

NBH/PC/ESR/21 767

Date: 22.09.2023

To,

**The Member Secretary,**

Rajasthan State Pollution Control Board,

4, Industrial Area, Jhalana Dungri

JAIPUR - 302004 (Raj)

**Subject: Environmental Statement Report for the year FY 2022-2023 of Maliakhhera Limestone Mine (ML 04/03) & L S Crusher with OLBC, s (02Nos.) of M/s J.K. Cement Works, Tehsil: Nimbahera, Dist: Chittorgarh (Rajasthan).**

Ref: F (Mines)/ Chittorgarh (Nimbahera)/1869(1)/2017-2018/3905/-3909 Order No. 2021-2022/Mines/10333 Dated: 12/11/2021

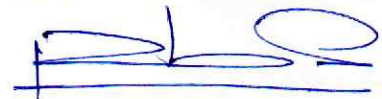
F(SCMG)/Chittorgarh(Nimbahera)/14(1)/2018-2019/2064-2066, Order No. 2019-2020/SCMG/4682, dated 30/08/2019.

Dear Sir,

Kindly refer to above subject matter, please find enclosed herewith Environment Statement Report of Maliakhhera Limestone Mine & L S Crusher with OLBC, s (02Nos.) for the FY 2022-23 for your reference and record. We believe you will find the same in order.

Thanking You.

Yours Faithfully

**For J.K. Cement Works, Nimbahera**

R. B. M. Tripathi  
President(Operations)

Encl: as above.

Copy:

**The Regional Officer,** Rajasthan State Pollution Control Board, Near FCI Godown,  
Chanderiya-312021, Distt. - CHITTORGARH (RAJ)

## Corporate Office

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**JK SUPER  
CEMENT**  
BUILD SAFE

## Manufacturing Units at :

Nimbahera, Mangrol, Gotan (Rajasthan) | Muddapur (Karnataka)  
Jharti (Haryana) | Katni (M.P.) | Aligarh (U.P.) | Balasinor (Gujarat)

**JK CEMENT  
WallMaxX**  
White Cement Wall Putty



## **ENVIRONMENTAL STATEMENT**

### **FORM - V**

Environmental Statement for the financial year 2022-23, ending the 31<sup>st</sup> March 2023

### **PART-A**

i. Name an address of the owner/occupier of the industry operation or process	<b>Maliakhera Limestone Mine (ML no. 04/03) &amp; L S Crusher with OLBC,s (02Nos.)</b> <b>J.K. Cement Works, Nimbahera</b> Kailash Nagar, Tehsil: Nimbahera, Chittorgarh (Rajasthan) PIN- 312617
ii. Industry category Primary - (STC Code) Secondary - (STC Code)	Primary
iii. Production capacity	Limestone – 6.30 MMTPA LS crusher (1500TPH) & OLBC.
iv. Year of establishment-	1989
v. Date of last environmental statement submitted	19 <sup>th</sup> September 2022

### **PART-B**

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

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

**Process** : - 161 m3/day (Spray on road/mining & wet drilling)

**Cooling** : - Nil

**Domestic** : - 1.0 m3/day

Name of products	Process water consumption per unit of products	
	During the previous financial year (2021-22) (KL/Unit)	During the current financial year (2022-23) (KL/Unit)
1. Limestone	0.00578	0.01015

ii. RAW MATERIAL CONSUMPTION

Name of raw material	Name of products	Consumption of raw material per unit of output	
		During the previous financial year (2021-22)	During the current financial year (2022-23)
High speed diesel (HSD)	Limestone	0.332 litre/MT	0.3981 litre/MT
Ammonium Nitrate		0.0806 Kg/MT	0.0904 Kg/MT
Dyneax Boost		0 kg/MT	0.0001 kg/MT
Kelvex 600		0.00450 kg/MT	0.0048 kg/MT
Aquadyne		0.00230 kg/MT	0.0040 kg/MT
Emual boost		0.00030 kg/MT	0.0006 kg/MT
Kelvex-P		0.00380 kg/MT	0.0015 kg/MT
Kelvex 220		00 kg/MT	00 kg/MT
Kelvex 500		0.00490 kg/MT	0.0060 kg/MT
Energel		0.00230 kg/MT	0.0031 kg/MT

PART-C

POLLUTION DISCHARGE TO ENVIRONMENT / UNIT OF OUTPUT

Pollutants	Quantity of pollutants discharged (Ton/Day)	Concentration of pollutants in discharge (Mass/Volume)	Percentage of variation from prescribed standards with reasons		
(a) Water	NIL				
(b) Ambient Air Emission (yearly average)					
Location	Parameters				
	PM10 (µg/m3)	PM2.5 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)
Near Mines office	53.5	29.7	11.7	27.2	693
Near Ravana office	58.7	30.6	13.3	25.9	604

Noise level monitoring data

Month	Near Mine Office		Near Ravana Office	
	NOISE LEVEL dB(A)			
	Day Time	Night Time	Day Time	Night Time
Apr-22	63.6	42.5	65.9	47.6
May-22	60.5	49.2	58.5	41.2
Jun-22	67.8	41.0	69.3	48.2

<b>Jul-22</b>	69.7	44.5	71.3	52.4
<b>Aug-22</b>	66.5	43.2	68.9	50.8
<b>Sep-22</b>	65.1	47.8	67.3	53.6
<b>Oct-22</b>	58.3	41.4	54.2	43.8
<b>Nov-22</b>	61.2	43.9	58.6	45.9
<b>Dec-22</b>	55.4	45.4	50.2	47.6
<b>Jan-23</b>	64.2	51.2	63.9	49.6
<b>Feb-23</b>	69.4	52.2	66.7	50.2
<b>Mar-23</b>	65.1	50.2	64.6	49.6

#### **PART-D**

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

<b>Hazardous waste</b>	<b>Total Quantity (Ltrs.)</b>	
	<b>During previous financial year (2021-22) (KL)</b>	<b>During current financial year (2022-23) (KL)</b>
(a) From process	Used oil (5.1)- 8.60 Waste oil (5.2)- 11.0	Used oil (5.1)- 40.4 Waste oil (5.2)-19.0
(b) From pollution Control facilities	Not applicable	Not applicable

\*including Cement Plant, CPP, WHRS, Mines & Colony. Hazardous waste generated are being sold to authorized recycler by CPCB.

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

		<b>Total Quantity</b>	
		<b>During previous financial year (2021-22) (MT/Year)</b>	<b>During current financial year (2022-23) (MT/Year)</b>
(a)	<b>From process</b>	Not applicable	
(b)	<b>From pollution control facility</b>		
(c)	<b>1. Quantity rejected or reutilized with in the unit 2. Sold (Metal / nonmetal / electrical / plastic scrap / burst bags)</b>		
	<b>3. Disposed</b>		

#### **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.**

There is no hazardous as well as Solid Waste produced.

#### **PART-G**

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

- Periodically preventive maintenance of Heavy earth moving machinery to meet the emission level below the prescribed limit.
- Wet drilling technology adopted to reduce fugitive dust emission.
- Water tanker deployed for water sprinkling on haul road.
- Green belt developed to reduce the noise level.
- Periodically measurement of air quality.
- Closed cabins facilitated in HEMM to reduce the noise level. All required PPE's are provided to all workmen.
- To reduce the vibration during blasting unit is using NONEL technology (Non Electric initiation system).
- Blasting between 12.00 noon to 3.00 PM when air density is low.
- Use of Air Decking & sufficient column stemming in the blast holes.

#### **PART-H**

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

##### **Expenditure incurred on environment protection measures during FY 2022-23**

<b>S. No.</b>	<b>Activity</b>	<b>Recurring cost per annum (Rs. in Lacs)</b>
<b>1.</b>	Pollution control expenses (Others)	0.63
<b>2.</b>	Pollution control expenses (Statutory)	6.06
<b>3</b>	Gardening Expenses	3.15
<b>Total (Rs in Lacs.)</b>		<b>9.84</b>

#### **PART-I**

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

- 1) Monitoring of ambient air and water quality is being done regularly as mentioned in Consent to operate.
- 2) Emission level well within the prescribed norms.
- 3) Two CAAQMS has been installed in Maliakhera limestone mines and real time ambient air quality data is connected with CPCB & SPCB Portal
- 4) Water sprinkling is being done on haul road and mining area to suppress fugitive dust emission.
- 5) Total 38.75 ha. area is covered under plantation with 68363 nos. of plantation till 31<sup>st</sup> March 2022. Apart from this we have planted 10952 saplings in FY2022-2023 in 3.29 Ha.

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