

LQ/OSPCB/005/2024-100
September 24, 2024.

To,
The Member Secretary
State Pollution Control Board, Odisha
Paribesh Bhawan,
A/118, Nilakantha Nagar,
Unit-VIII, Bhubaneswar-751 012

Sub: Submission of Environmental Statement (Form V) for the Financial Year ending 31st March 2024.

Dear Sir,

With reference to the above subject matter, we are herewith submitting the environmental statement in Form V (generated online) of M/s Lanjiberna Limestone & Dolomite Mines of M/s Dalmia Cement Bharat Limited, at Lanjiberna, District – Sundargarh, Odisha for the financial year ending 31st March 2024.

This is for your kind information please.

Thanking you,

Yours sincerely,
For **Dalmia Cement Bharat Limited,**



Ashok Kumar Mishra
Head – Environment

Encl: Form V

CC: 1. The Regional Officer, OSPCB, Rourkela.
2. Addl. PCCF (C), Regional Office (Eastern Zone), MoEF&CC, Bhubaneswar.

"FORM - V"

(See Rule 14)
(Environmental Protection Rules, 1986)

ENVIRONMENT STATEMENT FOR THE FINANCIAL YEAR ENDING 31st March 2024

PART - A

- (i) Name and address of the owner/
occupier of the industry operation
or process. : Lanjiberna Limestone & Dolomite Mines,
Dalmia Cement Bharat Limited
(Formerly known as OCL India Limited)
At/Po: Lanjiberna-770023
District - Sundargarh (Odisha)
- (ii) Industry category
Primary - (STC Code) : Fully Mechanized (Category- A Mines)
Secondary - (SIC Code)
- (iii) Production capacity - Units : Limestone: 9.50 MTPA
Dolomite: 0.08 MTPA
Reject /Aggregate: 7.42 MTPA
- (iv) Year of Establishment : 01.03.1990
- (v) Date of the last environmental
Statement submitted : 27.09.2023

PART - B

Water and Raw Materials Consumption

(1) Water consumption m³/d.

Process : 0
Cooling : 0
Domestic : 19.68 m³/day

Nature of products	Process Water consumption per unit of product output	
	During the previous financial year FY 2022-23	During the current financial year FY 2023-24
Limestone	0	0
Dolomite	0	0
Rejects	0	0

(2) Raw Material Consumption – Not Applicable as it is a mining project.

* Nature of consumption	Process Raw Material Consumption per unit of product output		
	Quality of product	During the previous financial year FY 2022 - 23	During the current financial year FY 2023 - 24
NA	NA	NA	NA

* Industry may use codes if disclosing details of raw materials would violate contractual obligations, otherwise all industries have to name the raw materials used.



PART – C

Pollution discharged to environment/unit of output.

(Parameter as specified in the consent issued)

Pollutants	Quantity of pollutants discharged (mass/day)	Concentration of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standards with reasons
(a) Water	Effluent is treated & recycled	Effluent is treated & recycled	Effluent is treated & recycled
(b) Air	Crusher PM – 232.66 (kg/day)	82.3 mg/Nm ³	17.67

PART – D

Hazardous Wastes

(As specified under Hazardous Wastes/Management and Handling Rules, 1989)

Hazardous Wastes	Total Quantity (kg)	
	During the previous financial year FY 2022-23	During the current financial year FY 2023-24
(a) From process	<ul style="list-style-type: none">• Used / Spent Oil – 6.67 T,• Used Filters – 0.5 T,• Barrels/Containers used for handling of Hazardous wastes /Chemicals – 8.80 T• Waste/Residue Containing Oil - 0.2 T• Sludge & Filters Contaminated with oil – 0 T	<ul style="list-style-type: none">• Used / Spent Oil – 17.16T,• Sludge & Filters Contaminated with oil – 1.45 T,• Barrels/Containers used for handling of Hazardous wastes/Chemicals – 4.21 T,• Sludge & Filters Contaminated with oil – 0 T
(b) From pollution control facilities	Nil	Nil

PART – E

Solid Wastes

	Total Quantity	
	During the previous financial year FY 2022-23	During the current financial year FY 2023-24
a) From process	NA	NA
b) From pollution control facilities	NA	NA
c) Quantity recycled or reutilized within the Unit.	NA	NA
d) Sold	NA	NA
e) Disposed	NA	NA



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 these categories of wastes.

- Used oil (Category 5.1, as per Schedule-I) and Waste / Residue containing oil (Category 5.2 as per Schedule-1) which is collected in drums & stored in designated HW Storage Sheds before being disposed to authorized recyclers / re-processors.
- Discarded Containers, Used Filters are stored in designated places and disposed to authorized recyclers as well as used in our cement kiln.

PART - G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

Water Conservation:

1. Around 913000 KL of rainwater harvested for further use in dust suppression and Plantation activities.
2. Installation of a new 75 KLD STP at Lanjiberna Colony to treat the domestic sewage /wastewater.
3. Revamping of the existing 25 KLD ETP with the latest MBBR technology for treatment & recycling of water.

Energy Conservation:

1. Maximized use of Biodiesel in HEMM used for mining.
2. Use of fuel additives for reduction in HSD Consumption.
3. Self-activation of Auto economy mode in all dumpers and use of economy mode in excavators during operation.
4. Use of LED lights in newly installed high mast towers.
5. Installation of power saver panel at Crusher to reduce light power.
6. Reduced tripping time to minimize idle running of crusher.

PART - H

Additional measures/investment proposed for environmental protection including abatement of pollution, prevention of pollution.

- Expenditure incurred for environment and Pollution control is Rs. 3.243 Crores.

Additional Investment Proposed:

1. Deployment of additional truck mounted mist cannon with an annual expenditure of 60 Lakhs.
2. Installation of a new Bag house for the new Limestone Crushing Plant.



PART - I

Any other particulars for improving the quality of the environment.

1. Increased use of Biodiesel in HEMM used for mining.
2. Replacement of Old drilling machines with new fuel-efficient driller leading to saving of 0.6 L per ton.
3. Around 3200 tree saplings planted and distributed in colony.
4. Installation of Cold Fog Dust Suppression System in in crusher hopper and belt conveyor discharge chute.
5. Systematic & Scientific Development of Mines & Mineral Conservation by using surpac software.
6. Wet Drilling Process with AC Cabin for Operator.
7. Fixed Type Mist Cannons deployed in Crusher Hopper Area to Eliminate dust emission.
8. Splitter operation carried out in Village Periphery area to eliminate Noise, Ground Vibration and dust emission.

Remarks:

Lanjiberna Mines is committed towards environmental pollution control and is working towards conservation of natural resources and energy.

