Dalmia cement
FUTURE TODAY

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DDSP/OSPCB/004/2025-26/105
September 18, 2025.

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 in Form V of Dalmia DSP unit at M/s Dalmia Cement Bharat Limited at Rajgangpur for the Financial Year ending 31st March 2025.**

Dear Sir,

With reference to the above subject matter, we are herewith submitting the environmental statement in Form V (generated online) of Dalmia DSP Unit, M/s Dalmia Cement Bharat Limited at Rajgangpur, District – Sundargarh, Odisha for the financial year ending 31st March 2025.

This is for your kind information please.

Thanking you,

Yours sincerely,

For **Dalmia Cement Bharat Limited,**

Akmishra.

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)

ENVIRONMENT STATEMENT FOR THE FINANCIAL YEAR ENDING 31st MARCH, 2025

PART - A

(i) Name and address of the owner/ occupier of the industry operation or process.	:	Venkatesan Thyagarajan Dalmia DSP Unit of M/s Dalmia Cement Bharat Limited Rajgangpur 770017, District - Sundargarh (Odisha)
(ii) Industry category Primary - (STC Code) Secondary - (SIC Code)	:	Red A, Cement
(iii) Production capacity - Units	:	Clinker – 3.9 MTPA WHRB – 15 MW
(iv) Year of Establishment	:	2019
(v) Date of the last environmental statement submitted	:	24.09.2024

PART - B

Water and Raw Materials Consumption

(1) **Water consumption m^3/d.**

Process: 0
Cooling: 0
Domestic: 62 m^3/Day

Nature of products	Process Water consumption per unit of product output	
	During the Previous Financial Year (2023-24)	During the Current Financial Year (2024-25)
Clinker	0	0

(2) **Raw Material Consumption** –

Name of Raw Material	Name of Product	Consumption of Raw Material per unit	
		During the Previous Financial Year (2023-24)	During the Current Financial Year (2024-25)
Limestone	Clinker	1.4865	1.3898
Ash	Clinker	0.0307	0.0015
Morrum & Red Mud	Clinker	0.0536	0.0644
Sandstone & others	Clinker	0.0134	0.0176
Slag	Clinker	0.0475	0.0067
Pet Coke	Clinker	0.0683	0.0743
AFR	Clinker	0.0540	0.0497

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

DALMIA DSP UNIT IPLOI RAJGANGPUR

PART - C

Discharged to environment/unit of output specified if 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
Water	Zero Effluent Discharge	Zero Effluent Discharge	Zero Effluent Discharge
Air	Kiln & Raw Mill RABH PM –184.64 Kg/Day	9.92 mg/Nm³	66.94 % Lower
Air	Kiln & Raw Mill RABH SO2 –645.93 Kg/Day	34.21 mg/Nm³	65.79 % Lower
Air	Kiln & Raw Mill RABH NOx–3327.54 Kg/Day	175.11 mg/Nm³	70.82 % Lower
Air	Cooler ESP PM – 101.94 Kg/Day	18.83 mg/Nm³	37.22 % Lower
Air	Coal Mill PM – 31.63 Kg/Day	9.42 mg/Nm³	68.61 % Lower

PART - D

Hazardous Wastes

(As specified under Hazardous Wastes/Management and Trans-Boundary Rules 2016)

Hazardous Wastes	Total Quantity (in Ton)	
	During the Previous Financial Year (2023-24)	During the Current Financial Year (2024-25)
(a) From process	• Used oil / Spent oil – 4.43 T	• Used oil /Spent oil – 0.89 T
(b) From pollution control facilities	NA	NA

PART – E

Solid Wastes

	Total Quantity (in Ton)	
	During the Previous Financial Year (2023-24)	During the Current Financial Year (2024-25)
a) From process	Nil	Nil
b) From pollution control facility	Dust Collected is completely recycled in the cement manufacturing process	Dust Collected is completely recycled in the cement manufacturing process
c) (1) Quantity recycled or reutilized within the Unit.	Nil	Nil
(2) Sold	Nil	Rubber Wastes – 29.75 T E Waste – 2.27 T
(3) Disposed	Nil	Nil

PART - F

Please specify the characterizations (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.
- Rubber wastes, E-wastes and Battery wastes disposed through sale to EPR registered authorized recyclers and re processors.

PART - G

Water Conservation:

Increase in quantity of recycled water from 529 m^3/Day to 607 m^3/Day for cooling, Dust suppression, vehicle washing and green cover development as well as horticulture.

Energy Conservation:

1. Replacement of conventional lights with LED resulting in saving of 1.68 Kwh / day.
2. Reduce false air across Coal mill Circuit resulting in saving 17.60 Kwh / day.
3. Optimize the operation of Reverse Air to reduce RABH fan power resulting in saving of 42.24 Kwh / day.

PART - H

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

Environment Expenditure incurred:

- **Capital:** Rs. 187.55 Lakhs
- **Revenue:** Rs. 27.84 Lakhs

Additional Investment Proposed:

1. Upgradation of 1800 KLD STP with the latest state of the art technology.
2. Installation of New ETP at Line-3 for leachate treatment from AFR Storage area.
3. Construction of covered shed with garland drains for storage of RW.
4. Deployment of Mechanical road sweeper to control fugitive dust on road.

PART – I

Any other particulars for improving the quality of the environment.

1. Total 10772 saplings have been planted with a survival rate of more than 82%.
2. Fixed Type Water sprinkling system installed at all around the road inside plant premises to control fugitive dust emission.
3. 122140 MT of municipal solid waste has been coprocessed in our Cement Kiln.
4. Environment awareness training program imparted to workers and executives for improving the quality of environment.
5. World Environment Day – 2024 celebrated among school children from local community followed by theme-based competitions.

Remarks:

Dalmia Cement Bharat Limited is taking sustainable initiatives towards promoting circular economy & is actively handling increased quantity of solid wastes.

DALMIA DSP UNIT-I
KURLOI, RAJGANGPUR

Dalmia Cement Bharat Limited (DSP Unit), Rajgangpur

A. Raw Material Details:

Name of Raw Materials	Name of Products	Consumption of Raw Material (Metric Ton)	
		During the Previous FY 2023-24	During the Current FY 2024-25
Limestone	Clinker	3074993	3486052
Ash		38054	3711
Morrum & Red Mud		110806	161456
Sandstone		27629	44031
Slag		98292	16836
Pet coke		141214	186412
AFR		111709	124586

B. Production Details:

Name of products	UOM	Production	
		During the Previous FY 2023-24	During the Current FY 2024-25
Clinker	Tons	2068606	2508368
Power			
WHRB (15MW)	MWh	63951	90971
Solar	MWh	1744	1636

DALMIA DSP UNIT
BOLOI, RAJGANGPUR