

SCL/SG/ Env/2010-11/ 29185

Date: 15/09/2010

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

Sub: - Environmental Statement for the period from 10, Feb, 2010 to March, 2010.

Ref: - Consent to Operate Letter no:F (Tech) GANGANAGAR (SURATGARH)/1
(1)2008-2009/5375 Dated 10/02/2010.

Sir,

We are submitting herewith Environmental Statement Report for the period from 10, Feb, 2010 to March, 2010 under Air & Water Acts of M/s Shree Cement Limited situated at village - Udepur, Tehsil- Suratgarh, District -Shri Ganganagar, Rajasthan

This is for your kind information.

Thanking you,

Yours faithfully,
For SHREE CEMENT LIMITED, SURATGARH

Ravi Mathur

(R.P.Mathur)
General Manager (Unit Head)

Encl: a/a

Copy to: 1) Regional Officer, Regional Office, Rajasthan State Pollution Control Board, 33, Phase-II, Bichwal Industrial Area, BIKANER.
2) The Chief Conservator of Forest (C), Ministry of Environment & Forest, Regional Office (Central Region), Kendriya Bhavan, 5th Floor, Sector 'H' Aliganj, Lucknow (U.P.),

O/c Environment Dept., SCL-Suratgarh

Environmental Statement for Clinker Grinding Unit of M/s Shree Cement Limited, situated at village - Udepur, Tehsil- Suratgarh, District -Shri Ganganagar, Rajasthan
for the Period from: 10th Feb, 2010 to: March, 2010.

PART – A

1.	Name and address of the Owner / Occupier of the Industry operation or process	M/s Shree Cement Ltd, (Grinding Unit) village - Udepur, Tehsil- Suratgarh, District -Shri Ganganagar, Rajasthan
2.	Industry Category Primary (S.T.C. Code) Secondary (S.T.C. Code)	Red Category
3.	Production Capacity	2 MTPA Cement
4.	Year of Establishment	Unit started on 10 th Feb,2010
5.	Date of the last Environmental Audit Report submitted	N.A.

PART – B

WATER AND RAW MATERIAL CONSUMPTION

(I) **WATER CONSUMPTION:**

Process	:	N.A. (As plant is based on dry Process technology)
Cooling	:	1948 KL
Construction	:	5956 KL
Domestic	:	2964 KL

Name of Product	Process Water Consumption per Unit of Product Output(Cement)	
	During Previous Financial Year	During Current Financial Year
PPC Cement	NA	0.031 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
1. Clinker	Cement	NA	0.751
2. Gypsum		NA	0.055
3. Fly Ash		NA	0.193

RAW MATERIAL CONSUMPTION: (D.G. SET)

D.G.Set is not installed.

Name of Raw Material	Name of Product	Consumption of Raw Material per unit of Output (Ltrs / KWH	
		During Previous Financial year	During Current Financial year
NA	Power	N.A	N.A

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

During Previous Financial Year	During Current Financial Year
	Cement Mill
N.A	49.41

(IV) TOTAL CEMENT PRODUCTION (MT):

During Previous Financial Year	During Current Financial Year
	Cement Mill
N.A	62231

(V) TOTAL D.G. POWER PRODUCTION (KWH):

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

PART – C

DISCHARGED TO ENVIRONMENTAL / UNIT OF OUTPUT

Pollutants	Quantity of Pollutants Discharged (Mass/Day)	Concentration of Pollutants in Discharge (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 Clinker Grinding Unit. The waste water generated from the office toilet and mess is disposed off in soak pit via septic tank.	
(b)	Air	Please refer Annexure – 1, 2 & 3	

PART – D

HAZARDOUS WASTE

(As specified under Hazardous Wastes (Management, Handling & Transboundary Movement) Rules amended up to 2010)

Hazardous Waste	Total Quantity (Ltrs.)	
	During Previous Financial Year	During Current Financial Year
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)	N.A.	Total quantity of used oil generated from 10 th March- 2010 To March-2010 = NIL
(b) From Pollution Control Facilities	N.A.	N.A.

PART – E

SOLID WASTE

		Total Quantity	
		During Previous Financial Year	During Current Financial Year
(a)	From Process	N.A	Nil
(b)	From Pollution Control Facility	Dust collected in the Bag Houses and Bag Filters are recycled to the system.	
(c)	1) Quantity rejected or re-utilized within the unit	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. Presently used oil is sold out to the authorized recycler.

Solid Wastes: - N.A.

PART – G

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

M/s Shree Cement Limited (Grinding Unit) is being operated on dry process technology, which is cost effective and environmentally clean technology. The advantage of dry process is also in fuel economy. 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. Till date we have developed plantation in 34271 M². , with around 1815 trees & shrubs, this is around 23.6 % green area of the total plant area (14.5 Hect.).

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-I : Ambient Air Quality Report (SPM, SO₂ and NO_x)
Annexure-II : Stack Emission Report
Annexure-III : Noise level monitoring data

ANNEXURE-I

AMBIENT AIR QUALITY ($\mu\text{g}/\text{m}^3$) FOR YEAR 2009-10

S.No	Location Month	Plant boundary toward truck parking area			Plant boundary behind CCR building			Plant boundary towards Udepur village.		
		SPM	SO ₂	NO _x	SPM	SO ₂	NO _x	SPM	SO ₂	NO _x
01.	Feb-10	205	7	10	207	8	11	247	7	10
02.	Mar-10	211	9	10	190	8	10	240	8	10
	Average	208	8	10	199	8	11	244	8	10

ANNEXURE-II

NOISE LEVEL (Leq-dB(A) FOR YEAR 2009-10

S.No.	Monitoring Location Month	Plant boundary toward truck parking area		Plant boundary behind CCR building		Plant boundary towards Udepur village.	
		Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
01.	Feb-10	60.2	56.6	62.3	56.8	67.8	61.2
02.	Mar-10	61.3	57.3	63.9	57.3	68.7	60.5
	Average	60.8	57.0	63.1	57.1	68.3	60.9

ANNEXURE-III

STACK EMISSION LEVEL (mg/Nm^3) FOR YEAR 2009-10

Sr. No.	Month	Pollution Control Measures	SPM (mg/Nm^3)
1	FEB,2010	Bag House	36
2	MAR,2010	Bag House	31