

ENVIRONMENTAL STATEMENT REPORT

For Year 2009-2010

Submitted to:

**Uttarakhand Environment Protection and
Pollution Control Board
(UEPPCB)**

For SHREE CEMENT LTD./LAKSAR


Authorized Sign.

FORM- V

ENVIRONMENTAL STATEMENT REPORT
For Year 2009-10

M/S SHREE CEMENT LIMITED

PART- A

- (i) Name and address of the owner/ Occupier of the Industry, operation or process : Shree Cement Limited,
Shree Grinding Unit- Laksar,
Village: Akbarpur Oud, Tehsil: Laksar,
Distt: Haridwar, Uttarakhand -247663
- (ii) Date of the last environmental Audit report submitted : N.A.
- (iii) Production Capacity : 2.0 MTPA Cement production
(Clinker Grinding Unit)
- (iv) Year of Establishment : 2010
- (v) Last Environment Statement Submitted : Unit started on 2/3/2010

PART- B

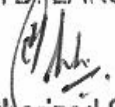
(WATER AND RAW MATERIAL CONSUMPTION)

(i) **Water consumption m3 /d**

- Cooling : 950 KL
Constriction : 15300 KL
Domestic : 5325 KL
Process : N.A. (As plant is based on dry Process technology)

Name of Product	Water consumption per unit of Product	
	During the previous Financial Year	During the Current Financial Year
Cement	N.A.	0.043 KL/MT of Cement

For SHREE CEMENT LTD/ LAKSAR


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(ii) (a) **Raw Material Consumption (MT):**

Name of raw material consume	Name of products	Consumption of raw material Per day
1. Clinker	Cement	560.4 MT
2. Gypsum		36.6 MT
3. Fly-Ash		144.2 MT

(b) **Raw Material Consumption: (D.G. Set)**

1000 K.V.A D.G. Set installed at site but it is not operated on continuous basis. D.G. Set is operated only for plant lighting purpose during failure of Grid power supply. The total fuel consumption during the year 2009-2010 was **6010 Ltrs.**

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
H.S. Diesel	Power	N.A	0.312 Ltrs. / KWH

(iii) **Power Consumption (KWH/T of Cement):**

During Previous Financial Year	During Current Financial Year
N.A	53.45 KWH/T


(iv) **Total Cement Production (MT):**

During Previous Financial Year	During Current Financial Year
	Cement Mill
N.A	22237 MT

(v) **Total D.G. Power Production (KWH):**

During Previous Financial Year	During Current Financial Year
N.A	19235 KWH

For SHREE CEMENT LTD/LAKSAR



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PART- C

Pollution discharges to environment/ unit of output. (Parameter as specified in the consent issued)

Pollution	Quality of Pollutants Discharged (Mass/day)	Concentration of Pollutants discharges (mass/volume)	Percentage of variation from prescribed standards																																																																																													
a) Water	<p>As the plant is being operated on dry process technology, There is no industrial waste water generation from plant process; water used only for cooling & mill spray which is recycled back into the system.</p> <p>The waste water generated from the office toilet and mess is being disposed off in soak pit via septic tank.</p>																																																																																															
b) Air	<table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th colspan="8" style="text-align: center;">Stack Emission level</th> </tr> <tr> <th style="width: 5%;">Sr. No.</th> <th style="width: 10%;">Month</th> <th style="width: 15%;">Pollution Control Measures</th> <th style="width: 15%;">Dimensions of Stack (mtr.)</th> <th style="width: 10%;">Temp. (deg C)</th> <th style="width: 10%;">Velocity (m/sec)</th> <th style="width: 10%;">Flow (N m3/Hr.)</th> <th style="width: 10%;">PM (mg/Nm3)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.</td> <td style="text-align: center;">Mar-10</td> <td style="text-align: center;">Bag House</td> <td style="text-align: center;">1.63</td> <td style="text-align: center;">82</td> <td style="text-align: center;">6.2</td> <td style="text-align: center;">37871</td> <td style="text-align: center;">26</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th colspan="10" style="text-align: center;">Ambient Air Quality at Plant Boundary : all values in µg/m3</th> </tr> <tr> <th style="width: 15%;">Location</th> <th colspan="3" style="width: 25%;">Near Main Gate</th> <th colspan="3" style="width: 25%;">Near Mess</th> <th colspan="3" style="width: 35%;">Near CCR building</th> </tr> <tr> <th style="text-align: center;">Month</th> <th style="text-align: center;">SPM</th> <th style="text-align: center;">SO2</th> <th style="text-align: center;">NOx</th> <th style="text-align: center;">SPM</th> <th style="text-align: center;">SO2</th> <th style="text-align: center;">NOx</th> <th style="text-align: center;">SPM</th> <th style="text-align: center;">SO2</th> <th style="text-align: center;">NOx</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Mar-2010</td> <td style="text-align: center;">184</td> <td style="text-align: center;">7.6</td> <td style="text-align: center;">8.8</td> <td style="text-align: center;">170</td> <td style="text-align: center;">8.0</td> <td style="text-align: center;">7.7</td> <td style="text-align: center;">162</td> <td style="text-align: center;">8.2</td> <td style="text-align: center;">8.0</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="5" style="text-align: center;">Noise level at Plant boundary & D.G. Set</th> </tr> <tr> <th rowspan="2" style="width: 10%;">S.No.</th> <th rowspan="2" style="width: 30%;">Locations</th> <th rowspan="2" style="width: 15%;">Month</th> <th colspan="2" style="width: 45%;">Noise level dB (A)</th> </tr> <tr> <th style="width: 15%;">Day time</th> <th style="width: 15%;">Night time</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.</td> <td style="text-align: center;">Near Main Gate</td> <td rowspan="4" style="text-align: center; vertical-align: middle;">March-2010</td> <td style="text-align: center;">65.8</td> <td style="text-align: center;">53.2</td> </tr> <tr> <td style="text-align: center;">2.</td> <td style="text-align: center;">Near Mess</td> <td style="text-align: center;">62.4</td> <td style="text-align: center;">46.5</td> </tr> <tr> <td style="text-align: center;">3.</td> <td style="text-align: center;">Near CCR building</td> <td style="text-align: center;">66.2</td> <td style="text-align: center;">51.6</td> </tr> <tr> <td style="text-align: center;">4.</td> <td style="text-align: center;">D.G. Set area</td> <td colspan="2" style="text-align: center;">68.0</td> </tr> </tbody> </table>			Stack Emission level								Sr. No.	Month	Pollution Control Measures	Dimensions of Stack (mtr.)	Temp. (deg C)	Velocity (m/sec)	Flow (N m3/Hr.)	PM (mg/Nm3)	1.	Mar-10	Bag House	1.63	82	6.2	37871	26	Ambient Air Quality at Plant Boundary : all values in µg/m3										Location	Near Main Gate			Near Mess			Near CCR building			Month	SPM	SO2	NOx	SPM	SO2	NOx	SPM	SO2	NOx	Mar-2010	184	7.6	8.8	170	8.0	7.7	162	8.2	8.0	Noise level at Plant boundary & D.G. Set					S.No.	Locations	Month	Noise level dB (A)		Day time	Night time	1.	Near Main Gate	March-2010	65.8	53.2	2.	Near Mess	62.4	46.5	3.	Near CCR building	66.2	51.6	4.	D.G. Set area	68.0	
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For SHREE CEMENT LTD/LAKSAR


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**PART- D
(HAZARDOUS WASTES)**

Hazardous Wastes	Total Quantity (Kg)	
	During the previous financial year	During the current financial year
(a) From process	N.A.	NIL
(b) From pollution Control Facilities	N.A.	N.A.

**PART- E
(SOLID WASTES)**

TOTAL QUANTITY (Kg)		
	During the Previous Financial Year	During the Current Financial Year
1) From Pollution Control Equipment	N.A.	Dusts collected in the Bag Filters & Bag House are recycled back into the system.
2) From Process	N.A.	Nil

PART- F

Please specify the characterizations (in terms of composition of quantum) of Hazardous as well solid waste and indicate disposal practice adopted for both these 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 CPCB authorized recycler.

Solid Wastes: - N.A.

For SHREE CEMENT LTD, LAKSAR


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PART- G

Impact of the pollution abatement measures taken on conservation of natural resources and 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

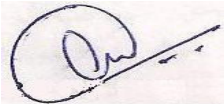
Additional measures/ investment proposal for environmental protection including abatement of pollution, prevention of pollution.

Green belt development and tree plantation is our ongoing process. We are doing new plantation to increase the bio-diversity of the area. Total plant area is 109600 meter² out of which plantation will be done in 33% area which is 36168 meter². Presently 530 plants in 7000 meter² area have been planted, which is around 6 % green area of the total plant area. We will develop desired plantation by the year 2012.

PART- I

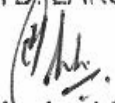
Any other particulates in respect of environmental protection and abatement of pollution.

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.



Prepared By
Dated: 25/09/2010

For
M/S SHREE CEMENT LTD.
For SHREE CEMENT LTD/LAKSAR



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(Authorized signatory)