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SHREE CEMENT LTD.

Regd. Office & Works :

BANGUR NAGAR, POST BOX NO.33, BEAWAR 305 901, RAJASTHAN, INDIA



SCL/BRW/ENV/SK MINES-3/2011-12/

Date: 15/9/2011

Regd. A.D

To,

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

Sub: - Environmental Status Report for the period from April 2010 to March 2011 for Sheopura-Kesarpura Limestone Mines.

Ref: - RPCB Letter No. F.12 (1-140) RPCB/Gr. Mines/ 3127 dated 17/06/2008

Dear Sir,

We are submitting herewith Environmental Status Report for the period from April 2010 to March 2011 for our Sheopura-Kesarpura Limestone Mines situated near village Jhak / Lulwa Tehsil- Masuda, Distt. Ajmer (Raj.)

This is for your kind information please.

Thanking you,

Yours faithfully,
For SHREE CEMENT LTD.,

(Rakesh Bhargava)
Jt. Vice President (Environment)

Copy to: 1) The In-Charge (Regional Office), Rajasthan State Pollution Control Board, RIICO Industrial Area, Phase-III, Madangunj, Kishangarh (Raj.).

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.),

ENVIRONMENTAL STATEMENT
FORM - V
M/s SHREE CEMENT LIMITED - S.K MINE
BEAWAR (RAJASTHAN)
(APRIL 2010 TO MARCH 2011)

PART - A

i. Name and address of the owner / occupier of the industry operation or process.	Sheopura-Kesarpura Limestone Mine, Village Sheopura-Kesarpura, Tehsil Beawar, Distt. Ajmer (Raj.) of M/s. Shree Cement Ltd., P. B. No. 33, Bangur Nagar, BEAWAR-305901 Distt. Ajmer (Raj.)
ii. Industry category Primary - (STC Code) Secondary - (SIC Code)	Red Category
iii. Production capacity Units-	2.0 MTPA
iv. Year of establishment.	1985
v. Date of the last environmental statement submitted	15/9/2010

PART - B
WATER AND RAW MATERIAL CONSUMPTION

Water consumption M ³ /d	
Process (Dust Suppression)	17227 KL (7614 KL Fresh water & 9613 KL Effluent water)
Cooling	-
Domestic	Colony is the common for the mines and cement plant & shree power)

I. WATER CONSUMPTION:

Name of Product	Process Water Consumption Per Unit of Output (KL/MT of Limestone)	
	During the Previous Financial Year	During the Current Financial Year
Limestone	0.013	0.015

II. Raw Material Consumption:

Name of Raw Material	Name of Products	Consumption of Raw Material Per Unit of Output (KL/MT of Limestone)	
		During the Previous Financial Year	During the Current Financial Year
		Not Applicable	Not Applicable

III. Power Consumption (KWH/T):

During Previous Financial Year	During Current Financial Year
1.03	1.27

IV. Total Limestone Production (in Lac Tonnes):

During the Previous Financial Year	During the Current Financial Year
17.44	10.80

PART - C
DISCHARGED TO ENVIRONMENT / UNIT OF OUTPUT

Pollutants	Quantity of pollutants discharged (mass/day)	Concentration of pollutants in discharges	Precentage of variation from prescribed standards with
(a) Water	Waste water generated from the office toilets is discharged into soak pit via septic tank. Waste water generated from workshop has some traces of oil and grease is separated by passing the water through up flow filter and treated water is used for dust suppression.		
(b) Air	Please refer Annexure – I		

PART – D
HAZARDOUS WASTE

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

Hazard-ous Waste	Total Quantity (Ltrs.)	
	During Previous Financial Year April, 2009 to March,2010	During Current Financial Year April,2010 to March,2011
From Process	We are having a common Authorization for Hazardous waste management and handling for SCL Unit-I & II, Waste Heat recovery system (3.5 MW), D.G. Sets, Shree power and Mines.	
	Total quantity generated from April-2009 to March-2010 = 41920 Ltrs. Old stock = 3050 Ltrs. Total used oil received = 44970 ltrs Self used=27035 Ltrs. Sell to recyclers=9240 Ltrs. Balance quantity=8695 ltrs	Total quantity generated from April-2010 to March-2011 = 19138 Ltrs. Old stock = 8695 Ltrs. Total used oil received =27833 ltrs Sell to recyclers=19950 Ltrs. Balance quantity=7883 ltrs
(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	Not Applicable	
(b)	From pollution control facility	Not Applicable	
(c)	1. Quantity recycled or re-utilized within the unit	Not Applicable	
	2. Sold	Not Applicable	
	3. Disposed: During the mining of limestone disposed of overburden. (in Lac tonnes) *	4.52	5.69

* Overburden is being dumped in overburden dump yard.

PART - F

PLEASE SPECIFY THE CHARACTERISATION (IN TERMS OF COMPOSITION AND QUANTUM) OF HAZARDOUS AS WELL AS SOLID WASTES AND INDICATE DISPOSAL PRACTICE ADOPTED FOR BOTH THE CATEGORIES OF WASTES: -

Solid Waste

Solid waste from the mines is Overburden (waste rock) is being handled by shovel & dumper combination from working face and dumped systematically at overburden dump yard. The total overburden generated from the April 2010 to March 2011 was 5.69 Lac Tonnes.

Hazardous Waste

Hazardous waste is used oil. Used oil drained from Mining machineries / equipments is used for lubrication in chains, Stacker and Reclaimer etc and also sold to CPCB authorized recycler.

PART - G

IN RESPECT OF THE POLLUTION ABATEMENT MEASURES TAKEN UP ON CONSERVATION OF NATURAL RESOURCES AND ON THE COST OF PRODUCTION: -

-----NOT APPLICABLE ----

PART - H

ADDITIONAL MEASURES/INVESTMENT PROPOSAL FOR ENVIRONMENT PROTECTION INCLUDING ABATEMENT OF POLLUTION PREVENTION OF POLLUTION: -

Green belt development and tree plantation is our on-going activity. Plantation has been done on OB sites, road sides and on other parts of non mineralized ML area. Till March 2011, we have planted 66911 saplings in 49.6 hectare area.

PART - I

ANY OTHER PARTICULAR FOR IMPROVING THE QUALITY OF THE ENVIRONMENT: -

1. Wet drilling is being done by drilling machine IBH-10, which suppresses dust at the point of generation.
2. Regular water spraying is being done on haulage road and near loading places for effective dust suppression by two water tankers.
3. Controlled Blasting is being done by the use of non electric down line detonators and noise less trunk line detonators, resulting in reduction of noise level and ground vibration to a great extent.
4. We are using Secondary Rock Breaker for breaking limestone boulders instead of Secondary Blasting, which is Eco Friendly. Use of Secondary Rock Breaker has eliminated hazards associated with secondary blasting.
5. We are providing all personal protective equipment (PPEs) to all mine employees i.e. dust mask (Respirator), ear plug & ear muff, eye goggle etc. concern to them as additional measures of Air & Noise Pollution Control.
6. We have an organizational structure for Environment Management to carry out implementation of environment measures envisaged in the EMP (Please refer Annexure-III).
7. We are having full flash environment laboratory for the monitoring of ambient air quality for SPM, RSPM, SO₂ and NO_x and Noise level.

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

Annexure – I	:	Ambient Air Quality Report
Annexure – II	:	Noise Level report
Annexure – III	:	Organizational Structure for Environment Management

ANNEXURE-I

AMBIENT AIR QUALITY ($\mu\text{g}/\text{M}^3$) FOR THE PERIOD OF APRIL 2010 TO SEP 2010

Location Month	Mines Office				Near Mines Crusher			Mines Phase		
	SPM	RSPM	SO ₂	Nox	SPM	SO ₂	NOx	SPM	SO ₂	Nox
Apr-10	188	47	8.5	11.4	374	8.4	10.2	338	8.2	10.3
May-10	187	61	9.4	11.2	377	9.3	11.4	339	9.2	11.2
Jun-10	187	61	9.0	11.1	374	9.1	11.2	340	9.3	11.1
Jul-10	178	60	9	11	361	9	11	335	9	10.7
Aug-10	176	54	9.0	10.4	355	9.2	10.8	328	9.1	10.5
Sep-10	179	59	9.0	10.8	351	9.1	10.6	331	9.2	10.8
Average	183	57	9	11	365	9	11	335	9	11

AMBIENT AIR QUALITY ($\mu\text{g}/\text{M}^3$) FOR THE PERIOD OF OCT 2010 TO MARCH 2011

Location Month	Mines Office				Near Mines Crusher				Mines Phase			
	PM _{2.5}	PM ₁₀	SO ₂	NOx	PM _{2.5}	PM ₁₀	SO ₂	NOx	PM _{2.5}	PM ₁₀	SO ₂	NOx
Oct-10	37	-	8	12	40	-	9	12	40	-	9	12
Nov-10	35	-	7	12	40	-	9	11	35	-	8	12
Dec-10	31	65	8	11	42	78	8	12	37	67	7	11
Jan-11	34	66	8	12	39	81	9	12	34	63	9	11
Feb-11	27	58	7	11	35	74	8	11	31	62	8	12
Mar-11	26	57	7	11	34	66	9	13	32	60	8	11
Average	31	61	7	11	38	75	8	12	35	63	8	11

ANNEXURE-II

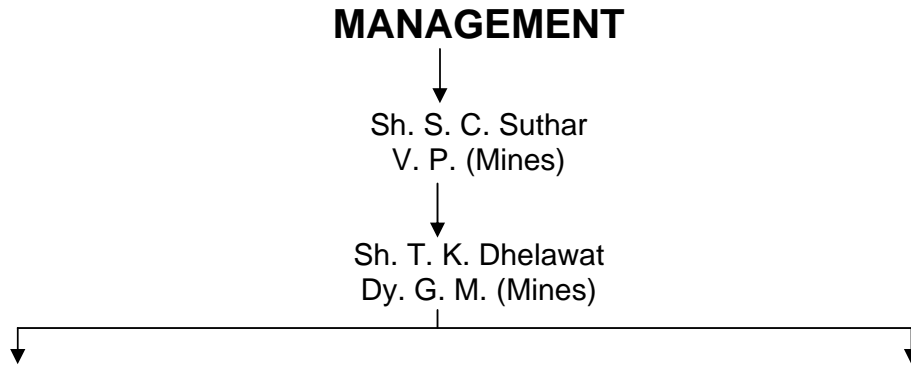
NOISE LEVEL (Leq-dB(A)) FOR YEAR 2010-11

Location Month	Mines Office		Near Mines Crusher		Mines phase	
	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
Apr-10	70.1	63.4	74.3	64.2	73.5	63.1
May-10	70.1	63.2	74.3	64.7	73.5	63.4
Jun-10	70.0	63.4	74.0	63.9	73.8	63.5
Jul-10	70.1	63.1	73.2	64.0	73.7	63.3
Aug-10	70.3	63.2	73.5	64.2	73.6	63.4
Sep-10	70.2	63.2	73.4	64.5	73.5	63.5
Oct-10	71.2	62.6	73.1	64.1	72.6	63.5
Nov-10	70.6	62.8	73.3	63.9	72.7	63.6
Dec-10	70.6	62.6	73.1	63.3	71.8	62.9
Jan-11	69.5	62.8	73.4	63.1	71.5	62.5
Feb-11	70.2	63.9	73.5	63.7	71.8	63.8
Mar-11	69.8	62.8	73.3	63.7	72.2	62.6

ANNEXURE-III

ORGANIZATIONAL STRUCTURE FOR ENVIRONMENT MANAGEMENT

We have an Organizational Structure for Environment Management to carry out implementation of Environment Measures envisaged in the EMP as follows: -



S N	Name	Designation	Responsibility
1	Sh. Pankaj Sharma	Manager (Mines)	Environment Management
2	Sh. Y. B. Sharma	A.G.M (Welfare)	Green Belt Development and Social activity
3	Sh. A. K. Jain	Sr. Manager (Environment)	Environment Management
4	Sh. G. P. Sharma	Dy. Manager (Environment)	Environment Management
5	Sh. Saurabh Agarwal	Officer (Environment)	Environment Management
6	Sh. Ashish Kumar	Engineer (Environment)	Environment Management
7	Sh. Kheem Singh	Dy. Manager (Horticulture)	Green Belt Development