

JKCW/MGR/ESR/FY-25-26/221**Date: 17.09.2026**

To,

The Group In charge, Mines

Rajasthan State Pollution Control Board

4, Industrial area, Jhalana Doongri

Jaipur-302004 (Raj.)

Sub: Submission of Environmental Statement Report in Form- V for Financial Year 2025-26 by M/s J.K. Cement Works, Mangrol for **Tilakhera Limestone Mines** situated at Mangrol and Tilakhera Village, Tehsil Nimbahera, Chittorgarh, Rajasthan- 312601.

Ref: CTO letter No.- F(Mines)/Chittorgarh(Nimbahera)/1873(1)/2021-2022/457-461 dated 04th June 2021 (**Tilakhera Mines**)

Dear Sir,

With reference to the above cited subject, we M/S J.K. Cement Works, Mangrol, hereby submitting the environmental statement report of **Tilakhera Limestone Mines** in Form- V for Financial Year 2025-26 as per, Rule No.14 of the Environment (Protection) Rules, 1986, EC & CTO order.

This is for your kind information.

Yours Faithfully,

For J.K. Cement Works, Mangrol
Manish Toshniwal
Unit Head (Operations)**Encl:** Form- V Environmental Statement report.

Copy: The Regional Officer, Rajasthan State Pollution Control Board, Near FCI Godown, Chanderiya, District- Chittorgarh (Raj): - 312021



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Nimbahera, Mangrol, Gotan (Rajasthan) | Muddapur (Karnataka)
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WallMaxX**
Whole Cement Wall Putty

ENVIRONMENTAL STATEMENT

FORM - V

Environmental Statement for the financial year 2025-26, ending the 31st March 2026

PART-A

Name an address of the owner/occupier of the industry operation or process	Manish Toshniwal Unit Head (Operations) J.K. Cement Works, Mangrol Mangrol and Tilakhera Limestone Mines Village Mangrol & Tilakhera, Tehsil Nimbahera, District Chittorgarh Rajasthan, Pin Code- 312617
Industry category Primary - (STC Code) Secondary - (STC Code)	Primary
Production capacity	Tilakhera Mines Limestone: 2.4 MTPA
Year of establishment- (UNIT WISE)	Year 1979
Date of last environmental statement submitted	27.09.2025

PART-B

WATER AND RAW MATERIAL CONSUMPTION

WATER CONSUMPTION in m³/day

Process : - NIL
Mines Operation : - 62.44 m³/day (HEMM, Plantation, Dust Suppression)
Domestic : - 3 m³/day

Name of products	Process water consumption per unit of products (For cooling & domestic)	
	During the previous financial year (2024-2025) (KL/MT)	During the current financial year (2025-2026) (KL/MT)
1. LIMESTONE (Tilakhera)	0.019	0.014

**Water consumption for limestone production is combined for Tilakhera limestone mines.*

RAW MATERIAL CONSUMPTION

Name of Raw Material	Name of Products	Consumption of raw material per unit of output (in MT)	
		During the previous financial year (2024-25)	During the current financial year (2025-26)
		TILAKHERA (KG/MT))	TILAKHERA (KG/MT))
Loose Ammonium Nitrate (Kg)	LIMESTONE	0.08903	0.09878
Slurry Explosive (Aquadyne,Emulboost,Energel,Kelvex500,Kelve x 600,Kelvex P, Dynaex) (Kg)		0.04460	0.06308
Detonator Ordinary (Nos)		0.00020	0.00044
DTH & TLD (Nos)		0.01337	0.01470
Detonating Fuse (Mtr)		0.05204	0.06035
Others (E-Det & e-SDD) (Nos)		0.00002	0.00054
Total Diesel consumed		0.64834	0.70333

PART-C

POLLUTION DISCHARGE TO ENVIRONMENT / UNIT OF OUTPUT

Pollutants	Quantity of pollutants discharged (kg/ ton of Clinker)	Concentration of pollutants in discharge (mg/Nm3)	Percentage of variation from prescribed standards with reasons
Water	NIL		
Air	There is no continuous source emission. The dust generated during the mining operation is measured by Ambient Air Quality monitoring stations at different stations and the results are within the prescribed limits.		

TILAKHERA LIMESTONE MINES

Location	Ambient Air quality Monitoring data (Average) FY 2025-26				
	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	CO (mg/m ³)
Towards Factory Gate (Tilakhera Mine)	63.11	29.00	8.04	15.32	BDL (DL 0.50)
Near Ravana Office (Tilakhera Mine)	65.69	28.8	9.11	16.75	BDL (DL 0.50)
Arniya Joshi Village	73.85	33.7	9.1	17.15	BDL (DL 0.50)
Shahbad Village	67.55	31.25	7.95	17.55	BDL (DL 0.50)

Noise level monitoring data

Station Point		Ambient Noise Level Monitoring data (Average) in dB(A)FY 2025-26			
		Sound pressure level during day time in dB		Sound pressure level during night time in dB	
		Minimum	Maximum	Minimum	Maximum
Tilakhera	Near Mine Office	48.3	64.2	41.7	55.9
	Near Ravana Office	49.7	67.1	41.9	57.0
	Arniya Joshi Village	42.9	61.0	38.5	53.7
	Shahbad Village	44.3	64.8	39.6	57.2

PART-D

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

Hazardous Waste	Total Quantity	
	During previous financial year (2024-25) (KL)	During current financial year (2025-26) (KL)
From Process	Used or Spent Oil (5.1) - 9.7 KL	Used or Spent Oil (5.1) - 12.56 KL
From Pollution Control Facility	Material is being stored as per CPCB guideline and being sold through an authorized recycler by CPCB/SPCB.	

*Including Cement Plant Line-1, Line-2, & Line-3, CPP, WHRS, Mines & Colony. Hazardous waste generated is being sold through an authorized recycler by CPCB.

PART-E **SOLID WASTE**

S. No.	Source	Total Quantity	
		During previous financial year (2024-25) (MT/Year)	During current financial year (2025-26) (MT/Year)
(a)	From process	Over burden/Inter burden :- 159148 MT	Over burden/Inter burden :- 42944 MT
(b)	From pollution control facility	Not Applicable	
(c)	Quantity rejected or reutilized with in the unit	Not Applicable	

PART-F

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

1. **Solid Waste:** Only Over burden/Inter burden as a Solid Waste.
2. **Hazardous Waste: Authorization no.-** F(HSW)/Chittorgarh(Nimbahera)/2697(1)/ 2024-2025/2470-2472 dated 21/01/2025 of used spent oil (Cat. 5.1) & waste oil (Cat.5.2) which is collected from mines, L.S Crusher, Plant machineries/equipment & Colony is being stored in a centralized location at plant premises in M.S. drums on a concreted floor under a covered shed and is being sold out to authorized recycler.
3. **Battery Waste Management:** Complying with the provisions under Batteries (Management & Handling) amendment Rules, 2010 and subsequently amended rules 2022, as a Bulk Consumer and maintain record as per the said rule.
4. **E-Waste Management:** Complying with the provisions under E-Waste (Management) Rules, 2022 and subsequently amendments, as a Bulk Consumer, the annual return regarding disposal of e-waste is being submitted regularly to RSPCB. The E-waste generated from the unit is being sold out only to authorized e-waste recyclers. During the year 2025-26.

E-WASTE			
NAME OF THE AUTHORIZED VENDOR	AUTHORIZATION NO	QTY SOLD	DATE OF SALE
Shukla E – waste Processor	F(Tech)Alwar(Tijara)7133 (1)2021-2022/7302-7304	2040 kg	01-04-2025
ECO LAYER E-WASTE RECYCLING	RED/S.S.I (R15) No:- Format 1.0/RO-HQ/UAN No.MPCBCONSENT-0000186189/CO/2401001387	3100 kg	21-08-2025

**Including Cement Plant Line-1, Line-2, & Line-3, CPP, WHRS, Mines & Colony.*

5. **Biomedical Waste Management:** Complying with the provision under Bio-Medical Waste Management Rules, 2016 and subsequently amended rules 2019, for the generation, segregation & disposal of Bio-medical waste generated. Authorization letter no. 2022-2023/Chittorgarh/7812 dated 4/11/2022. The Bio Medical waste is being segregated, collected & stored at health centre premises in prescribed coloured bins as per rule & handed over to authorized CBMWTDF i.e. m/s envision enviro engineers pvt. ltd. Udaipur for final treatment/disposal.

PART-G

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

1. Water conservation: Rainwater harvested in the mine sump satisfies 100% of the operational water demand (dust suppression, plantation), eliminating reliance on groundwater.
2. Use of wet drilling system is adopted to control fugitive dust emission.



3. Blasting: Blasting is between 12: noon to 3:00 PM when air density is low. Use of Control blasting technique (Non-El) Non-Electrical with delay detonators to avoid noise and vibration. Dozing: The floor near the blasting face is dozed evenly to avoid heavy dust generation with the movement of dumpers.
4. Loading: Water spray on the blasted rock is being carried out for dust suppression before they load on to the dumpers.



5. No secondary blasting is being done during the mining operation. Oversized boulders are broken by use of Hydraulic Rock breaker.

6. Haul road Dust Suppression: Mobile Water tanker is deployed to control the fugitive road dust emissions at mines.



7. Permanent water sprinklers are provided in mine haulage road.



8. All the required PPE's have been provided to all the employees and workmen.
9. Periodical maintenance of Heavy earth moving machinery to meet the emission levels. The operator cabin is dust proof & closed to control noise.

PART-H

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

Expenditure incurred on environment protection measures during FY 2025-26

S. No.	Activity	Recurring cost per annum (Rs. in Lacs)
1.	Pollution control expenses (Others)	0.74
2.	Pollution control expenses (Statutory)	10.65
Total (Rs in Lacs.)		11.39

PART-I

ANY OTHER PARTICULARS FOR IMPROVING THE QUALITY OF ENVIRONMENT

1. Monitoring of ambient air & water quality is being carried out at regular intervals as per the consent order.
2. Ambient air emissions are within the prescribed norms.
3. One CAAQM station is installed at Mangrol Tilakera Mines office to monitor the air quality continuously 24/7 and the data is being uploaded to the RSPCB & CPCB.



4. Green belt development: Plantation of native species to protect the species diversity and also develop the local ecosystem. Arrest the soil erosion Noise control and aesthetic beauty of the plant. In addition, 7.5 mts is being developed as a shelter belt to arrest the dust emissions and noise control.

SN .	Plants	Number of Sapling	Total Area Covered
1	Jamun	445	Area Cover under Plantation -1.2 Ha
2	Kajnar	275	
3	Pelta Farm	30	
4	Guller	50	
5	Seesam	95	
6	Karaj	150	
7	Neem	200	
8	Kikar	600	
9	Kesia	405	

10	Sitafal	50	
11	Amaltas	100	
12	Gulmohar	105	
	Total Qty	2505	



5. Rain water harvesting is being done through mine pit water stored in lower most benches and constructed one recharge well & 02 Nos. Check Dams to augment the water resources in the mines area.



6. As per mining plan, groundwater values are measured in the network of existing wells. 3 piezo holes for periodicals and one DWLR with a telemetry system for online monitoring of groundwater levels.
7. We have a dedicated team for planning execution of combined CSR activities for Both Cement Plant (Nimbahera and Mangrol unit) and its associated mines, on the focus area of infrastructure, health, sanitation & water, women-empowerment, sports, education etc.
Area wise CSR activities with expenditure details for the period from April - 2025 to March - 2026 is given as below: -

Focus area	Beneficiaries reached		Expenditure (In Rs.)
	Direct	Indirect	CSR
Health	34070	28451	38,07,099
Education	3476	15904	74,63,287

Livelihood	56354	225416	31,83,770
Rural transformation	13559	30836	77,19,246
Environment & sustainability	17000	48000	5,28,701
Disaster relief & others	1700	800	1,20,621
Total	126159	349407	2,28,22,724

Evidences: -

1. Health



2. Education



3. Livelihood



4. Rural transformation



5. Environment & sustainability

जे. के. सीमेंट वर्क्स, निम्बाहेड़ा व मांगरोल प्लांट एवं आर. एस. पी. सी. बी चित्तोडगढ़ टीम द्वारा ओजोन दिवस का आयोजन

जन जागरण संदेश

मोहन लाल चित्तोडगढ़। विरप ओजोन दिवस के अवसर पर जे. के. सीमेंट वर्क्स निम्बाहेड़ा व मांगरोल प्लांट, आर. एस. पी. सी. बी चित्तोडगढ़ और सी एस आर टीम के सहयोग से पंचायत असेमबली और असेमबली जेसी ग्राम पंचायत के राजकीय उच्च माध्यमिक विद्यालय में जागरण कार्यक्रम आयोजित किया गया। यह कार्यक्रम जे. के. सीमेंट के युनिट हेड मनीष लोखन, निबंध लेखन प्रतियोगिता तथा प्रदर्शनी प्रतिभागियों का अवजन किया गया, जिसमें विद्यार्थियों ने पूरे उत्साह से भाग लिया। उनके उत्साह से यह समझ हुआ कि वे पर्यावरणीय विषयों और



बातें में जागरण करना था। इस दौरान जागरणकर्ता राज, पोस्टर प्रतियोगिता, निबंध लेखन प्रतियोगिता तथा प्रदर्शनी प्रतिभागियों से प्रथम प्रशस्ति व शुद्ध स्थान प्राप्त छात्र छात्राओं को पुरस्कार एवं आर एस पी सी बी चित्तोडगढ़ द्वारा उपस्थित कराए गए परस्ति पत्र

वितरण के साथ जागरण सहायिका से सम्मान हुआ। जहां में छात्रों को कृषि उपकरण प्रदान किए गए, जो पर्यावरण संरक्षण और जल संधि के प्रति हमारी जागरूकता को बढ़ावा देने का प्रतीक हैं। यह कार्यक्रम न केवल जागरणकर्ता फैलाने में सफल रहा बल्कि कच्ची को पर्यावरण की रक्षा के लिए छोटे छोटे मूल्य महत्वपूर्ण कदम उठाने के लिए प्रेरित भी किया। इस अवसर पर जे. के. सीमेंट के रहने वाले निबंध लेखन प्रतियोगिता विजेता, प्रथमस्थान विजेता, सी एस आर प्रमुख माधुरी, गौरीका, सी एस आर प्रमुख गौरी कुमार एवं एस टीम से लोकेस्टा व आयुष जी और उपस्थित थे।



6. Disaster relief & others

