

NBH/PC/ESR/21

896

Date: 19.09.2022

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 2021-2022 of Maliakhara 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 Maliakhara Limestone Mine & L S Crusher with OLBC, s (02Nos.) for the FY 2021-22 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)

B. K. Singh

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**JK CEMENT
WallMaxX**
White Cement Wall Putty



ENVIRONMENTAL STATEMENT**FORM - V**

Environmental Statement for the financial year 2021-22, ending the 31st March 2022

PART-A

i. Name an address of the owner/occupier of the industry operation or process	Maliakhera Limestone Mine (ML no. 04/03) & L S Crusher with OLBC,s (02Nos.) J.K. Cement Works, Nimbahera 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	15 th September 2021

PART-B**WATER AND RAW MATERIAL CONSUMPTION****i. WATER CONSUMPTION in m3/day**

Process : - 141 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 (2020-21) (Litres/Unit)	During the current financial year (2021-22) (Litres/Unit)
1. Limestone	5.98	5.78

ii. **RAW MATERIAL CONSUMPTION**

Name of raw material	Name of products	Consumption of raw material per unit of output	
		During the previous financial year (2020-21)	During the current financial year (2021-22)
High speed diesel (HSD)	Limestone	0.779litre/MT	0.332 litre/MT
Ammonium Nitrate		0.0840 kg/MT	0.0806 Kg/MT
Dyneax Boost		0 kg/MT	0 kg/MT
Kelvex 600		0.0028 kg/MT	0.00450 kg/MT
Aquadyne		0.0030 kg/MT	0.00230 kg/MT
Emual boost		0.0002 kg/MT	0.00030 kg/MT
Kelvex-P		0.0050 kg/MT	0.00380 kg/MT
Kelvex 220		0 kg/MT	00 kg/MT
Kelvex 500		0.0039 kg/MT	0.00490 kg/MT
Energel		0.0021 kg/MT	0.00230 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	46.9	34.6	15.6	20.4	611
Near Ravana office	55.2	38.1	18.7	25.9	713

Noise level monitoring data

Month	Near Mine Office		Near Ravana Office	
	NOISE LEVEL dB(A)			
	Day Time	Night Time	Day Time	Night Time
Apr-21	60.8	55.7	61.3	52.6
May-21	62.7	56.9	63.1	53.8
Jun-21	61.6	54.6	64.2	55.3

Jul-21	67.8	58.6	66.3	52.7
Aug-21	63.3	54.1	60.1	44.78
Sep-21	64.4	55.3	58.6	42.3
Oct-21	63.8	59.4	54.1	49.4
Nov-21	64.2	44.3	67.8	48.4
Dec-21	63.2	52.2	60.6	49.5
Jan-22	48.5	38.8	69.4	38.1
Feb-22	54.4	40.2	66.7	36.9
Mar-22	52.2	37.6	60.9	42.7

PART-D

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

Hazardous waste	Total Quantity (Ltrs.)	
	During previous financial year (2020-21) (KL)	During current financial year (2021-22) (KL)
(a) From process	Used oil (5.1)- 26.80 Waste oil (5.2)- NIL	Used oil (5.1)- 8.60 Waste oil (5.2)-11.0
(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 (2020-21) (MT/Year)	During current financial year (2021-22) (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 2021-22

S. No.	Activity	Recurring cost per annum (Rs. in Lacs)
1.	Pollution control expenses (Others)	67.49
2.	Pollution control expenses (Statutory)	6.95
Total (Rs in Lacs.)		74.44

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 29.53 ha. area is covered under plantation with 59060 nos. of plantation till 31st March 2021. Apart from this we have planted 21835 saplings in FY2021-22 in 9.225 Ha.
