



CIN: L2942OR1985PLC001557

SHIVA CEMENT LIMITED

AT.: TELIGHANA
P.O. BIRINGATOLI
TEHSIL : KUTRA
DIST.: SUNDARGARH,
ODISHA, INDIA, PIN 770018

SCL/KKBL/2021-22/Form V

14.09.2022

To

The Member Secretary
State Pollution Control Board, Odisha
Department of Forest & Environment, Govt. of Odisha
Paribesh Bhawan, A/118, Nilakantha Nagar, Unit – VIII
Bhubaneswar – 751012, Odisha.

Sub: Environmental Statement for the financial year ending 31st March, 2022 for Khatkurbahal L/D Mines of M/s Shiva cement Limited.

Dear Sir

With reference to the above mentioned subject, please find enclosed Environmental Statement in Form V prescribed under Rule 14 of the Environment (Protection) Rules 1986, for Khatkurbahal L/D Mines of M/s Shiva cement Limited for the financial year ending 31st March 2022.

Kindly acknowledge the receipt.

Thanking You,

Yours faithfully
For Khatkurbahal L/D Mines
Of M/s SHIVA CEMENT LIMITED

(Anil Mishra)
Unit Head

Encl:

Annual Environment Statement for the FY 2021-22

Copy to :

Regional Officer, OSPCB, Sector – 5, Rourkela – 769002, Dist. Sundargarh (Odisha)

[FORM – V]

(See Rule 14)

Environmental statement for the *financial* year ending the 31st March 2022

PART – A

- (i) Name and address of the owner/occupier of the industry operation or process. : Manoj Kumar Rustagi (Whole Time Director)
Khatkurbahal L/D Mines
At. Khatkurbahal, PO. Biringatoli
Dist. Sundargarh, Odisha, PIN - 770018
- (ii) Industry category Primary – (STC Code) Secondary – (SIC Code) :
- (iii) Production capacity – Units : 1,20,000 MT Year
- (iv) Year of Establishment : 1997
- (v) Date of last environmental statement submitted : 22.09.2021

PART – B

Water and Raw Material Consumption

- (i) Water consumption m³/d
- Process : N.A.
- Cooling : 20 KLD (Water Sprinkling)
- Domestic : 05 KLD

Sl. No.	Name of Products	Process water consumption per unit of product output.	
		During the previous financial year	During the current financial year
(1)	Limestone	N.A.	N.A.
(2)			
(3)			

- (ii) Raw Material consumption

Sl. No.	*Name of raw Materials	Name of Products	Consumption of raw materials per unit of out put	
			During the previous financial year	During the current financial year
(1)	LIMESTONE	LIMESTONE	NA	NA
(2)				
(3)				
(4)				
(5)				
(6)				

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

PART – C

Pollution discharges to environment/unit of output (Parameter as specified in the consent issued)

(1)	Pollutants	Quality of Pollutants discharges (mass/day)	Concentrations of pollutants discharges (Mass/volume)	Percentage of variation from prescribed standards with reasons.
(a)	Water	Nil	Nil	Nil
(b)	Air	Ambient Air Monitoring report is attached as Annexure-I		Nil

PART – D

HAZARDOUS WASTES

(As specified under [Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008])

Sl. No.	Hazardous Wastes	Total Quantity (Kg.)	
		During the previous financial year	During the current financial year
1.	USED/SPENT OIL	Nil	Nil

- (a) From process : **NIL**
 (b) From pollution control facilities : **NIL**

PART – E

Solid Waste

Sl. No.	Solid Wastes	Total Quantity (Kg.)	
		During the previous financial year	During the current financial year
1.	Overburden	Nil	Nil
2.	Top soil	2,98,27,830	12,71,49,640

- (a) From process : **Nil**
 (b) From pollution control facilities : **Nil**
 (c) (1) Quantity recycled or re-utilized within the unit : **Nil**
 (2) Sold : **Nil**
 (3) Disposed : **Nil**

PART – F

Please specify the characterizations (in terms of composition of quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes. NA

PART – G

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

- ✓ Two nos. of settling tanks are available in mines to arrest the silt and sedimentation.
- ✓ Mines surface runoff water is being used for watering in mine area, roads & also utilized for vegetation development in & around the mines.
- ✓ Appropriate size of garland drain & Settling tank has been constructed to prevent the runoff water & flow of sediments.
- ✓ Dedicated water tanker has been deployed for spraying of water on haul roads and other dust prone areas to control fugitive emission in mining area.
- ✓ Plantation is being carried out inside the mines as well as periphery of the mines.
- ✓ Monthly Environment Monitoring has been carried out by an NABL accredited agency.

PART – H

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

- ✓ Environmental monitoring display board has been installed at the main gate of the Mines.
- ✓ Appropriate size of garland drain & Settling tank has been constructed to prevent the runoff water & flow of sediments.
- ✓ Water Sprinkling is being carried out on daily basis through a dedicated Water tanker.
- ✓ Vehicles are regularly maintained and the emissions are under control. Limestone is transported from Mines to Plant through vehicles which is covered with tarpaulin.
- ✓ Water flow meter has been fixed to track the ground water consumptions.

PART – I

Any other particulars for improving the quality of the environment.

Total 400 numbers of saplings planted in both inside Mine lease area, OB dump area & Safety Zone area.

Dt: 13.09.2022



**For Khatkurbahal L/D Mines
M/s Shiva Cement Limited**


**Anil Mishra
Unit Head**

Annexure-I

AMBIENT AIR QUALITY REPORT (AVG.) FY2021-22

Sl. No.	Locations	FY 21-22	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1	Office Site (South)	Average	57.1	30.9	6.8	20.2	0.31
2	Mining Site (South)		60.3	32.8	6.5	19.5	0.29
3	Khaturbahal Village		45.4	23.8	6.3	18.9	0.27