.)  
Village-Madhavgarh, Tehsil- Ghatiya,  
Nagda, Distt. Ujjain (MP) Pin.-456003

ULR No. : TC114932500000336F  
Test Report No. : SREL/E/22032025003  
Sample I.D. : SREL/WW/22032025003  
Sample Received : 22/03/2025  
Date of Issue : 26/03/2025  
Reference No. : TRF

### (1) SAMPLE PARTICULARS

- (a) Name of the Sample :Waste Water  
(b) Sample Description : Sewage water after treatment  
(c) Sample Quantity : 1 + 2 Litre  
(d) Sample Pkg. Condition : Plastic Cane+ Glass Bottle

### (2) Details of sampling

- (a) Date of sampling : 20/03/2025  
(b) Time of sampling : 11:50 Hrs.  
(c) Sampling Protocol :IS 17614 (P-3)  
(d) Equipment Used : N.A.  
(e) Sample Collected By :SREL  
(f) Sampling Location: STP Outlet

## TEST RESULTS

Test Started on : 22/03/2025

Test Completed on : 26/03/2025

S.No.	Parameters	Units	Results	Specification/ Requirement (As per CPCB)	Test Method
1	pH at 25°C	--	7.36	6.5-9.0	APHA 4500H+-B, 24th Edi 2023
2	Total Suspended Solid	mg/l	16.8	50	APHA 2540-D, 24th Edi 2023
3	Biochemical Oxygen Demand for 3 days at 27°C	mg/l	9.0	20	IS : 3025 P-44, 2023
4	Chemical Oxygen Demand	mg/l	40	250	APHA 5220-B, 24th Edi 2023
5	Oil & Grease	mg/l	BDL(DL-3.0)	10	APHA 5520-B, 24th Edi 2023
6	Total Nitrogen (TKN)	mg/l	5.6	100	APHA 4500 -N-B, 24th Edi 2023
7	Phosphate (as P)	mg/l	0.76	5.0	APHA 4500 -D, 24th Edi 2023

\*BDL= Below detection limit, DL= Detection limit

Remark : NA

Opinion/Interpretation

\*\*\*End of Report\*\*\*

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Checked By  
Dr. Ramesh Chandra Tripathi  
Quality Manager



Authorized Signatory  
Anjali Gupta  
Technical Manager



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## TEST REPORT

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Village-Madhavgarh, Tehsil- Ghatiya,  
Nagda, Distt. Ujjain (MP) Pin.-456003

Test Report No. : SREL/E/22032025003  
Sample I.D. : SREL/WWW/22032025003  
Sample Received : 22/03/2025  
Date of Issue : 26/03/2025  
Reference No. : TRF

### (1) SAMPLE PARTICULARS

- (a) Name of the sample :Waste Water
- (b) Sample description : Sewage water after treatment
- (c) Sample Quantity : 1 + 2 Litre
- (d) Sample Pkg. Condition : Plastic Cane+ Glass Bottle

### (2) Details of sampling

- (a) Date of sampling : 20/03/2025
- (b) Time of sampling : 11:50 Hrs.
- (c) Sampling Protocol :IS 17614 (P-3)
- (d) Equipment Used : N.A.
- (e) Sample Collected By :SREL
- (f) Sampling Location: STP Outlet

## TEST RESULTS

Test Started on : 22/03/2025

Test Completed on : 26/03/2025

S.No.	Parameters	Units	Results	Specification/ Requirement (As per CPCB)	Test Method
1	Faecal coliform	MPN/100ML	120	1000	IS 1622:1981

Remark : NA  
Opinion/Interpretation

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Checked By  
Anjali Gupta  
Technical Manager



  
Authorized Signatory  
Dr. Ramesh Chandra  
Quality Manager  






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TC-11493

## TEST REPORT

Annexure-2

Page : 1 of 1

Issued to: M/S JK Cement LTD, UJJAIN  
(A Unit of JK Cement Ltd.)  
Village-Madhavgarh, Tehsil- Ghatiya,  
Nagda, Distt. Ujjain (MP) Pin.-456003

ULR No. : TC11493250000347F  
Test Report No. : SREL/E/22032025014  
Sample I.D. : SREL/SE/22032025014  
Sample Received : 22/03/2025  
Date of Issue : 26/03/2025  
Reference No. : TRF

## SAMPLE PARTICULARS

Name of the Sample	: Stack Emission Monitoring	6. Attached APCS	: Bag House
1. Stack Attached To	: Bag House – Cement Mill	7. Stack Height above	: 43.0
2. Capacity	: 270 TPH	Ground level (meter)	
3. Type of Fuel Used	: Briquettes	8. Stack Height above	: NA
4. Type of Chimney	: MS	Roof Top (meter)	
5. Purpose of Monitoring	: As per Compliance requirement	9. Diameter of Stack (mm)	: 2300

## Details of Sampling

10. Date of Sampling	: 19/03/2025
11. Sampling Protocol	: IS : 11255 P-1
12. Equipment Used	: Envirotech (VSS-1)
13. Sampling Done By	: SREL
14. Duration of Sampling	: 52 minutes
15. Sampling Location	: From Port Hole

## Physical Observation

(a) Ambient temperature (°C)	: 26
(b) Stack Temperature (°C)	: 80
(c) Velocity (m/sec.)	: 7.96
(d) Sampling Flow Rate For Gaseous	: 2.6LPM
(e) Sampling Flow Rate For PM	: 28.0LPM
(f) Quantity of Emission (Nm <sup>3</sup> / Hr.)	: 100457.50

## TEST RESULTS

Test Started on: 22/03/2025

Test Completed on : 26/03/2025

Sr. No.	Parameters	Units	Results	Specification/Requirement (As per CPCB )	Test Method
1.	Particulate Matter (PM)	mg/Nm <sup>3</sup>	5.6	30	IS : 11255 P-1,1985

Remark : NA

Opinion/Interpretation

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Checked By  
Dr. Ramesh Chandra Tripathi  
Quality Manager



Authorized Signatory  
Ranbir Singh  
Director- Technical



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## TEST REPORT

Annexure-3

Page : 1 of 1

Issued to: M/S JK Cement LTD, UJJAIN  
(A Unit of JK Cement Ltd.)  
Village-Madhavgarh, Tehsil- Ghatiya,  
Nagda, Distt. Ujjain (MP) Pin.-456003

ULR No. : TC114932500000337F  
Test Report No. : SREL/E/22032025004  
Sample I.D. : SREL/AA/22032025004  
Sample Received : 22/03/2025  
Date of Issue : 26/03/2025  
Reference No. : TRF

## SAMPLE PARTICULARS

Name of the Sample	: Ambient Air Quality Monitoring	Physical Observation
Details of Sampling		(a) Ambient temp.(Min/Max) : 14°C/30°C
1. Date of Sampling	: 19/03/2025 to 20/03/2025	(b) Weather Cond. : Clear
2. Sampling Protocol	: IS:5182(P-14)	(c) Wind Direction : West to East
3. Equipment Used	: RDS&PM 2.5 Sampler	(d) Sampling Flow Rate For Gases LPM : 0.5
4. Sampling Done By	: SREL	(e) Sampling Flow Rate For RSPM/ PM-10 (Ave.) m <sup>3</sup> /min. : 1.225
5. Duration of Sampling	: 24 Hrs.	
6. Sampling Location	: Near Weigh bridge Area	

## TEST RESULTS

Test Started on:22/03/2025

Test Completed on:26/03/2025

S.No.	Parameters	Units	Results	NAAQS Limit	Test Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	59.2	100.0	IS : 5182 P-23,2006
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	38.0	60.0	IS : 5182 P-24,,2022
3.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	24.0	80.0	IS : 5182 P-6,2006
4.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	7.6	80.0	IS : 5182 P-2,sec-1 2023

Remark : \*NAAQS- National Ambient Air Quality Standard Schedule -VII [Rule 3 (3B)], [Part -II-sec-3(i)] 18.11.2009  
Opinion/Interpretation

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Checked By  
Dr. Ramesh Chandra Tripathi  
Quality Manager



Authorized Signatory  
Ranbir Singh  
Director- Technical





# S AND R ENVIROLAB LLP

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TC-11493

## Annexure-3

### TEST REPORT

Page : 1 of 1

Issued to: M/S JK Cement LTD, UJJAIN  
(A Unit of JK Cement Ltd.)  
Village-Madhavgarh, Tehsil- Ghatiya,  
Nagda, Distt. Ujjain (MP) Pin.-456003

ULR No. : TC114932500000338F  
Test Report No. : SREL/E/22032025005  
Sample I.D. : SREL/AA/22032025005  
Sample Received : 22/03/2025  
Date of Issue : 26/03/2025  
Reference No. : TRF

### SAMPLE PARTICULARS

Name of the Sample	: Ambient Air Quality Monitoring	Physical Observation
Details of Sampling		(a) Ambient temp. (Min/Max) : 14°C/30°C
1. Date of Sampling	: 19/03/2025 to 20/03/2025	(b) Weather Cond. : Clear
2. Sampling Protocol	: IS:5182(P-14)	(c) Wind Direction : West to East
3. Equipment Used	: RDS&PM 2.5 Sampler	(d) Sampling Flow Rate For Gases LPM : 0.5
4. Sampling Done By	: SREL	(e) Sampling Flow Rate For RSPM/ : 1.225
5. Duration of Sampling	: 24 Hrs.	PM-10 (Ave.)m <sup>3</sup> /min
6. Sampling Location	: Near Gate no. 2 (Truck Parking area)	

### TEST RESULTS

Test Started on : 22/03/2025

Test Completed on : 26/03/2025

S.No.	Parameters	Units	Results	NAAQS Limit	Test Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	66.1	100.0	IS : 5182 P-23,2006
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	45.4	60.0	IS : 5182 P-24,2022
3.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	27.0	80.0	IS : 5182 P-6,2006
4.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	8.8	80.0	IS : 5182 P-2,sec-1 2023

Remark : NAAQS- National Ambient Air Quality Standard Schedule -VII [Rule 3 (3B)], [Part -II-sec-3(i)] 18.11.2009  
Opinion/Interpretation

\*\*\*End of Report\*\*\*

Note:-

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- \* The sample will be destroyed after three weeks from the date of issue of the test report.  
(in case of non-perishable products only)

Checked By  
Dr. Ramesh Chandra Tripathi  
Quality Manager



Authorized Signatory  
Ranbir Singh  
Director- Technical







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TC-11493

## Annexure-3

### TEST REPORT

Page : 1 of 1

Issued to: M/S JK Cement LTD, UJJAIN  
(A Unit of JK Cement Ltd.)  
Village-Madhavgarh, Tehsil- Ghatiya,  
Nagda, Distt. Ujjain (MP) Pin.-456003

ULR No. : TC114932500000339F  
Test Report No. : SREL/E/22032025006  
Sample I.D. : SREL/AA/22032025006  
Sample Received : 22/03/2025  
Date of Issue : 26/03/2025  
Reference No. : TRF

### SAMPLE PARTICULARS

Name of the Sample : Ambient Air Quality Monitoring

#### Details of Sampling

1. Date of Sampling : 19/03/2025 to 20/03/2025
2. Sampling Protocol : IS:5182(P-14)
3. Equipment Used : RDS&PM 2.5 Sampler
4. Sampling Done By : SREL
5. Duration of Sampling : 24 Hrs.
6. Sampling Location : Back side Nursery area

#### Physical Observation

- (a) Ambient temp.(Min/Max) : 14°C/30°C
- (b) Weather Cond. : Clear
- (c) Wind Direction : West to East
- (d) Sampling Flow Rate For Gases LPM : 0.5
- (e) Sampling Flow Rate For RSPM/ PM-10 (Ave.)m<sup>3</sup>/min : 1.225

### TEST RESULTS

Test Started on : 22/03/2025

Test Completed on : 26/03/2025

S.No.	Parameters	Units	Results	NAAQS Limit	Test Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	56.2	100.0	IS : 5182 P-23,2006
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	33.5	60.0	IS : 5182 P-24,,2022
3.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	22.8	80.0	IS : 5182 P-6,2006
4.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	6.9	80.0	IS : 5182 P-2,sec-1 2023

Remark : "NAAQS- National Ambient Air Quality Standard Schedule -VII [Rule 3 (3B)], [Part -II-sec-3(i)] 18.11.2009  
Opinion/Interpretation

\*\*\*End of Report\*\*\*

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*Dr. Ramesh Chandra Tripathi*  
Checked By

Dr. Ramesh Chandra Tripathi  
Quality Manager



*Ranbir Singh*  
Authorized Signatory  
Ranbir Singh  
Director- Technical





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TC-11493

## TEST REPORT

Annexure-4

Page : 1 of 1

Issued to: M/S JK Cement LTD, UJJAIN  
(A Unit of JK Cement Ltd.)  
Village-Madhavgarh, Tehsil- Ghatiya,  
Nagda, Distt. Ujjain (MP) Pin.-456003

ULR No. : TC114932500000340F  
Test Report No. : SREL/E/22032025007  
Sample I.D. : SREL/AN/22032025007  
Sample Received : 22/03/2025  
Date of Issue : 26/03/2025  
Reference No. : TRF

## SAMPLE PARTICULARS

Name of the Sample : Ambient Noise Level Testing

### Details of Sampling

1. Date & Time of Sampling : 19/03/2025 AT 10:35 Hrs. To 20/03/2025 10:35 Hrs.
2. Sampling Protocol : IS : 9989
3. Equipment Used : Sound Level Meter
4. Sampling Done By : SREL
5. Duration of Sampling : 24 Hrs.
6. Sampling Location : Near Main Gate

## TEST RESULTS

Test Started on : 22/03/2025

Test Completed on : 26/03/2025

S.No.	Parameters	Units	Test Results	Specification /Requirements (As per CPCB)	Test Method
1.	Leq Value (Day Time)	dB(A)	63.9	75.0	IS : 9989,1981
2.	Leq Value (Night Time)	dB(A)	60.2	70.0	

Day Time shall mean from 6:00AM TO 10:00PM

Night Time shall mean from 10:00PM TO 06:00AM

Remark : NA

Opinion/Interpretation

\*\*\*End of Report\*\*\*

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Quality Manager



  
Authorized Signatory  
Ranbir Singh  
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## TEST REPORT

Annexure-4

Page : 1 of 1

Issued to: M/S JK Cement LTD, UJJAIN  
(A Unit of JK Cement Ltd.)  
Village-Madhavgarh, Tehsil- Ghatiya,  
Nagda, Distt. Ujjain (MP) Pin.-456003

ULR No. : TC114932500000341F  
Test Report No. : SREL/E/22032025008  
Sample I.D. : SREL/AN/22032025008  
Sample Received : 22/03/2025  
Date of Issue : 26/03/2025  
Reference No. : TRF

## SAMPLE PARTICULARS

Name of the Sample : Ambient Noise Level Testing

### Details of Sampling

1. Date & Time of Sampling : 19/03/2025 AT 10:25 Hrs. To 20/03/2025 10:25 Hrs.
2. Sampling Protocol : IS : 9989
3. Equipment Used : Sound Level Meter
4. Sampling Done By : SREL
5. Duration of Sampling : 24 Hrs.
6. Sampling Location : Near BRU Unit

## TEST RESULTS

Test Started on : 22/03/2025

Test Completed on : 26/03/2025

S.No.	Parameters	Units	Test Results	Specification /Requirements (As per CPCB)	Test Method
1.	Leq Value (Day Time)	dB(A)	69.5	75.0	IS : 9989,1981
2.	Leq Value (Night Time)	dB(A)	64.3	70.0	

Day Time shall mean from 6:00AM TO 10:00PM

Night Time shall mean from 10:00PM TO 06:00AM

Remark : NA  
Opinion/Interpretation

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## TEST REPORT

Annexure-4

Page : 1 of 1

Issued to: M/S JK Cement LTD, UJJAIN  
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Village-Madhavgarh, Tehsil- Ghatiya,  
Nagda, Distt. Ujjain (MP) Pin.-456003

ULR No. : TC114932500000342F  
Test Report No. : SREL/E/22032025009  
Sample I.D. : SREL/AN/22032025009  
Sample Received : 22/03/2025  
Date of Issue : 26/03/2025  
Reference No. : TRF

## SAMPLE PARTICULARS

Name of the Sample : Ambient Noise Level Testing

### Details of Sampling

1. Date & Time of Sampling : 19/03/2025 AT 10:10 Hrs. To 20/03/2025 10:10 Hrs.
2. Sampling Protocol : IS : 9989
3. Equipment Used : Sound Level Meter
4. Sampling Done By : SREL
5. Duration of Sampling : 24 Hrs.
6. Sampling Location : Near STP Plant Area

## TEST RESULTS

Test Started on : 22/03/2025

Test Completed on: 26/03/2025

S.No.	Parameters	Units	Test Results	Specification /Requirements (As per CPCB)	Test Method
1.	Leq Value (Day Time)	dB(A)	66.7	75.0	IS : 9989,1981
2.	Leq Value (Night Time)	dB(A)	62.3	70.0	

Day Time shall mean from 6:00AM TO 10:00PM

Night Time shall mean from 10:00PM TO 06:00AM

Remark : NA  
Opinion/Interpretation

\*\*\*End of Report\*\*\*

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