

Ambuja Cement

ACL/SK/ENV/09-18/235

Date: 19.09.2018

To,
Member Secretary,
The West Bengal Pollution Control Board,
(Department of Environment, Govt. of West Bengal)
Paribesh Bhavan,
Bldn No. 10A, Block-LA, Sector-III
Bidhan Nagar
Salt lake, Kolkata-700098

Sub: Environment Statement Report of M/s. Ambuja Cements Ltd (Unit: Sankrail) for the year 2017-2018

Sir,

Please find enclosed herewith duly filled Form-V (Rule-14), Environment Statement Report (2017-2018) for your kind perusal.

This is for your kind information and necessary records.

Thanking you,
Yours faithfully,

For Ambuja Cements Ltd.
Unit: Sankrail


(Arun Kumar Jha)
Sr. Vice President & Unit Head

CC to :

The Ministry of Environment, Climate & Forest Change, Eastern Regional Office, A/3,
Chandrasekharpur, Bhubaneswar-751023 ,Orissa

AMBUJA CEMENTS LIMITED

Unit : Sankrail

Jaladulagori, 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

AMBUJA CEMENTS LIMITED

UNIT: SANKRAIL

ANNUAL ENVIRONMENTAL STATEMENT

2017- 2018

FORM-"V"
(See Rule 14)

Environmental Statement for the Financial Year Ending on 31st March 2018

PART A

I	Name & Address of the Owner/Occupier of the Industry	:	Shri . Arun Kumar Jha Sr. 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	:	22.09.2017

PART B

Water and Raw Material Consumption

I. Water Consumption m³/day

Sl. No.	Particular	Unit	Qty
1	Water Consumption	m3/d	190 (approx)
2	Process	m3/d	Nil
3	Domestic	m3/d	60 (approx)
4	Boiler Feeding	m3/d	Nil
5	Cooling/ Industrial	m3/d	130 (approx)

Name of the Products	Process water consumption per unit of product output	
	During the previous Financial Year(2016-2017)	During the Current Financial Year(2017-2018)
	(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(2016-2017)	During the Current Financial Year(2017-2018)
Clinker	Cement	0.6559	0.6527
Gypsum		0.0376	0.0356
Fly ash		0.3026	0.3088
Granulated Slag		0.0039	0.0029

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	0.0103	23	NA	30
Cement Mill-1 Venting	0.0083	13	NA	
Roller Press	0.0188	22	NA	
Cement Mill-2 Hopper	0.009	20	NA	
Cement Mill-2 Venting	0.0146	24	NA	
Cement Mill-2 Separator	0.0116	23	NA	
Packer-1	0.0175	22	NA	
Packer-2	0.0139	15	NA	
Packer-3	0.0079	11	NA	
Packer-4	0.0082	10	NA	
DG-1	0.0214	38	NA	150
DG-2	0.0207	40	NA	

2017– 2018



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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 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:

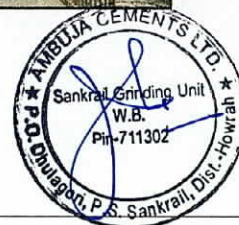
Installation of Pollution Control Equipments: Efficient and modern state of art pollution control equipment (Bag Filter/House) is being attached to every stack so that the gases emitted to the surrounding atmosphere has components below or as per Statutory norms and do not cause harm to any living being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

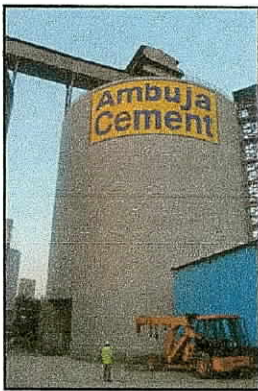


AMBUJA CEMENTS LIMITED

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Clinker Storage Silo



Cement Silo

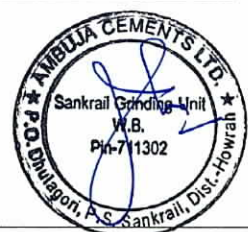


Fly-Ash Silo

- **Water Management:** No waste water is being/will be 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 in progress.
- **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.



Plantation in Plant Area



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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

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 in progress.
- 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 is in progress.
- 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
- Promotion and awareness given to villagers to produce paddy through SRI cultivation which gives more yield and need less water consumption.
- 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 installation of Tube well and their Repairing.
- Women Empowerment Programme to form SHG, capacity building exposure,
- Skill Entrepreneurship Development Institute is training students in various trades like Retail Management, Beautician, Mobile Repairing, Basic Electrical, 2/3 Wheeler Repairing, Customer Support Executive and Smart Sewing Machine Operator courses and likewise providing placements.

