

ENVIRONMENT STATEMENT
(FORM V)

M/s JK Lakshmi Cement Limited
Daroli Limestone Mine Lease - 2
FY:2025-26

Shripati Nagar, CFA, P.O. Dabok,
District: Udaipur – 313022, Rajasthan

Environmental Statement for the financial year ending on **31st March, 2026**

FORM – V**(See rule 14)****Environmental statement for the financial year ending the 31st March 2026****PART – A**

1.	Name and address of the Owner/Occupier of the Industry, operation of the process.	After amalgamation with M/s Udaipur Cement Works Ltd. (w.e.f. 01/08/2025), now the company name is; M/s JK Lakshmi Cement Ltd., Shripati Nagar, CFA, P.O. Dabok, Dist. Udaipur – 313022, Rajasthan
2.	Industry category	Red, Large
3.	Production Capacity	1.56 MMTPA*
4.	Year of establishment	1982
5.	Date of the last environmental statement submitted	25 th September, 2025

*MMTPA: Million Metric Tons Per Annum

PART – B**Water and Raw Material Consumption****(I) Water consumption in m3/day.**

Process	:	165 m3/day [for dust Suppression on Haulage Road & conveyor belts connected with Crusher (Includes water used in both the mines)]
Cooling	:	Nil
Domestic	:	146.81 m3 /day [mines domestic and horticulture purposes (Includes water used in both the mines)]

Name of products (includes ML-1 & ML-2)	Process Water consumption ** per unit of product output	
	During the Previous financial year 2024-25	During the current financial year 2025-26
KL/Ton of Limestone	0.028	0.027

(** Dust Suppression Haulage Road, Crusher & wet drilling)

(II) Raw Material consumption

S. No.	Name of raw material	Consumption of raw material per unit output (Per Ton)	
		During the Previous financial year 2024-25	During the current financial year 2025-26
1	Loose Ammonium Nitrate (Kg/Ton of Limestone)	0.081	0.042
2	Slurry Explosives (Kg/Ton of Limestone)	0.022	0.011
3	Ordinary Electrical Detonators (No's/Ton of Limestone)	0.0004	0.0002
4	Delay Electrical Detonators (No's)	0	0

5	Detonating Fuse (Mts./Ton of Limestone)	0	0
6	others (NONEL/EXCEL) (No's/Ton of Limestone)	0.005	0.003
7	Diesel (Liter/Ton of Limestone)	0.638	0.332
8	Lubricant oil (Ltrs./Ton of Limestone)	0.005	0.003
9	Grease (Kg/Ton of Limestone)	0.001	0.0005

(IV) Production

S. No.	Name of Product	During the Previous financial year 2024-25	During the current financial year 2025-26
1	Limestone (MT)	310195	596180

PART – C

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

Consent Issued/					
S. No.	Pollutants	Quantity of Pollutants discharged (mass/day)		Quantity of Pollutants discharged (mass/volume)	Percentage of variation from prescribed standards with reason.
a. Water					
	Industrial	NIL		NIL	Zero Discharge
	Domestic	NIL		NIL	Zero Discharge
b. Air					
	(Stack emission) Particulate matter	Avg. values of the year (2025-26)			
		Stack Attached to	Quantity of Pollutants discharged (kg/day)	Quantity of Pollutants discharged (mg/Nm3)	Percentage of variation from prescribed standards with reason.
		Nil	Nil	Nil	Nil

PART – D

Hazardous Wastes

(As specified under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016)

S. No.	Hazardous Waste	Total quantity	
		During the Previous financial year 2024-25	During the current financial year 2025-26
a.	From Process – Used Oil (Sch.-I, Cat. - 5.1)	2.10 KL (includes ML-1 & ML-2)	2.52 KL (includes ML-1 & ML-2)
b.	From pollution control facility	NIL	NIL

PART E

Solid Waste

S. No.	Solid Waste	Total quantity (Tons)	
		During the Previous financial year 2025-26	During the current financial year 2025-26
a.	From Process (Face Reject) in MT	0	0
b.	From pollution control facility	Nil	Nil
c.	Quantity recycled or reutilized	Nil	Nil

PART – F

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

(i) Hazardous Waste: -

The Used Oil generated in the year **2025-26** was **2520 Lit. (including ML-1 & ML-2)** due to maintenance of mining machinery and vehicles, other crushing machinery and miscellaneous mining equipment.

The Used oil is stored in closed leak proof steel containers and kept on an impervious site at an isolated place, properly marked with a sign board having danger sign and warning text “**Hazardous waste – Unauthorized persons keep away**”, and away from the operational area and human activities & is sold to the authorized recyclers only.

Bio Medical Waste Management-

The Bio-medical waste generated from OHC Centre, located in Shripati Nagar Colony, is being segregated into colored bins & disposed of through authorized CBWDF I.e., M/s En- Vision. The transportation of BMW is done by their own vehicle for final treatment and disposal. All the Bio-medical waste generated in the mines OHC (non bedded) is being sent to the township OHC and then further sent to CBMWTF. **(includes ML-1 & ML-2)**

PART – G

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

The following control measures are provided for the abatement of pollution and conservation of natural resources

Air Pollution Control Measures

- ❖ All the mining machinery deployed in the mine area is equipped with latest technology and has less emissions.
- ❖ Dust extractor and wet drilling arrangement have been provided in all drill machines for dust suppression during drilling operation.
- ❖ Installed cross belt analyzer for online quality checking
- ❖ Unit has installed one of its lightweight structures based 6.00 kms long Covered Over Land Belt Conveyor from mines crusher to plant site that eliminates the need of transportation of limestone via trucks through roads, thereby saving fuel and thus mitigating associated carbon emissions.
- ❖ Provided 3 numbers of water tankers fitted with water sprinkling arrangement for the dust

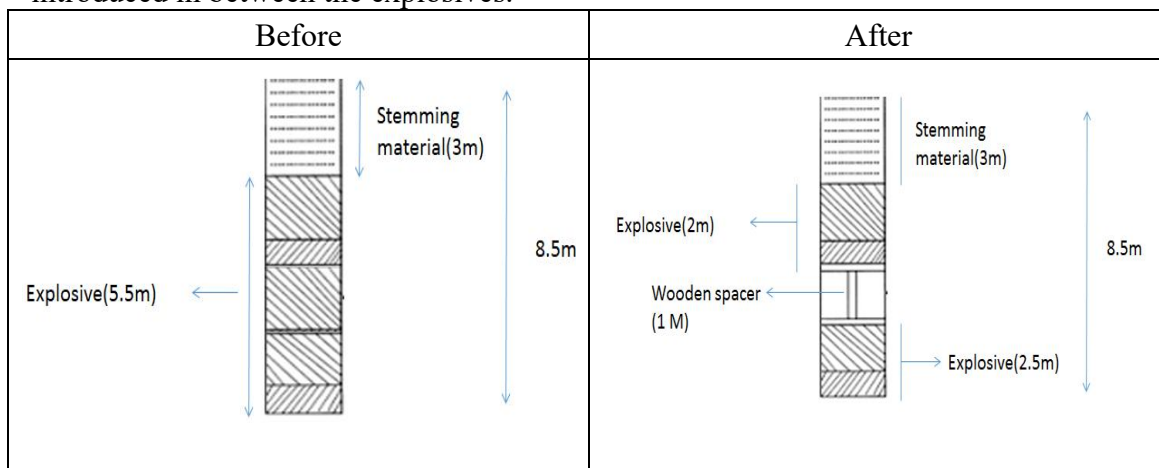
suppression at mine haul Road, operating face, loading points etc.

- ❖ Blasting operations are carried out during the daytime only.
- ❖ Rock breaker for breaking of oversize boulders instead of secondary blasting which eliminated its vibration noise and Fly rocks.
- ❖ Use of high-capacity dumpers for material handling in mining.
- ❖ Periodical maintenance of HEMM on time.
- ❖ To ensure vehicle emission within the limits, six monthly monitoring of the vehicle emission PUC of all HEMM is being done.
- ❖ People working in the mine area provided dust masks as a protective respiratory device.
- ❖ Crusher hopper provided with water sprinkler system, and it is covered from side, to control the dust emission during unloading of limestone. The crushing plant is installed in the mining lease area, which is equipped with highly efficient Bag Filters ensuring the emission (PM) level below standards, as prescribed by the government and regulatory body.
- ❖ There are covered with conveyor belts for transferring material from one location to another, equipped with bag filters.
- ❖ Bag filter provided at material transfer point and transportation of limestone through closed conveyor belt.
- ❖ Tree plantation in & around mines area.
- ❖ Regular ambient air quality monitoring is being carried out.

Noise vibration & fly rock control measures

The following measures are considered for noise vibration and Fly rocks.

- ❖ The controlled blasting is being practiced by optimum explosive.
- ❖ Latest blasting technology resulting in reduction of noise level in ground vibration to great extent.
- ❖ To reduce blast induced ground vibration and noise, a wooden explosive is being introduced in between the explosives.



Benefits

1. Reduce Explosive charge per hole by introducing wooden Spacer in blast holes.
2. Optimization of blast parameter
3. Achieving Control blast practices

- ❖ The blasting operation is being carried out only in the daytime.
- ❖ The operator cabin is safeguarded with proper enclosures to reduce the noise level.
- ❖ Tree plantation around mine area to attend noise.
- ❖ Mining is practiced as per guidelines & Recommendation of DGMS.

Water pollution control measures

There is no wastewater generation from mining activity as the water is only required for spraying/dust suppression purposes. An Effluent treatment plant with the capacity of 10 KLD is installed at mine workshop to treat the wastewater generated during washing of HEMM, the treated water is being recirculated and re-utilized for washing of mines machinery vehicles. However, no wastewater is being discharged from mine premises, and we are maintaining zero discharge

- ❖ Check Dam was prepared in the east of Manderia pit to rain harvest water and refill the ground water. Heavy inrush of rainwater is also stop which erodes the topsoil of nearby village area.
- ❖ As per CGWA Guideline, the unit has installed digital water meter at Borewell to monitor the water abstraction.
- ❖ Effective Water sprinklers & dry fog system installed at crusher dump hopper and regular water sprinkling is done at truck haulage roads to prevent fugitive dust emissions occurring due to movement of vehicles.
- ❖ As per CGWA Guideline, The JKLCL has taken the NOC for abstraction of 250 KLD ground water from CGWA on 06/06/2025 & the same is valid till 05/06/2027.
- ❖ JKLCL has been taken into action for the recharge of ground water level. Most of the buildings (Guest house, Admin & Technical building, store) are connected to the harvesting pits by roof top rainwater harvesting system & construct one more harvesting structure near school building for recharge of rainwater in the residential colony.
- ❖ CGWA Compliance- JKLCL is always committed to meet environmental and conduct ground Water Audit by National Productive Council.

Development Activities

Dust suppression by water sprinkling system	Cleaning of mines haulage road
	
A Visual of Digital Water meter, Digital water level recorder along with telemetry service.	
	

Sewage Treatment Plant 	Effluent Treatment Plant 
Wet Drilling 	Water Sprinkler 
Water fogging System arrangement at Cone Crusher 	Water Sprinkling system at Crusher hopper 
Crusher Boundary wall 	GI sheet covering conveyor belt 
Covered (by GI sheets) 	Complete covered Conveyor Belt 

PART – H

Additional measurers/investment proposal for environmental protection including abatement of pollution/prevention of pollution.

- ❖ Green belt development and tree plantation is our ongoing process. In the financial year 2025-26 about 1000 tree saplings were planted in ML-2 area. Plantation as per the provisions under the approved Mine Plan have been strictly adhered to and undertaken at designated locations.
- ❖ Up-gradation of conventional dust suppression system by atomized dust suppression system for conservation of water.

PART – I

Any other particulars for improving the quality of the environment.

JKLCL has undertaken various steps towards conservation of natural resources and energy through continuous improvement and various in-house modifications. Some of the major activities carried out are briefed as follows.

1. Full-fledged Environment management cell for Environmental monitoring, maintenance of pollution control equipment and green belt development.
2. Covered conveyor belt through the length by GI sheet.
3. 300 meter length pressurized water sprinkling system installed on haulage road to minimize dust emission while HEMM are moving.
4. Regular housekeeping of crusher and mines area is being done.
5. JKLCL has well equipped environment monitoring laboratory with monitoring equipment's such as Respirable Dust (PM10) Sampler, Gaseous sampling attachment, Fine particulate (PM2.5) sampler, sound level meter, UV-VIS spectrophotometer, TDS-Conductivity meter, pH meter etc.
6. Awareness promotion through various environmental competitions, presentations, mails, tree plantation etc. on world environment day, Earth Day etc.
7. Mechanized Handling of material is done (i.e. Unloading, storage, loading and feeding).
8. Heavy Earth Moving Machines (HEMM) and Dumper operators are provided with required PPE's like dust masks, ear plugs etc. HEMM and dumpers have PUC certificates and periodically obtain the same.
9. Periodic Environmental monitoring in term of ambient air, Noise, & treated water quality & water level monitoring carried out by MoEF&CC approved laboratory.
10. Installation of two stage crushing system for limestone crushing, to achieve lower wear rate.

Accreditation

The JKLCL is ISO Certified organization & certified by Bureau Veritas under following standards.

- 1) ISO 9001:2015 for Quality Management System
- 2) ISO 14001:2015 for Environment Management
- 3) ISO 50001:2011 for Energy Management System
- 4) ISO 45001:2018 for Occupational Health & Safety Management System
