

SCL/SJCP/Env/7/2010-11/ 04

Date: 20/09/2011
Regd. Post

The Member Secretary
Rajasthan State Pollution Control Board
4, Institutional Area, Jhalana Doongri
JAIPUR-302004 (Rajasthan)

Sub.: Environmental Statement for the period of April, 2010- March, 2011.

Ref.: Consent to Operate Letter no: F(Tech)/Jaipur(Phulera)/19(1)/2010-2011/4090-4093 Dated 14/10/2010.

Dear Sir,

We are submitting herewith the Annual Environmental Statement report for the period of April, 2010 to March, 2011 under Air (Prevention & Control of Pollution) Act, 1981 and Water (Prevention & Control of Pollution) Act, 1974 of M/s Shree Cement Limited; at Village - Near Village - Dehra-Asalpur, Tehsil - Phulera, Distt. - Jaipur (Raj.)

This is for your kind information please.

Thanking you,

Yours faithfully,
For SHREE CEMENT LIMITED,

Kame

(S. Palsania)
Addl. General Manager (Unit Head)

1/12/11

- Copy to: 1. The In-Charge (Regional Office), Rajasthan State Pollution Control Board, Opp. Road No. 5, VKI Area, Sikar Road, Jaipur
2. The Chief Conservator of Forest (C), Regional Office (Central Region), Ministry of Environment & Forest, Kendriya Bhawan, 5th Floor, Sector 'H' Aliganj, LUCKNOW- 226024

O/C Env. Department Jaipur

ENVIRONMENTAL STATEMENTS

FORM-V (See Rule-14)

PART – A

1.	Name and address of the Owner / Occupier of the Industry operation or process	Clinker Grinding Unit of M/s Shree Cement Limited; at Village – Near Village - Dehra-Asalpur, Tehsil - Phulera, Distt. – Jaipur (Raj.)
2.	Industry Category Primary (S.T.C. Code) Secondary (S.T.C. Code)	Red Category
3.	<u>Production Capacity</u> Cement : D. G. Set :	2.00 MMTPA 250KVA installed against 1000 KVA
4.	Year of Establishment	2010
5.	Date of the last Environmental Statement submitted.	N.A. (Plant has been commissioned on 9 th February, 2011)

PART – B

WATER AND RAW MATERIAL CONSUMPTION

(I) WATER CONSUMPTION:

Process	:	N.A.
		(As plant is based on dry process technology)
Cooling and dust Suppression	:	7324 KL
Domestic	:	2050 KL

Name of Product	Process Water Consumption per unit of Product Output	
	During Previous Financial Year	During Current Financial Year
Cement	N.A.	0.14924 KL /MT of Cement

(II) RAW MATERIAL CONSUMPTION: (CEMENT PLANT)

Name of Raw Material	Name of Product	Consumption of Raw Material per unit of Output (Cement)	
		During Previous Financial year	During Current Financial year
Clinker	Cement	N.A.	0.6584
Gypsum		N.A.	0.0700
Fly Ash		N.A.	0.2717

RAW MATERIAL CONSUMPTION: (D.G. SET)

Name of Raw Material	Name of Product	Consumption of Raw Material per unit of Output (Ltrs / KWH)	
		During Previous Financial year	During Previous Financial year
Fuel/Diesel	Power	D.G. Set not operated so far.	

(III) POWER CONSUMPTION (KWH/T OF CEMENT):

During Previous Financial Year	During Current Financial Year
N.A.	54.70

(IV) TOTAL CEMENT PRODUCTION (MT):

During Previous Financial Year (2009-10)	During Current Financial Year (2010-11)
N.A.	49075.00

PART-C

DISCHARGED TO ENVIRONMENTAL / UNIT OF OUTPUT

Pollutants	Quantity of Pollutants Discharged (Mass/Day)	Concentration of Pollutants in Discharges (Mass/Value)	Percentage of variation from prescribed standard with reasons
(a)	Water	As the plant is being operated on dry process technology, no liquid effluent is generated from the cement plant. Waste water generated from office toilet and mess is disposed off in soak pit via septic tank.	
(b)	Air	Please refer ANNEXURES– I ,II &III	

PART – D
HAZARDOUS WASTE

(As specified under Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008

Hazardous Waste	Total Quantity (Ltrs.)	
	During Previous Financial Year (January 2009 to March 2010)	During Current Financial Year (April,2010 to March,2011)
	We are having authorization for Hazardous Waste Management & Handling for Clinker Grinding Unit	

<p>a) From Process Cement manufacturing (Grinding) is based on “Dry Process” No Hazardous waste is generated from the process except used oil which is drained from Machinery / Equipments</p>	<p>Total Quantity Generation from January, 2009 to March, 2010 : N.A. Old Stock : N.A. Reused : N.A. Sale out : N.A. Balance : N.A.</p>	<p>Total Quantity Generation from April ,10 to March,11 : Nil Ltrs Old Stock : Nil Reused : Nil Sale out : Nil Ltrs Balance : Nil Ltrs</p>
<p>(b) From Pollution Control Facilities</p>	<p>N.A.</p>	<p>N.A.</p>

PART – E
SOLID WASTE

		Total Quantity	
		During Previous Financial Year	During Current Financial Year
(a)	From Process	Nil	Nil
(b)	From Pollution Control Facility	Dust collected in the Bag Houses and Bag Filters is recycled in process.	
(c)	1) Quantity rejected or re-utilized within the	100%	100%
	2) Sold	Nil	Nil
	3) Disposed	Nil	Nil

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 the categories of wastes:

Hazardous Wastes

Cement manufacturing is based on “Dry Process”. No Hazardous waste is generated from the process except used oil which is drained from Machineries / Equipments. Used oil is sold to the authorized recyclers/self used for lubrication.

Solid Wastes: - N.A.

PART – G

IMPACT OF THE POLLUTION CONTROL MEASURES ON CONSERVATION OF NATURAL RESOURCES AND CONSEQUENTLY ON THE COST OF PRODUCTION

Clinker Grinding Unit is being operated on dry process technology, which is cost effective and environmentally clean technology. The advantage of roller press for pre grinding of clinker is an energy conservation process. The stack emissions from the plant are controlled by equipment like Bag Houses and Bag Filters installed at various material transfer points to clean the process and arrest the fugitive emissions. The particulate matter collected in the pollution control equipment is recycled in process and neutralizing the cost of operation of pollution control equipments and hence no cost impact on the production cost.

PART – H

ADDITIONAL MEASURES / INVESTMENTS PROPOSAL FOR ENVIRONMENT PROTECTION INCLUDING ABATEMENT OF POLLUTION

Green belt development and tree plantation is our ongoing process. Every year we are doing new tree plantation to increase the bio-diversity of the area. Up to August, 2011, we have covered 20.9 Acres, with around 4139 trees including shrubs; this is around 19.4 % green area of the total plant area (72.06 Acres).

PART – I

ANY OTHER PARTICULARS FOR IMPROVING THE QUALITY OF ENVIRONMENT.

1. We have full-fledged Environment Department with three separate cells, one for monitoring, one for maintenance of pollution control equipment and one for Green Belt development.
2. Monitoring of stack emission and ambient air and water quality is being done regularly.
3. Maintenance department is doing regular checking and scheduled maintenance of all the pollution control devices.
4. Civil and Personal & Administration departments taking care for of House keeping.
5. Horticulture Section is taking care of tree plantation and green belt development. Every year we are growing new tree plantation.

On support of above, we are enclosing herewith following Annexure:-

Annexure-I : Ambient Air Quality Monitoring Report for the year 2010-11

Annexure-II : Stack Emission Level Monitoring Report for the year 2010-11

Annexure-III : Ambient Noise level Monitoring Report for the year 2010-11

ANNEXURE-I

Ambient Air Quality Monitoring Report for the year 2010-11(All Values in µg/m3)

S. No	Location →	Plant boundary towards CCR				Plant boundary towards Electrical switch yard				Plant boundary towards Rain Water collection Pond			
	Month ↓	PM 2.5	PM 10	SO2	NOx	PM 2.5	PM 10	SO2	NOx	PM 2.5	PM 10	SO2	NOx
1	February, 11	32	45	8.0	9.0	29	47	7.0	10.0	31	41	8.0	10.0
2	March, 11	33	46	7.0	10.0	30	48	9.0	12.0	32	45	9.0	11.0
Average		33	46	8	10	30	48	8	11	32	43	9	11

Annexure-II

Stack Emission Level Monitoring Report for the year 2010-11

S. No.	Month & Year	Particulate Matter Emission Level from Stack attached with Bag House of Cement Mill (mg/Nm3)
1	February,2011	35
2	March,2011	32
Average		33.5

Annexure-III

Ambient Noise Level Monitoring Report for the Year 2010-11

S. No.	Location →	Plant boundary towards CCR		Plant boundary towards Electrical switch yard		Plant boundary towards Rain Water collection Pond	
	Month ↓	Day time	Night time	Day time	Night time	Day time	Night time
1	February, 11	66.8	62.4	67.3	65.3	67.9	61.4
2	March, 11	65.8	61.5	68.9	64.7	63.7	62.8
Average		66.3	62.0	68.1	65.0	65.8	62.1