

# Ambuja Cement

ACL/SK/ENV/09-19/128

Date: 03.09.2019

To,  
**The West Bengal Pollution Control Board,**  
(Department of Environment, Govt. of West Bengal)  
Howrah Regional Office,  
Minority Bhawan, 5<sup>th</sup> Floor,  
Near Alipore Police Court,  
Kolkata: 700027

Kind Attention: **Mrs. Barna Majumder**  
**Regional Officer ( Howrah Regional Office)**

**Sub: Environment Statement Report of M/s. Ambuja Cements Ltd ( Unit: Sankrail) for the year 2018-2019**

Madam,

Please find enclosed herewith duly filled Form-V (Rule-14), Environment Statement Report (2018-2019) for your kind perusal.

This is for your kind information and necessary records.

Thanking you,  
Yours faithfully,

For **Ambuja Cements Ltd.**  
Unit: **Sankrail**



**Authorised Signatory**

## **AMBUJA CEMENTS LIMITED**

Unit : Sankrail

Jaladhulagori, Vill. & P.O. : Dhulagori, P.S. : Sankrail, Dist. : Howrah (W.B.) - 711302

Phone : 033 - 6608 7100 (4 Lines), Fax : 033 2679 8423

(Regional Off. : "INDICON VIVA", 6th Floor, 53A, Leela Roy Sarani, Kolkata - 700 019, Phone : 033 - 4403 3900, Fax : 2461 7744 / 8413)

(Regd. Off. : P.O. : Ambujanagar, Taluka : Kodinar, District : Gir Somnath, Gujarat - 362715)

CIN Nos. L26942GJ1981 PLC004717, Website : [www.ambujacement.com](http://www.ambujacement.com)

# AMBUJA CEMENTS LIMITED

UNIT: SANKRAIL

## ANNUAL ENVIRONMENTAL STATEMENT

2018- 2019

FORM-"V"  
(See Rule 14)

Environmental Statement for the Financial Year Ending on 31<sup>st</sup> March 2019

### PART A

I	Name & Address of the Owner/Occupier of the Industry	:	Shri. Priya Ranjan Vice President & Unit Head Village: Jaladhulagori, PO : Dhulagori, PS: Sankrail, Howrah-711302 Tel No. : 033-6608 7100 Fax No. : 033-2679 8423
II	Industry Category Primary- ( STC Code) Secondary ( STC Code)	:	Red
III	Production Capacity	:	2.40 million ton Cement per year
IV	Year of establishment	:	2001
V	Date of last Environmental Statement submitted	:	25.09.2018

### PART B

#### Water and Raw Material Consumption

##### I. Water Consumption m<sup>3</sup>/day

Sl. No.	Particular	Unit	Qty
1	Water Consumption	m3/d	180 (approx)
2	Process	m3/d	Nil
3	Domestic	m3/d	160 (approx)
4	Boiler Feeding	m3/d	Nil
5	Cooling/ Industrial	m3/d	20 (approx)

Name of the Products	Process water consumption per unit of product output	
	During the previous Financial Year(2017-2018)	During the Current Financial Year(2018-2019)
	(1)	(2)
Cement	Not Applicable, Cement Production is a dry process	

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### II. Raw Material Consumption

Name of Raw Materials	Name of product	Consumption of Raw Material per unit of output	
		During the previous Financial Year(2017-2018)	During the Current Financial Year(2018-2019)
Clinker	Cement	0.6527	0.6421
Gypsum		0.0356	0.0409
Fly ash		0.3088	0.3159
Granulated Slag		0.0029	0.0011

### PART – C

#### Pollutant discharged to environment/unit of output (Parameters as specified in the consent issued)

Pollutants	Quantity of Pollutants discharged [mass/day]	Concentrations of Pollutants discharges [mass/day]	Percentage of variation from prescribed standards with reasons	Statutory Limit
	ton/day	mg/Nm3		mg/Nm3
Cement Mill-1 Hopper	0.0064	15	NA	30
Cement Mill-1 Venting	0.0061	15	NA	
Roller Press	0.0128	12	NA	
Cement Mill-2 Hopper	0.0077	21	NA	
Cement Mill-2 Venting	0.0068	14	NA	
Cement Mill-2 Separator	0.0073	13	NA	
Packer-1	0.007	9	NA	
Packer-2	0.0089	11	NA	
Packer-3	0.0037	8	NA	
Packer-4	0.0087	11	NA	
Wagon Tippler	0.0293	10	NA	
DG-1	0.0407	109	NA	150
DG-2	0.0319	89	NA	

# AMBUJA CEMENTS LIMITED

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### PART-D

#### Hazardous Wastes

As specified under the Hazardous Waste (Management, Handling and Transboundary), Rules 2016

Hazardous Wastes	Total Quantity	
	During the previous Financial Year(2017-2018)	During the Current Financial Year(2018-2019)
(i) From process		
➤ Waste Oil	8.66 MT	5.33 MT
➤ Waste/Residue containing Oil	3.23 MT	2.08 MT
(ii) From Pollution Control facilities	Not Applicable	Not Applicable

### PART-E

#### Solid Wastes

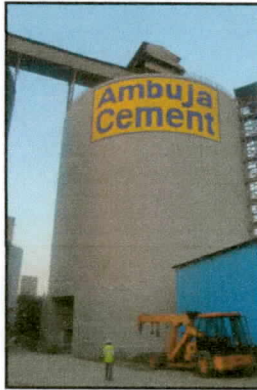
Wastes	Total Quantity	
	During the previous Financial Year(2017-2018)	During the Current Financial Year(2018-2019)
(a) From process	NA	NA
(b) From Pollution Control facilities	NA	NA
(c)	No solid waste is generated from Process and Pollution Control facilities	
(1) Quantity recycled or re-utilized within the unit		
(2) Sold	NA	NA
(3) Disposal	NA	NA

# AMBUJA CEMENTS LIMITED

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Clinker Storage Silo



Cement Silo



Fly-Ash Silo

- **Water Management:** No waste water is generated from cement manufacturing process, as it is based on dry process technology. Domestic waste water generated from the colony is being treated in **Sewage Water Reclamation Plant (SWRP)** and treated water is being used for green belt development. Rain water harvesting measures for Packing Plant Roof is also taken up.
- **Storage Facility :** To control the dust emission effectively, M/s ACL stores the process materials and end products in concrete silos.
- In its endeavor to remain environment friendly, M/s ACL has made dedicated efforts for developing **Green-Belt**. This plantation are not only meant for its aesthetic value but it also serves as an effective carbon-dioxide sink.



Plant Area



# **AMBUJA CEMENTS LIMITED**

## **UNIT: SANKRAIL**

### **ANNUAL ENVIRONMENTAL STATEMENT**

**2018– 2019**

#### **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.**

Hazardous waste generated( Used Oil & Grease) are disposed to PCB certified Recycler

#### **PART G**

**Impact of the Pollution Abatement Measures taken on conservation of natural resources and on the cost of production.**

M/s. Ambuja Cements Ltd. is committed for Environment Excellence through environmental friendly activities. Company wishes to conserve the Environment as well as to reduce the production cost by minimizing the waste and by optimizing the process. Efforts for achieving the above goals and for minimizing the adverse effect on environment along with economic growth are as follows:

Installation of Pollution Control Equipments: Efficient and modern state of art pollution control equipment (Bag Filter/House) is being attached to every stack so that the gases emitted to the surrounding atmosphere has components below or as per Statutory norms and do not cause harm to any living being in the surrounding.

Adequate initiatives have been taken for effective fugitive dust suppression like Dust sweeping machine, covered conveyor belts, storage in Silos.

Intensive housekeeping has been maintained to minimize any spillage from which fugitive dust emission is generated. Concrete road has been made in the plant.



**Pedestrian Pathway & Concrete Road**

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### **PART – H**

#### **Additional Measures / Investment Proposal for environmental protection including abatement of pollution, prevention of pollution.**

Additional investment for Rain Water Harvesting, Recycling RO reject, Venting line modification of Clinker Handling Circuit to reduce fugitive dust emission are in continuous improvement.

### **PART – I**

#### **Any other particulars for improving the quality of the environment.**

The Corporate Philosophy of Ambuja Cements Ltd. is to develop and grow along with considering the interests of employees and community at large. Hence the company always gives highest priority to the quality of environment in its vicinity. For serving the aforesaid purpose, the company has taken serious efforts for up-gradation of the surrounding environmental condition.

- Installed Continuous Ambient Air Quality Monitoring Station (CAAQMS) at plant to monitor Ambient Air Quality continuously and display board installed at the Main gate facing the road for the public.
- Meteorological station comprising facilities to monitor rainfall, maximum and minimum temperature, relative humidity, barometric pressure, wind direction, velocity, and solar radiation has been established
- Installed Continuous Dust Monitoring Systems at various chimney stacks.
- Concretization of truck yard.
- Reuse of recycled water from Sewage Treatment Plant for dust suppression and gardening project.
- Development and installation of network of dust collection at plant through Industrial Vacuum Cleaner.
- Plant road cleaning with the help of Hako cleaner.
- Roof top rain water harvesting at Packing Plant terrace.
- Venting line modification of Clinker Handling Circuit to reduce fugitive dust emission.
- Plantation at different locations of plant.
- Roller Press has been installed as a pre-grinder to Cement Mill-1, helps to reduce specific energy consumption.
- Identification of e-wastes and disposal to authorized party.
- Recycled water sprinkling on roads through water sprinkler
- Agro-based livelihood with promotion of Systematic Rice Intensification, Farmer's Training programme, Rain Shelter development.
- Training on inputs identification, tank and fish managements, linking with the inputs suppliers, feed preparation to the villagers.

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- Rural Infrastructure / community assets creation leading to Road /Guard wall Construction, Installation of Tube well & Repairing
- HIV/AIDS HCC Project is a regular clinic with cement plant which gives benefits to the contract labourers, truckers and helpers at workplace.
- Women Empowerment Programme to form SHG, capacity building exposure, support for IGA & Marketing
- SEDI has been working closely with local industries, and communities, to reach out to rural mass with special emphasis on the youth and thereby them an opportunity to transform their lives. SEDI Sankrail has successfully trained 347 candidates in various trades like Retail Management, Beautician ,Mobile Repairing ,Basic Electrical,2/3 Wheeler Repairing , Customer Support Executive and Smart Sewing Machine Operator courses