

**JKCW/MGR/ESR/FY-24-25****Date: 22/09/2025**

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 2024-25 by M/s J.K. Cement Works, Mangrol for **Mines (Mangrol & Tilakhera)** in Mangrol and Tilakhera Village, Tehsil Nimbahera. Chittorgarh, Rajasthan- 312601.

**Ref:**

1. CTO letter No.- F(Mines)/Chittorgarh(Nimbahera)/1863(1)/2016-2017/6278-6282 dated 03<sup>rd</sup> Jan 2024 (**Mangrol Mines**)
2. CTO letter No.- F(Mines)/Chittorgarh(Nimbahera)/1873(1)/2021-2022/457-461 dated 04<sup>th</sup> 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 **Mines (Mangrol & Tilakhera)** in Form- V for Financial Year 2024-25 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



## Corporate Office

- Prism Tower, 6th Floor, Ninaniya Estate,  
Gwal Pahari, Gurugram - 122102, Haryana
- 0124-6919000
- admin.padamtower@jkcement.com
- www.jkcement.com

**JK SUPER  
CEMENT**  
BUILD SAFE

Manufacturing Units at :  
Nimbahera, Mangrol, Gotan (Rajasthan) | Muddapur (Karnataka)  
Jharli (Haryana) | Katni (M.P.) | Aligarh (U.P.) | Balasinor (Gujarat)

JK CEMENT  
**WallMax**  
White Cement Wall Putty





## **ENVIRONMENTAL STATEMENT REPORT FY 2024-25**

**Submitted by**  
J.K. Cement Works, Mangrol  
Village Mangrol & Tilakhera, Tehsil Nimbahera,  
District Chittorgarh

## FORM - V

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

### 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	Mangrol Mines Limestone: 1.5 MTPA Tilakhera Mines Limestone: 2.4 MTPA
Year of establishment- (UNIT WISE)	Year 1979
Date of last environmental statement submitted	27.09.2024

### PART-B

#### WATER AND RAW MATERIAL CONSUMPTION

##### WATER CONSUMPTION in m<sup>3</sup>/day

Process	: - NIL
Mines Operation	:- 115.23 m <sup>3</sup> /day (HEMM, Plantation, Dust Suppression)
Domestic	: - 32 m <sup>3</sup> /day

Name of products	Process water consumption per unit of products (For cooling & domestic)	
	During the previous financial year (2023-2024) (KL/MT)	During the current financial year (2024-2025) (KL/MT)
1. LIMESTONE (Mangrol)	0.256	0.021
2. LIMESTONE (Tilakhera)	0.0052	0.019

*\*Water consumption for limestone production is combined for Mangrol and 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 (2023-24)	During the previous financial year (2023-24)	During the current financial year (2024-25)	During the current financial year (2024-25)
		MANGROL (KG/MT)	TILAKH ERA (KG/MT)	MANGROL (KG/MT)	TILAKH ERA (KG/MT)
Loose Ammonium Nitrate (Kg)	<b>LIMESTONE</b>	0.0681	0.091	0.0838	0.08903
Slurry Explosive (Aquadyne,Emulboost,Energel,Kelvex500,Kelvex 600,Kelvex P, Dynaex) (Kg)		0.0086	0.0255	0.0495	0.04460
Detonator Ordinary (Nos)		--	--	0.0079	0.00020
DTH & TLD (Nos)		--	--	0.0108	0.01337
Detonating Fuse (Mtr)		--	0.048	0.0493	0.05204
Others (E-Det & e-SDD) (Nos)		--	--	0	0.00002
Total Diesel consumed for the F.Y (2024-25) (Ltr) )		0.4954	0.6352	0.4983	0.64834

### **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.		

#### **MANGROL LIMESTONE MINE**

Location	Ambient Air quality Monitoring data (Average) FY 2024-25				
	PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )	CO (mg/m <sup>3</sup> )
Towards Factory Gate (Mangrol Mine)	74.47	41.27	10.05	15.25	0.49
Near Ravana Office (Mangrol Mine)	68.65	36.35	9.89	14.12	0.37
Tie Village	63.79	34.12	8.82	13.37	0.38
Mangrol village	59.32	31.53	8.70	13.76	0.33

## TILAKHERA LIMESTONE MINES

Location	Ambient Air quality Monitoring data (Average) FY 2024-25				
	PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )	CO (mg/m <sup>3</sup> )
Towards Factory Gate (Tilakhera Mine)	64.03	32.86	9.16	14.54	0.36
Near Ravana Office (Tilakhera Mine)	67.60	33.98	9.49	15.12	0.33
Arniya Joshi Village	58.39	31.59	10.16	12.87	0.37
Shahbad Village	63.57	33.42	9.50	11.91	0.30

### Noise level monitoring data

Station Point		Ambient Noise Level Monitoring data (Average) in dB(A)FY 2024-25			
		Sound pressure level during day time in dB		Sound pressure level during night time in dB	
		Maximum	Minimum	Maximum	Minimum
Mangrol	Near Factory Gate	68.1	59.4	57.4	47.6
	Near Ravana Office	58.4	50.1	52.3	45.1
Tilakhera	Near Mine Office	63.1	53.9	51.1	42.4
	Near Ravana Office	65.9	53.4	50.1	41.8

## PART-D

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

Hazardous Waste	Total Quantity	
	During previous financial year (2023-24) (KL)	During current financial year (2024-25) (KL)
From Process	Used oil (5.1)- *NIL Waste oil (5.2)- 5.2 KL	Used or Spent Oil (5.1) - 9.7 KL
From Pollution Control Equipment	Not applicable	Not applicable

\*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	Description	Total Quantity	
		During previous financial year (2023-24) (MT/Year)	During current financial year (2024-25) (MT/Year)

	From process	Mangrol	Tilakhera	Mangrol	Tilakhera
1	Over burden/Inter burden	0	0.2497	0	0.159

### **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.**

The hazardous waste generated is used waste oil from vehicle operations is send to the authorized recycler authorized by CPCB/RSPCB

### **PART-G**

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

1. Use of wet drilling system is adopted to control fugitive dust emission
2. 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.
3. Loading: Water spray on the blasted rock is being carried out for dust suppression before they load on to the dumpers.
4. No secondary blasting is being done during the mining operation. Oversized boulders are broken by use of Hydraulic Rock breaker.
5. Haul road Dust Suppression: Mobile Water tanker is deployed to control the fugitive road dust emissions at mines
6. Permanent water sprinklers are provided in mine haulage road.
7. All the required PPE's have been provided to all the employees and workmen.
8. Periodical maintenance of Heavy earth moving machinery to meet the emission levels. 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 during the financial year 2024-2025

#### **MANGROL LIMESTONE MINES**

Amount (Rs.)	No. of Beneficiaries	Activity	Remark
209,061	86,483	Water storage tanks, drinking water supply facility and	1.JK Cement ensured clean supply of clean drinking water supply

		irrigation support to agriculture :-	through tankers in Mangrol and Shahbad village.
139,051	10,000	Promotion of Hygiene and sanitation, Public Health initiatives/ National Disaster Relief:-	1.Waste Management project implemented in village Mangrol in collaboration with Gram Panchayat for household waste segregation and management.
391,800	50	Skill development and Vocational Training Programmes for local communities.	1.Supported women of Mangrol village with skill training for development of Sanitary Napkin and their sell for livelihood generation.
2,308,152	1,550	Promotion of Literacy and Education	1.Under RMSA scheme of state govt. JK Cement financialy supported Mangrol School for renovation . Project overall planned for improving overall learning environment and well being of students .
76,303	300	Support to Social, Cultural recreational activities	1.Supported Gram Panchayat with cricket,Kabbadi and Volleybal kits for promoting sports and good health among the rural youth around the mines premises.Kits distributed among Murliya village youth .
1,565,523	4,900	Improvement of Road connectivity and Public transport and other infrastructure facilities	1.Bala Painting was done on Shahbad school boundary wall aiming of enhancing learning environment of children .  2.A new community hall has been constructed in Bamaniya village, Gram Panchayat Shambhupura.The purpose of this construction is to provide a dedicated space for social gatherings and cultural events.
<b>4,689,890</b>	<b>103,283</b>		

#### TILAKHERA LIMESTONE MINES

Amount (Rs.)	No. of Beneficiaries	Activity	Remark
209,061	86,483	Water storage tanks, drinking water supply facility and irrigation support to agriculture.	1.JK Cement ensured clean supply of clean drinking water supply through tankers in Mangrol and Shahbad village.

220,983	10,000	Preventive measures for mitigation of mine related health problems.	1.Waste Management project implemented in village Mangrol in collaboration with Gram Panchayat for household waste segregation and management.
5,495	1,973	Promotion of Hygiene and sanitation, Public Health initiatives/ National Disaster Relief	1.Supported women of Mangrol village with skill training for development of Sanitary Napkin and their sell for livelihood generation.
3,431,633		Skill development and Vocational Training Programmes for local communities.	1.Under RMSA scheme of state govt. JK Cement financially supported Mangrol School for renovation .Project overall planned for improving overall learning environment and well being of students .
3,431,633	20,144	Promotion of Literacy and Education	1.Supported Gram Panchayat with cricket,Kabbadi and Volleybal kits for promoting sports and good health among the rural youth around the mines premises.Kits distributed among Murliya village youth .
76,303	300	Support to Social, Cultural recreational activities	1.Bala Painting was done on Shahbad school boundary wall aiming of enhancing learning environment of children .  2.A new community hall has been constructed in Bamaniya village, Gram Panchayat Shambhupura.The purpose of this construction is to provide a dedicated space for social gatherings and cultural events.
1,565,523	4,900	Improvement of Road connectivity and Public transport and other infrastructure facilities	1.Bala Painting was done on Shahbad school boundary wall aiming of enhancing learning environment of children .  2.A new community hall has been constructed in Bamaniya village, Gram Panchayat Shambhupura.The purpose of this construction is to provide a dedicated space for social gatherings and cultural events.
<b>4,689,890</b>	<b>103,283</b>		

## **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.
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. 3piezo holes for periodicals and one DWLR with a telemetry system for online monitoring of groundwater levels.

S. No.	Name of the mine & lessee	Area (ha)	District & state	Afforestation					
				No. of saplings			Area of plantation (ha)		
				Proposed	Achieved	Cumulative	Proposed	Achieved	Cumulative
3	Mangrol - Tilakhera Limestone Mine, Lessee- J.K. Cement Ltd.	299.20	Chittorgarh (Raj.)	1200	Within lease - 5189 Outside lease - Nil	Within lease - 75035 Outside lease - 53592	1.20	Within lease - 1.2 Outside lease - Nil	Within lease - 27.135 Ha. Outside lease - 5.0 Ha.
5	Mangrol Limestone Mine, Lessee- J.K. Cement Ltd.	132.00	Chittorgarh (Raj.)	1500	Within lease - 3075 Outside lease - Nil	Within lease - 32863 Outside lease - 3020	1.20	Within lease - 1.2 Outside lease - Nil	Within lease - 13.79 Ha. Outside lease - 2.022 Ha.

2,500 plants, including ten varieties such as Neem, Peepal, Mango, Lemon, Custard Apple, and more, were distributed across five panchayats. This initiative extended its benefits to approximately 200 residents in neighbouring villages, encompassing Arniya, Mangrol, Karunda etc.



## AWARDS

1. Excellent Energy Efficient Award and National Energy Leader at the 23rd National Award for Excellence in Energy Management
2. Energy conservation -Excellence award from CII
3. Water positivity/Water aspiring Scope-1 certified by CII

### EYE CAMP (29<sup>th</sup> Sept 2024)



Focus area	Beneficiaries reached (CSR )	
	Direct	Indirect
Health	2,369	8,556
Education	5,595	24,320
Livelihood	0	0
Rural transformation	57,950	1,880
Environment	15,001	42,005
Emergency Relief	00	00
Others	700	2,800
<b>Total</b>	<b>81,615</b>	<b>79,561</b>

	Focus area	Beneficiaries reached (CFR)	
		Direct	Indirect
	Health	81,250	1,78,200
	Education	255	1,020
	Livelihood	3,450	13,800
	Rural transformation	19,050	23,760
	Environment	00	00
	Emergency Relief	00	00
	Others	00	00
	<b>Total</b>	<b>1,04,005</b>	<b>2,16,780</b>

  

Details (based on the activities-project done in 2024-25)	Number
Total number of villages reached in 2024-25	303 Villages and 02 Nagar Parishad (Nimbahera & Nayagaon)
Number of Aspirational district reached	00
Number of Aspirational Block Reached <a href="https://abp.championsofchange.gov.in-public-assets-Resources-LIST+OF+ASPIRATIONAL+BLOCKS+_V1.0.pdf">https://abp.championsofchange.gov.in-public-assets-Resources-LIST+OF+ASPIRATIONAL+BLOCKS+_V1.0.pdf</a>	01 (Nimbahera)
Total number of School reached in 2024-25 (Supported in terms of infra, equipment, etc.)	05
Total number of Hospital impacted in 2024-25 (Supported in terms of infra, equipment, etc.)	00
Total number of Aganwadi reached in 2024-25(Supported in terms of infra, equipment, etc.)	00



## सीधा सवाल

### सामाजिक सरोकार के उत्कृष्ट कार्य हेतु जेके सीमेंट वर्क्स को किया सम्मानित



**सीधा सवाल। निम्बाहेड़ा।** जेके सीमेंट निम्बाहेड़ा के युनिट हेड मनीष तोपनीवाल एवं एचआर हेड प्रभाकर मिश्रा के मार्गदर्शन में चल रहे ग्रामीण विकास कार्यक्रम के अंतर्गत जे के सीमेंट वर्क्स निम्बाहेड़ा द्वारा सामाजिक सेवा उत्तरदायित्व के तहत कार्यदायी संस्था जे के ट्रस्ट निम्बाहेड़ा के माध्यम से संचालित समेकित पशुधन विकास परियोजना चलाई जा रही है। जे के ट्रस्ट के पशु चिकित्सक डॉ प्रवीण कुमार व उनकी टीम द्वारा महिला पशुपालकों के प्रशिक्षण व हरा चारा उत्पादन हेतु बीज वितरण के कई कार्यक्रम किए गए। इन कार्यक्रमों का मुख्य उद्देश्य जे के सीमेंट वर्क्स निम्बाहेड़ा व मांगरोल प्लांट के समीपवर्ती क्षेत्र के पशुपालक अपने पशुओं के पालन पोषण पर आ रहे खर्चों को कम कर व अधिक से अधिक दूध का उत्पादन प्राप्त कर अतिरिक्त आय प्राप्त कर सकें। और पशु चिकित्सक डॉक्टर प्रवीण व उनकी टीम ने कड़ी मेहनत से गौशालाओं में आए हुए बेसहारा गोवंश को निरंतर पशु चिकित्सा की सेवाएं प्रदान की जा रही है। साथ ही निम्बाहेड़ा में क्लोरीन गैस के रिसाव के समय जे के सीमेंट के सेफ्टी टीम ने उपस्थित होकर रिसाव को रोक कर क्लोरीन गैस से होने वाली जनहानि को बचाया। जिला प्रशासन ने गणतंत्र दिवस के अवसर पर मुख्य अतिथि सहकारिता मंत्री गौतम दक, विधायक चंद्रभान आक्या, जिला कलेक्टर आलोक रंजन, आदि की उपस्थिति में जे के सीमेंट निम्बाहेड़ा को इस उत्कृष्ट कार्य हेतु सम्मानित किया। जे के सीमेंट के वरिष्ठ प्रबंधक भुवनेश सिंह, सेक्शन हेड राहुल सिंह, जे के ट्रस्ट से पशु चिकित्सक डॉक्टर प्रवीण कुमार, परियोजना अधिकारी अरविंद सिंह जादौन, ग्रामीण विकास अधिकारी नंदकिशोर सोनी, व मोहनलाल सेन आदि ने उपस्थित रह कर यह सम्मान प्राप्त किया।







## Glimpses of Celebrate World Water Day 22<sup>nd</sup> March 2025

उद्धवं शंकरस्यायं जलस्य महात्मनः। नित्यमेव हरिं प्रपन्नं प्रियतमा सर्वदा॥"

World Water Day: A Call to Preserve Water for Future Generations

On the occasion of World Water Day 22<sup>nd</sup> March 2025, the JK Cement Works Limited, Unit Mangrol organized an inspiring program to not only raise awareness but also put a deep sense of responsibility in children to save water.

The event was **awareness sessions, documentary video, discussion on water scarcity and spot quiz and kit performance** by children's, all highlighting the importance of water preservation.

Through this initiative, JK Cement successfully inspired young minds to actively protect water, fostering a lasting sense of responsibility. "Jal hi Jeevan hai" – Water is life, and it's our duty to preserve it.

