Ambuja Cement

ACL/SK/ENV/09-16/199
Date: 27/09/2016

Received
Contents Not Verified
W.B.Pollution Control Board
Howrah Regional Office
28/9/16

The Environmental Engineer & In-Charge
West Bengal Pollution Control Board
Howrah Regional Office
7, Haradev Bhattacharjee Road
Howrah – 711 102

Kind Attention : Mr. Biplab Baidya,
Environmental Engineer & In-Charge

Sub: Environment Statement for the Financial Year ending the 31st March 2016

Dear Sir,

Enclosed please find the Environment Statement (Form-V) of our unit for the year 2015 – 2016.

Thanking you

Yours faithfully

for Ambuja Cements Limited
Unit:Sankrail

Debashis Sarkar
Manager (Environment)

Encl : as above

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

[F O R M – V]
(See Rule – 14)

Environmental Statement for the financial year ending the 31st March 2016

P A R T - A

i)	Name and Address of the Owner/Occupier of the industry operation or process	:	Ambuja Cements Limited, Unit :Sankrail, Jaladhulagari P.O. & Vill - Dhulagori Sankrail, Howrah – 711 302 West Bengal
ii)	Industry Category Primary - (STS Code) : Secondary – (Sic Code) :	:	Cement Grinding Unit [Large Scale]
iii)	Production Capacity – Units	:	2.40 million ton cement per year
iv)	Year of establishment	:	2001
v)	Data of the last environmental Statement submitted	:	22.09.2015

P A R T - B

Water & Raw Materials Consumption

1.	Water Consumption	m^3/d	:	242 (approx)
2.	Process	m^3/d	:	Nil
3.	Domestic	m^3/d	:	75 (approx)
4.	Boiler Feeding	m^3/d	:	Nil
5.	Cooling / Industrial	m^3/d	:	167 (approx

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

2. Raw Material Consumption			
Name of Raw Materials	**Name of product**	**Consumption of Raw Material per unit of output**	
		During the previous Financial Year	During the Current Financial Year
Clinker	Cement	876018	1022769
Gypsum		60913	64662
Fly ash		355224	450731

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

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B P.O. Dhulagori

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
SPM from	Nm^3/h	mg/Nm^3	
Cement Mill-1 Hopper	9563	17	NA
Cement Mill-1 Venting	22756	19	NA
Roller Press	25951	16	NA
Cement Mill-2 Hopper	8914	24	NA
Cement Mill-2 Venting	25319	28	NA
Cement Mill-2 Separator	26150	13	NA
Packer-1	24677	21	NA
Packer-2	26435	20	NA
Packer-3	30881	18	NA
Packer-4	32902	18	NA
DG-1	23933	45	NA
DG-2	27668	65	NA

PART - D

HAZARDOUS WASTES
(As specified under Hazardous Wastes/Management and Handling Rules, 1989)

Hazardous Waste	Total quantity [kg]	
	During the previous financial year	During the current financial year
a] From Process	NA	NA
b] From Pollution Control Facilities	NA	NA

PART - E

SOLID WASTES

Hazardous Waste	Total quantity [kg]	
	During the previous financial year	During the current financial year
a] From Process	NA	NA
b] From Pollution Control Facilities	NA	NA
c 1] Quantity recycled or reutilized within the unit	No solid waste is generated from Process and Pollution Control facilities	
c 2] Sold	--	--
c 3] disposed	--	--

PART - F

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

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O. Dhulagori, P.S. Sankrail, Dist.-Howrah

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Used oil originating from compressors, pumps and other machinery are collected in oil drums. Similarly used oil is generated in the DG sets. This is also collected in drums. After filling in the barrels they are temporarily stored in a yard provided with pavement, curb walls. Waste oil generated in the DG sets is collected and stored in a tank.
These Waste oil/Used oil are then sold to State Pollution Control Board certified & registered agencies having adequate facility for refining and disposal of hazardous waste.

PART - G

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

The dust collected in bag filters is recycled in process. The activities of the company have no adverse effect on the natural resources. Moreover 30% [approx] of clinker [ultimately saved approx 46% of lime stone, which is a natural resource] is saved by using fly ash, which is a waste from Thermal Power Plant.

PART - H

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

Additional investment proposed in the Budget 2015-2016 is ₹ 801 lac.
Expenditure regarding Capex for this financial year is ₹ 1.67 crore.

PART - I

Any other particular for improving the quality of the environment.

1. Installed Continuous Ambient Air Quality Monitoring Station (CAAQMS) at plant to monitor Ambient Air Quality continuously and LED display board was installed at the Main gate facing the road for the public.
2. Meteorological station comprising facilities to monitor rainfall, maximum and minimum temperature, relative humidity, barometric pressure, wind direction and velocity has been established
3. Installed Continuous Environment Monitoring Systems at various chimney stacks.
4. Development of greenery.
5. Concretization of truck yard [15000 m^2].
6. Reuses of recycled water from Sewage Treatment Plant for dust suppression and gardening.
7. Deployment of Industrial Vacuum Cleaner to clean the accumulated material at pit during maintenance.
8. Development and installation of network of dust collection at plant through Industrial Vacuum Cleaner.
9. Recycling of dust collected at plant through Industrial Vacuum Cleaner.
10. Plant road cleaning with the help of Roots Hako cleaner.
11. Roof top rain water harvesting at colony building.
12. Plantation at different location of plant.
13. Conducting public awareness programs in the neighborhood for public in environmental and safety aspects.
14. Environmental Management System (EMS) in line with ISO 14001:2004 is implemented and certified by M/s Det Norske Veritas GL, Kolkata, which is valid up to 15.09.2018, which helps to Improve Employee morale, tracks objectives and targets measurable and their improvement. It also helps to quantify, monitor and controlling the impact of operations on the environment both in present and future.
15. Energy Management System (EnMS) in line with ISO 50001:2011 is implemented and certified by M/s Det Norske Veritas GL, Kolkata, which is valid up to 11.08.2017.
16. "World Environment Day" celebrated at plant for employees and neighborhood to create the environmental awareness.

AMBUJA CEMENTS LTD. P.O. Dhulagori Sankrail Grinding Unit W.B.

17. Earth hour is organized at township by switching off all the lights to conserve energy and to spread awareness towards environment.
18. Earth day were celebrated with organized events to create awareness towards Mother Earth.
19. LED lights are installed at plant roads for conservation of energy.
20. Energy efficient lights installed at various office locations.
21. Nibs trap installed at both cement mills to collect nibs generated during cement grinding to reduce unwanted load in cement mills, results reduction of power consumption.
22. Identification of e wastes and disposal to authorized party.
23. Recycled water sprinkling on roads through water sprinkler.
24. Excavated ponds at nearby villages to harvest rain water.
25. Promote and awareness given to villagers to produce paddy through SRI cultivation which saves more yield and need less water consumption.
26. Provided RO water at two no. of villages.
27. Sanitation program awareness conducted at villages.
28. Toilet construction supports to individuals.

AMBUJA CEMENTS LTD.
Sankrail Grinding Unit
W.B.
Pin-711302
P.O. Dhulagori, P.S. Sankrail, Dist. Howrah