



A SUBSIDIARY OF
JSW Cement

SCL/2023/Form V/153

27th September 2023

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, 2023
for M/s Shiva cement Limited.**

Dear Sir,

With reference to the above-mentioned subject, please find enclosed herewith the Environmental Statement in the Form V prescribed under Rule 14 of the Environment (Protection) Rules, 1986, for M/s Shiva Cement Limited for the Financial Year ending 31st March 2023.

Kindly acknowledge the receipt.

Thanking You,

Yours faithfully,
For M/s SHIVA CEMENT LIMITED

for
Anil Mishra
Unit Head



Encl:

Annual Environment Statement for the FY 2022-23

Copy to :

Regional Officer, OSPCB, Panposh, Rourkela –769004, Dist. Sundargarh (Odisha).

SHIVA CEMENT LIMITED

CIN: L26942OR1985PLC001557

Registered Office address: - Village Telighana, PO: Birangatoli, Tahsil-Kutra, District-Sundargarh, Odisha- 770018

E-mail – id : corporate@shivacement.com, Phone : (Off) 8926964242, Website : www.shivacement.com

[FORM – V]

(See Rule 14)

Environmental statement for the financial year ending the 31st March 2023

PART – A

- (i) Name and address of the owner/occupier of : **SRI MANOJ KUMAR RUSTAGI**
the industry operation or process **M/s. Shiva Cement Limited**
Vill : Telighana, PO. Biringatoli,
Via. Kutra, Dt. Sundargarh (Odisha)
PIN - 770018
- (ii) Industry category Primary – (STC Code) : **NA**
Secondary – (SIC Code) : **3241**
- (iii) Production Capacity – Units : **WHRS – 9MW**
Clinker: 0.66 MTPA
- (iv) Year of Establishment : **1998**
- (v) Date of last environmental statement submitted: **14.09.2022**

PART – B

Water and Raw Material Consumption

- (i) Water consumption m3/d
Process : 180 m3/day
Cooling : Nil
Domestic : 2.6 m3/day

Name of Products	Process water consumption per unit of product output	
	During the previous financial year	During the current financial year
	(1)	(2)
Clinker	Zero (As Plant was under construction)	112820 Metric Ton
WHRS	Zero (As Plant was under construction)	0

(ii) Raw material consumption

Name of materials	Name of Products	Consumption of raw material per unit of out put	
		During the previous financial year (Metric Ton)	During the current financial year (Metric Ton)
Limestone	Clinker	1290	173513
Additive	Cement	190	Nil
Coal	Clinker	90	17701
Gypsum	Cement	70	Nil
Fly Ash	Clinker	Nil	3626
Red Mud	Clinker	Nil	1801

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

PART – C

**Pollution discharged to environment / unit of out put
(Parameter as specified in the consent issued)**

(1) Pollutants	Quality of Pollutants discharged (mass/day)		Concentrations of pollutants discharges (Mass/volume)	Percentage of variation from prescribed standards with reasons.
(a) Water	Nil		NA	NA
(b) Emission Monitoring	RMBH	0.1416 Kg/T	21.29 mg/Nm ³	Within the prescribed Limited
	CMBH	0.1947 Kg/T	18.9 mg/Nm ³	Within the prescribed Limited
	ESP COOLER	0.0293 Kg/T	6.67 mg/Nm ³	Within the prescribed Limited

PART – D

HAZARDOUS WASTES

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

Hazardous Wastes	Total Quantity (Kg)	
	During the previous financial year	During the current financial year
	264 Liters.	0 <small>(The unit was in commissioning stage, production started from February-2023)</small>

Hazardous wastes (Management, Handling and Transboundary Movements) Rules, 2008 notified vide S.O. 2265 (E)

**PART – E
Solid Wastes**

	Total Quantity	
	During the previous financial year	During the current financial year
	No Solid Waste is being generated from the plant	No Solid Waste is being generated from the plant

(a) From process: NIL

(b) From pollution control facilities: **Dust Collected by the bag filters is automatically recycled in the process**

(c) (1) Quantity recycled or re-utilized within the unit.

(2) Sold : Nil

(3) Disposed : Nil

PART – F

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

Hazardous Waste			
Sl. No	Name of waste	Generation quantity	Disposal method
1	Used oil /Spent Oil	Nil	✓ Stored in the Impervious layer inside the Hazardous Waste Shed ✓ Sold to Authorized Recyclers /Reprocessors
2	Waste Containing Oil	Nil	✓ Stored in the Impervious layer inside the Hazardous Waste Shed ✓ Sold to Authorized Recyclers /Reprocessors

- (The unit was in commissioning stage, production started from February-2023)

SCL has got the authorization from OSPCB vide letter no. IND-IV-HW-1032/7295 on dated 06.05.2023 for handling of hazardous waste which is valid till 31.03.2024.

Solid Waste			
Sl. No	Name of waste	Generation quantity	Disposal method
1	Solid Waste	No Solid Waste generated from the Plant	Dust Collected by the bag filters is automatically recycled in the process.

PART – G

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

- Domestic waste water is being treated in STP and treated water is used for gardening.
- Regular monitoring of Ambient Air Quality by a NABL accredited agency to meet the prescribed standard by concerned authority.
- Green belt has been developed inside the plant premises.
- 1 no. of rain water harvesting structure has been developed with recharge well.
- Particulate Emissions are maintained less than 30 mg/Nm³.
- All raw materials are stored under covered shed to control fugitive emission.
- Dust collectors and extraction system are installed to control fugitive dust at coal and limestone unloading points and at all the transfer points to arrest dust.
- All the transfer points are provided with dedicated dust collectors. Suitable Bag filters are installed at various transfer points.
- Water spray provided by 2 numbers of mobile water tankers to control fugitive emissions generated from roads, raw material sheds.

- Internal roads have been made of concrete.
- Regular cleaning is carried out. CPCB's guideline is followed to control fugitive emission.
- All raw materials are transported through covered trucks. Finished product i.e. cement is transported by covered trucks

PART – H

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

- Green belt has been developed inside the plant premises.
- 1 no. of rain water harvesting structure has been developed with recharge well.
- All the transfer points are provided with dedicated dust collectors. Suitable Bag filters are installed at various transfer points.
- Water spray provided by 2 numbers of mobile water tankers to control fugitive emissions generated from roads, raw material sheds.
- Internal roads have been made of concrete.
- Regular cleaning is carried out. CPCB's guideline is followed to control fugitive emission

PART – I

Any other particulars for improving the quality of the environment.

Following initiatives taken by M/s Shiva Cement Limited to improve the Environment-

- Concrete road developed in the coal yard area.
- Plantation done in vacant areas.
- Digital water flow meter has been installed in all borewell for tracking the water consumption on regular basis.
- Piezometer has been installed to track the ground water level on regular basis.
- Truck mounted Sweeping machine has been procured to maintained a good housekeeping in working zone area,

For Shiva Cement Limited

for
Anil Mishra
23/09/2023
(Anil Mishra)



Unit Head
