

Ambuja Cement

ACL/SK/ENV/06-20/20

Date: 24.06.2020

To,
The West Bengal Pollution Control Board,
(Department of Environment, Govt. of West Bengal)
Howrah Regional Office,
Minority Bhawan, 5th 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 2019-2020

Madam,

Please find enclosed herewith duly filled Form-V (Rule-14), Environment Statement Report (2019-2020) 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

AMBUJA CEMENTS LIMITED

UNIT: SANKRAIL

ANNUAL ENVIRONMENTAL STATEMENT

2019– 2020

FORM-“V”
(See Rule 14)

Environmental Statement for the Financial Year Ending on 31st March 2020

PART A

I	Name & Address of the Owner/Occupier of the Industry	:	Shri. Manoj Kumar Sharma 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	:	03.09.2019

PART B

Water and Raw Material Consumption

I. Water Consumption m³/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(2018-2019)	During the Current Financial Year(2019-2020)
	(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(2018-2019)	During the Current Financial Year(2019-2020)
Clinker	Cement	0.6421	0.6100
Gypsum		0.0409	0.0392
Fly ash		0.3159	0.3333
Granulated Slag/Normal Slag		0.0011	0.0175

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	0.0063	16	NA	30
Cement Mill-1 Venting	0.0033	8	NA	
Roller Press	0.0087	10	NA	
Cement Mill-2 Hopper	0.0042	11	NA	
Cement Mill-2 Venting	0.0054	12	NA	
Cement Mill-2 Separator	0.0060	9	NA	
Packer-1	0.0148	23	NA	
Packer-2	0.0085	12	NA	
Packer-3	0.0088	12	NA	
Packer-4	0.0093	13	NA	
DG-1	0.0312	97	NA	150
DG-2	0.0321	84	NA	

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PART-D

Hazardous Wastes

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

Hazardous Wastes	Total Quantity disposed	
	During the previous Financial Year(2018-2019)	During the Current Financial Year(2019-2020)
(i) From process		
➤ Waste Oil	5.33 MT	0.00 MT
➤ Waste/Residue containing Oil	2.08 MT	4.18 MT
(ii) From Pollution Control facilities	Not Applicable	Not Applicable

PART-E

Solid Wastes

Wastes	Total Quantity	
	During the previous Financial Year(2018-2019)	During the Current Financial Year(2019-2020)
(a) From process	NA	NA
(b) From Pollution Control facilities	NA	NA
(c) (1) Quantity recycled or re- utilized within the unit	No solid waste is generated from Process and Pollution Control facilities	
(2) Sold	NA	NA
(3) Disposal	NA	NA

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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(Used Oil & Grease) are disposed to PCB certified Recycler.

PART G

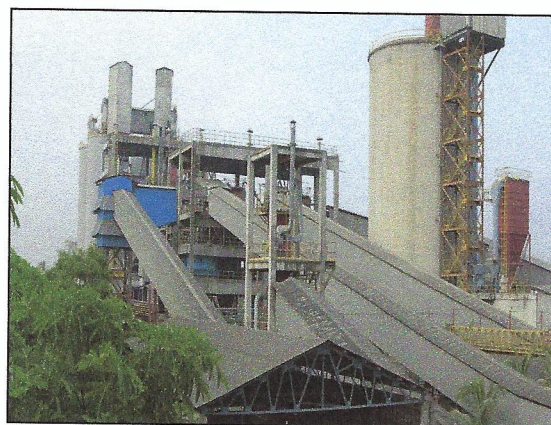
Impact of the Pollution Abatement Measures taken on conservation of natural resources and on the cost of production.

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. The dust collected in bag filters is recycled in process. The activities of the company have no adverse effect on the natural resources.

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.



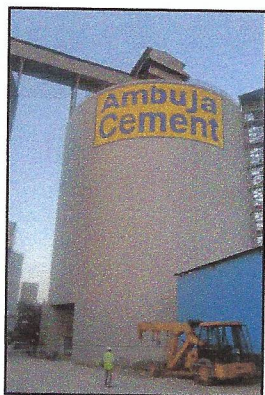
Concrete Road with Pedestrian Pathway & Covered conveyors

AMBUJA CEMENTS LIMITED

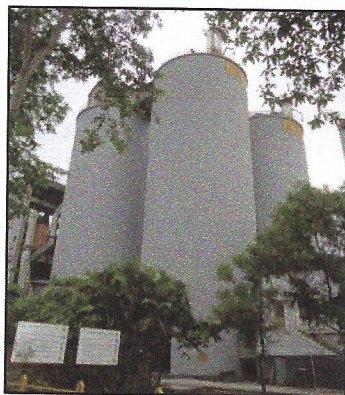
UNIT: SANKRAIL

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Clinker Storage Silo



Cement Silo

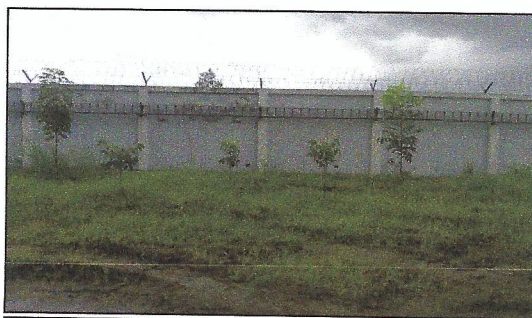


Fly-Ash Silo

- **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 and for Water sprinkling on roads.
- **Storage Facility :** To control the dust emission effectively, M/s ACL stores the raw 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

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PART – H

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

In this reporting period total investment towards Environment management was 18 lacs against budgeted 13 lacs. Where 5 lacs has been spent towards the upkeepment of stack and pollution control devices and 7.3 lacs has been spent towards ambient monitoring and fugitive emission reduction.

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 to reduce fugitive dust emission from continuous truck movement.
- Reuse of recycled water from Sewage Treatment Plant for gardening and dust suppression through water sprinkler.
- Development and installation of network of dust collection at plant through Industrial Vacuum Cleaner and recycling of dust collected.
- Plant road cleaning with the help of Hako cleaner.
- Regular maintenance of pollution control devices to control fugitive emissions from Stack.
- 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.
- LED lights are installed at plant roads and Energy efficient lights at various office locations for conservation of energy.
- Identification of e-wastes and disposal to authorized party.
- Environment Day, Earth Day and Earth hour events are organized at township to spread awareness towards environment.
- Excavated ponds at nearby villages to harvest rain water.
- Providing drinking (RO) water to nearby two villages.
- ACF Sankrail aims to ensure food security of the local population in a sustainable and eco-friendly manner. To improve productivity of food crops through improved practices

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[average increase of production by 43% and expenditure to agriculture decreases approximately by 12%] and management of natural resources [especially water, approximately less water consumption of 30%]. We have promoted SRI Rabi season in 380 acres of land with 1207 farmers. fertility of land increases due to uses of spacing, use of organic manures etc.

- Mother & Child health programme for core villages. Mother covered 472 & children covered 300, ANC - 53 Nos.
- Awareness meeting held with Mothers 8 Nos during the period with 247 women. Hygiene & nutrition meeting held 9 Nos with 183 women.
- 8 Nos training held in the issues of MCH & nutrition issues.
- 13 nos Sanitation awareness programme with rally held in core villages for making Open Defecation Free village.
- 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 278 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