

NBH/PC/ESR/

Date: 24.09.2024

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 2023-2024 of Maliakhera 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 Maliakhera Limestone Mine & L S Crusher with OLBC, s (02Nos.) for the FY 2023-24 for your reference and record. We believe you will find the same in order.

Thanking You.

Yours Faithfully  
For J.K. Cement Works, Nimbahera



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



**ENVIRONMENTAL STATEMENT FORM - V**

Environmental Statement for the financial year 2023-24, ending the 31<sup>st</sup> March 2024

**PART-A**

<b>i. Name an address of the owner /occupier of the industry operation process</b>	<b>Maliakhera Limestone Mine (ML no 04/03) &amp; L.S Crusher with OLBCs (01 Nos.)</b> <b>J.K Cement Works, Nimbahera</b> Kailash Nagar, Tehsil: Nimbahera, Chittorgarh (Rajasthan) PIN- 312617
<b>ii. Industry Category</b> <b>Primary - (STC Code)</b> <b>Secondary - (STC Code)</b>	Primary
<b>iii. Production Capacity</b>	6.30 MMTPA Total excavation (Cement grade Limestone - 5.60 MMTPA) LS crusher (1500TPH) & OLBC.
<b>iv. Year of establishment</b>	1989
<b>v. Date of last environmental statement submitted</b>	22.09.2023

**PART-B**

**WATER AND RAW MATERIAL CONSUMPTION**

**i. WATER CONSUMPTION in m<sup>3</sup>/day**

**Process** :- 160 m<sup>3</sup>/day (Spray on road/mining & wet drilling)

**Cooling** :- Nil

**Domestic** :- 1.0 m<sup>3</sup>/day

Name of products	Process water consumption per unit of products	
	During the previous financial year (2022-23) (KL/Unit)	During the current financial year (2023-24) (KL/Unit)
1. Limestone	0.01015	0.00528

ii. RAW MATERIAL CONSUMPTION

Name of raw material	Name of products	Consumption of raw material per unit of output	
		During the previous financial year (2022-23)	During the current financial year (2023-24)
High speed diesel (HSD)	Limestone	0.3981 litre/MT	0.3917 litre/MT
Ammonium Nitrate		0.0904 Kg/MT	0.0802 Kg/MT
Dyneax Boost		0.0001 kg/MT	0.0001 kg/MT
Kelvex 600		0.0048 kg/MT	0.0058 kg/MT
Aquadyne		0.0040 kg/MT	0.0016 kg/MT
Emual boost		0.0006 kg/MT	0.0003 kg/MT
Kelvex-P		0.0015 kg/MT	0.0017 kg/MT
Kelvex 220		00 kg/MT	00 kg/MT
Kelvex 500		0.0060 kg/MT	0.0071 kg/MT
Energel		0.0031 kg/MT	0.0011 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	64.8	30.6	8.5	17.8	527
Near Ravana office	62.9	27.6	8.2	20.2	544

**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	70.1	51.7	68.4	48.4
May-22	62.7	50.3	64.1	51.7
Jun-22	68.9	49.6	65.2	47.4
Jul-22	65.7	50.2	64.9	51.8
Aug-22	68.4	52.2	66.4	50.2
Sep-22	64.1	51.7	63.2	52.3
Oct-22	64.6	48.6	62.7	50.1
Nov-22	60.7	49.8	61.4	54.6
Dec-22	62.1	48.2	64.2	49.6
Jan-23	66.2	49.1	65.1	52.1
Feb-23	61.3	49.7	62.3	52.1
Mar-23	66.8	48.1	62.1	49.7

**PART-D**

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

Hazardous waste	Total Quantity (Ltrs.)	
	During previous financial year (2022-23) (KL)	During current financial year (2023-24) (KL)
(a) From process	Used oil (5.1)- 40.4 Waste oil (5.2)-19.0	Used oil (5.1)- 19.69 Waste oil (5.2)-0.0
(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**

		Total Quantity	
		During previous financial year (2022-23) (MT/Year)	During current financial year (2023-24) (MT/Year)
(a)	From process	Not applicable	
(b)	From pollution control facility		
(c)	1. Quantity rejected or reutilized with in the unit 2. Sold (Metal / nonmetal / electrical / plastic scrap / burst bags)		
	3. Disposed		

**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 2023-24**

<b>S. No.</b>	<b>Activity</b>	<b>Recurring cost per annum (Rs. in Lacs)</b>
<b>1.</b>	Pollution control expenses (Others)	0.47675
<b>2.</b>	Pollution control expenses (Statutory)	6.28397
<b>3</b>	Miscellaneous Pollution control Expenses	1.00
<b>Total (Rs in Lacs.)</b>		<b>7.76072</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 36.325 ha. area is covered under plantation with 78068 nos. of plantation till 31<sup>st</sup> March 2023. Apart from this we have planted 8871 saplings in FY2023-2024 in 2.40 Ha.

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