

O/C

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SHREE CEMENT LTD.

An ISO 9001, 14001, 45001 & 50001 Certified Company

Regd. Office:

BANGUR NAGAR, POST BOX NO.33, BEAWAR 305901, RAJASTHAN, INDIA

SCL/Nawalgarh/Mines/ESR/2021-2022 1901

Date: 10/09/2021

Speed Post

To,
The Member Secretary
Rajasthan Pollution Control Board
4, Institutional Area, Jhalana Doongri Road
JAIPUR-302004 (Rajasthan)

Mines Cell

Sub:- Environmental Statement for the period from April 2020 to March 2021 for Nawalgarh Limestone Mines of M/s Shree Cement Limited situated near Village-Gothra Choudhani Devgaunand Kheswa Ki Dhani ,Tehsil-Nawalgarh,District-Jhunjhunu (Raj)

Ref: - CTO No.- F(Mines)/Jhunjhunu(Nawalgarh)/25(1)/2019-2020/1108-1112 dated 20/06/2019

Respected Sir,

Since mining operation activity at aforesaid mine yet not started. However, we are submitting herewith the Environmental Statement under rule 14 of The Environment (Protection) Rules 1986 for **Nawalgarh Limestone Mines** (A Captive Mine of Shree Cement Ltd.) situated near Village-Gothra Choudhani Devgaunand Kheswa Ki Dhani ,Tehsil-Nawalgarh,District-Jhunjhunu (Raj) for the **period from April 2020 to March 2021**

This is for your kind information and record please.

Thanking you,
Yours faithfully,

For Shree Cement Limited;


(Dr. Anil Kumar Trivedi)
Sr. GM (Environment)

Encl: a/a

Copy to:-

1. Deputy Director General of Forests (C), Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Jaipur , A-209&218, Aranya Bhawan, Mahatma Gandhi Road, Jhalana Institutional Area, Jaipur – 304002, Rajasthan
2. The Regional Officer (Regional Office), Rajasthan State Pollution Control Board, C.P.1/90, Rajcomplex, 1st Floor, RIICO Industrial Area Phase-2, Jhunjhunu (Raj.)

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O/C
SCL RAS

ENVIRONMENTAL STATEMENT

FORM - V

Nawalgarh Limestone Mine

M/s Shree Cement Limited

Period from: April 2020 to March 2021

PART - A

1.	Name and address of the Owner / Occupier of the Industry operation or process	Nawalgarh Limestone Mine M/s Shree Cement Ltd; near Village-Gothra Choudhani Devgaunand Kheswa Ki Dhani ,Tehsil-Nawalgarh,District- Jhunjhunu (Raj)
2.	Industry Category Primary (S.T.C. Code) Secondary (S.T.C. Code)	Red Category
3.	Production Capacity	3.2 Million TPA Limestone
4.	Year of Establishment	2007
5.	Date of the last Environmental Statement Submitted	10.09.2020

PART - B

WATER AND RAW MATERIAL CONSUMPTION

Water consumption	
Process (Dust suppression, Crusher)	00 KL
Domestic	00 KL

1. Water Consumption

Name of Products	Process Water Consumption Per Unit of Output (KL / MT of Limestone)	
	During Previous Financial Year (2019-2020)	During Current Financial Year (2020-2021)
Mining of Limestone	0.00	0.00

2. Raw Material Consumption:

Name of Raw Materials	Name of Products	Consumption of raw material per unit of output	
		During Previous Financial Year (2019-2020)	During Current Financial Year (2020-2021)
Not Applicable			

3. Power Consumption (KWH/T of Limestone):

During Previous Financial Year (2019-2020)	During Current Financial Year (2020-2021)
0.00	0.00

4. Total Limestone Production (in Lac Tones):

During Previous Financial Year (2019-2020)	During Current Financial Year (2020-2021)
0.00	0.00

PART - C

DISCHARGED TO ENVIRONMENT / UNIT OF OUTPUT

Pollutants	Quantity of pollutants discharged (mass/day)	Concentration of pollutants in discharges (mass/volume)	Prevent age of variation from prescribed standards with reasons
(a) Water	NA		
(b) Air	NA		

PART - D

HAZARDOUS WASTES

As specified under Hazardous Wastes (Management, Handling & Trans boundary Movement Rules, 2016

Hazardous Waste	Total Quantity (Kg.)	
	During Previous Financial Year (2019-2020)	During Current Financial Year (2020-2021)
(a) From Process	N.A.	N.A.
(b) From Pollution Control Facilities	N.A.	N.A.

PART - E

SOLID WASTE

		Total Quantity	
		During Previous Financial Year (2019-2020)	During Current Financial Year (2020-2021)
(a)	From process	Not Applicable	
(b)	From pollution control facility	Not Applicable	
(c)	1. Quantity recycled or re-utilized within the unit	Not Applicable	
	2. Sold	Not Applicable	
	3. Disposed: During mining of limestone disposed of overburden. (in Lac tones) *	N.A.	N.A.

- Overburden will be dumped in overburden dump yard.

PART - F

Please specify the characterization (in terms of composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both the categories of wastes:

Hazardous Wastes

No Hazardous waste will be generated from the process except used oil which will be drained from Machineries / Equipments. The used oil & Lead acid batteries will be sold to CPCB authorized recyclers after plant will operate.

Bio-Medical Wastes:

Bio-medical waste generated will be common for cement plant, power plant and mines. There is no BMW was generated in current financial year April 2020 to March 2021 as the mine and plant is not in operation. Details are as follows:-

Period	Bio-Medical Waste Quantity (Kg) as per Color Coding			
	Red	Blue	Yellow	White
April 2019 to March 2020	N.A.	N.A.	N.A.	N.A.
April 2020 to March 2021	N.A.	N.A.	N.A.	N.A.

E- Wastes:

	Total Quantity	
	During Previous Financial Year (2019-2020)	During Current Financial Year (2020-2021)
From Process	Nil	Nil
From Pollution Control Facility	Nil	Nil

Solid Wastes: - N.A.

Battery Wastes:

As specified under Batteries (Management and Handling) Amendment Rules, 2010, common for cement plant, power plant and mines –

2.	Number of used batteries of categories mentioned in Sl. No 3 and Tonnage of scrap sent manufacturer /dealer /importer /registered recycler/or any other agency to whom the used batteries scrap was sent	Previous Year 1 st Apr 2019 to 31 st Mar 2020		Current Year 1 st Apr 2020 to 31 st Mar 2021	
		(i) No. of Batteries	(ii) Approximate Weight (In Metric Tonnes)	(i) No. of Batteries	(ii) Approximate Weight (In Metric Tonnes)
	Category:				
	(i) Automotive				
	a) Four wheeler	Nil	Nil	Nil	Nil
	b) Two wheeler	Nil	Nil	Nil	Nil
	(ii) Industrial				
	a) UPS	Nil	Nil	Nil	Nil
	b) Motive Power	Nil	Nil	Nil	Nil
	c) Stand -by	Nil	Nil	Nil	Nil
	(iii) Others	Nil	Nil	Nil	Nil
	Total	0.0 Nos	0.0 MT	0.0 Nos	0.0MT

Used battery scrap will be sold to CPCB authorized recycler after plant and mine will operate.

PART - G

In respect of the pollution abatement measures taken up on conservation of natural resources and on the cost of production: -

1. Low grade limestone will be used with high grade limestone for conservation of limestone.
2. Water sprinkler system will be used for water spraying on haulage road.
3. Controlled blasting will be done for further reduction of fugitive emissions.
4. Pit and ponds will be constructed for collecting rain water, by doing this we will reduce the use of ground water.

PART - H

Additional measures / investment proposal for environment protection including abatement & prevention of pollution: -

1. Blasting will be done by using of shock tube detonators (Down line detonators in combination of Noise less trunk line detonators) which is latest technology available, resulting in reduction of noise level and ground vibration to a great extent.

2. We will use Rock breakers for breaking of oversize boulders instead of secondary blasting which eliminated vibration, noise, fly rocks & reducing greenhouse gases which have caused due to secondary blasting.
3. Massive plantation will be carried out within and outside mine lease area. Native and local species of trees and shrubs will be planted in mine lease area.
4. Operator independent truck dispatch system (OITDS) will be installed for reducing down time heavy earth equipment's thereby reducing emissions.
5. Closed unloading hopper with water sprinkling arrangement will be provided for unloading of limestone.

PART - I

Any other particular for improving the quality of the environment: -

1. Wet drilling system/dust cyclone precipitator with drilling machine will be used while drilling so that dust is suppressed immediately and the same drill cutting will be used as stemming material for blast hole.
2. The haul road will have maintained using motor grader and soil compactor. Water will have sprayed on haul road by sprinkler attached with tipper (water tanker).
3. Dust generated during unloading of limestone in hopper will be suppressed by Water spraying in the form shower with pressure from nozzle fitted to main water pipe line (Atomized water sprinkler system) in both of crusher, so that dust will not have generated while crushing is suppressed. Water will be sprinkled at material transfer chute to prevent generation of dust.
4. Control Blasting will be done which has low velocity of detonation therefore air pollution will very meager. Non electric blasting system will be used to reduce ground vibration.
5. All personal protective equipment (PPE's) will provided to all Mine Employee / workers i.e. Dust-Masks (Respirator), Ear Plug, Eye Goggle, Ear Mark etc concern to them as additional measures of air & noise control.
6. Construction of grease and oil catchers at washing ramp to avoid pollution. Separated oil and grease from above catchers will have sent to plant with used oil.
7. We will established an organizational structure for Environment Management to carry out implementation of environment measures envisaged in the EMP.
8. Full flashed environment laboratory will be established to monitors ambient air quality for PM10, PM 2.5, SO₂, NO₂ and Noise level.