

ENVIRONMENTAL
STATEMENT
REPORT

For Year 2010-2011

Submitted To:

UTTRAKHAND ENVIRONMENT PROTECTION AND
POLLUTION CONTROL BOARD,
DEHRADUN.
(UEPPCB)

FORM- V
ENVIRONMENTAL STATEMENT REPORT
For Year 2010-2011

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 : 27/9//2010

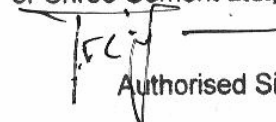
PART- B

(WATER AND RAW MATERIAL CONSUMPTION)

- (i) **Water consumption m³/d**
- Industrial : 14217 KL
Domestic : 11092 KL
Process : N.A. (Dry Process Technology)

Name of Product	Water consumption per unit of Product	
	During the previous Financial Year	During the Current Financial Year
Cement	0.043 KL/MT of Cement	0.026 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	11361.5 MT
2. Gypsum		757.9 MT
3. Fly-Ash		5798.7 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 2010-2011 was 132445 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	0.312 Ltrs. / KWH	0.320 Ltrs. / KWH

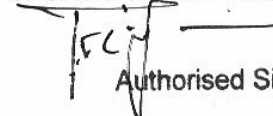
(iii) **Power Consumption (KWH/T of Cement):**

During Previous Financial Year	During Current Financial Year
53.45 KWH/T	43.13 KWH/T

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

During Previous Financial Year	During Current Financial Year
	Cement Mill
22237 MT	537542 MT

For Shree Cement Ltd., Laksar


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

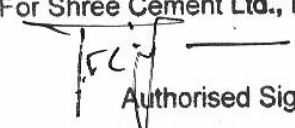
During Previous Financial Year	During Current Financial Year
19235 KWH	413331

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	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. The waste water generated from the office toilet and mess is being disposed off in soak pit via septic tank.																																																																																																																														
b) Air	<table border="1"><thead><tr><th colspan="8">STACK EMISSION LEVEL</th></tr><tr><th>Sr. No.</th><th>Month</th><th>Pollution Control Measures</th><th>Dimensions of Stack (mtr.)</th><th>Temp. (deg C)</th><th>Velocity (m/sec)</th><th>Flow (Nm3/Hr.)</th><th>PM (mg/Nm3)</th></tr></thead><tbody><tr><td>1.</td><td>April-10</td><td>Bag House</td><td>1.63</td><td>81</td><td>7.2</td><td>43904</td><td>32</td></tr><tr><td>2.</td><td>May-10</td><td>Bag House</td><td>1.63</td><td>93</td><td>7.9</td><td>46430</td><td>37</td></tr><tr><td>3.</td><td>Jun-10</td><td>Bag House</td><td>1.63</td><td>82</td><td>7.1</td><td>43464</td><td>38</td></tr><tr><td>4.</td><td>July-10</td><td>Bag House</td><td>1.63</td><td>78</td><td>6.4</td><td>39668</td><td>34</td></tr><tr><td>5.</td><td>Aug-10</td><td>Bag House</td><td>1.63</td><td>76</td><td>6.1</td><td>37590</td><td>41</td></tr><tr><td>6.</td><td>Sept-10</td><td>Bag House</td><td>1.63</td><td>81</td><td>6.8</td><td>41561</td><td>36</td></tr><tr><td>7.</td><td>Oct-10</td><td>Bag House</td><td>1.63</td><td>84</td><td>6.5</td><td>39333</td><td>42</td></tr><tr><td>8.</td><td>Nov-10</td><td>Bag House</td><td>1.63</td><td>81</td><td>6.9</td><td>42225</td><td>40</td></tr><tr><td>9.</td><td>Dec-10</td><td>Bag House</td><td>1.63</td><td>80</td><td>7.2</td><td>43966</td><td>36</td></tr><tr><td>10.</td><td>Jan-11</td><td>Bag House</td><td>1.63</td><td>77</td><td>6.4</td><td>39725</td><td>43</td></tr><tr><td>11.</td><td>Feb-11</td><td>Bag House</td><td>1.63</td><td>83</td><td>6.2</td><td>37818</td><td>37</td></tr><tr><td>12.</td><td>Mar-11</td><td>Bag House</td><td>1.63</td><td>80</td><td>7.8</td><td>38129</td><td>43</td></tr><tr><td colspan="3">Average</td><td>1.63</td><td>81</td><td>6.9</td><td>41151</td><td>38</td></tr></tbody></table>							STACK EMISSION LEVEL								Sr. No.	Month	Pollution Control Measures	Dimensions of Stack (mtr.)	Temp. (deg C)	Velocity (m/sec)	Flow (Nm3/Hr.)	PM (mg/Nm3)	1.	April-10	Bag House	1.63	81	7.2	43904	32	2.	May-10	Bag House	1.63	93	7.9	46430	37	3.	Jun-10	Bag House	1.63	82	7.1	43464	38	4.	July-10	Bag House	1.63	78	6.4	39668	34	5.	Aug-10	Bag House	1.63	76	6.1	37590	41	6.	Sept-10	Bag House	1.63	81	6.8	41561	36	7.	Oct-10	Bag House	1.63	84	6.5	39333	42	8.	Nov-10	Bag House	1.63	81	6.9	42225	40	9.	Dec-10	Bag House	1.63	80	7.2	43966	36	10.	Jan-11	Bag House	1.63	77	6.4	39725	43	11.	Feb-11	Bag House	1.63	83	6.2	37818	37	12.	Mar-11	Bag House	1.63	80	7.8	38129	43	Average			1.63	81	6.9	41151	38
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For Shree Cement Ltd., Laksar

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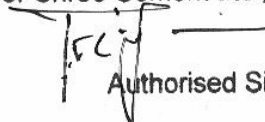
NOISE LEVEL AT PLANT BOUNDARY & D.G. SET

Sr. No.	Month	Plant Boundary Near Main Gate Area		Plant Boundary Near CCR Building Area		D.G. Set Area	
		Noise Level dB (A)		Noise Level dB (A)		Noise Level dB (A)	
		Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
1.	April-10	67.2	56.4	68.1	46.5	69.2	
2.	May-10	68.4	57.5	62.2	50.8	70.4	
3.	June-10	70.4	54.2	64.5	57.8	69.6	
4.	July-10	69.5	56.2	63.6	55.4	70.5	
5.	Aug-10	70.4	58.2	61.8	52.4	68.5	
6.	Sept-10	68.4	57.8	62.6	55.5	71.2	
7.	Oct-10	69.2	58.6	61.8	54.5	70.8	
8.	Nov-10	70.4	58.8	63.6	56.5	71.0	
9.	Dec-10	71.8	63.5	65.6	59.2	69.6	
10.	Jan-11	70.8	65.7	68.9	62.3	78.9	
11.	Feb-11	69.6	63.7	67.2	61.4	76.5	
12.	Mar-11	70.6	64.7	68.7	63.5	72.3	
Average		69.7	59.6	64.9	56.3	71.5	

AMBIENT AIR QUALITY MONITORING: All Values In mg/Nm3

Sr. No.	Month	Plant Boundary Near Main Gate Area			Plant Boundary Near CCR Building Area		
		SPM	SO ₂	NO _x	SPM	SO ₂	NO _x
1.	April-10	222	8.2	9.9	214	8.0	9.2
2.	May-10	219	8.3	10.0	206	7.9	9.4
3.	June-10	228	8.4	9.8	212	7.8	8.9
4.	July-10	168	8.2	9.9	147	7.7	9.2
5.	Aug-10	128	8.8	10.4	113	7.9	9.1
6.	Sept-10	123	8.3	10.1	116	7.6	8.0
Average		181	8.4	10.0	168	7.8	9.0
Sr.	Month	PM2.5	SO ₂	NO _x	PM2.5	SO ₂	NO _x
7.	Oct-10	39	8.5	9.6	32	8.7	9.4
8.	Nov-10	37	8.8	9.8	29	7.8	9.5
9.	Dec-10	39	8.4	9.6	32	7.1	9.4
10.	Jan-11	40	8.3	8.7	36	8.4	8.7
11.	Feb-11	39	8.3	9.3	35	8.3	9.1
12.	Mar-11	35	8.6	9.2	37	9.1	9.5
Average		38	8.5	9.4	34	8.2	9.3

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

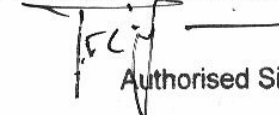
PART- F

Please specify the characterizations (in terms of composition of quantum) of Hazardous as well solid water 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.

For Shree Cement Ltd., Laksar


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Detail of Used Oil (generated & sell out) in financial year is as under:

1. Used Oil generated in financial year 2010-11 is 10450 Ltrs.
2. Used Oil sell out to authorized recycler in financial year 2010-11 is 7350 Ltrs.
3. Balance of used oil in financial year 2010-11 is 3100 Ltrs.
4. Yearly return form 3 & 4 for financial year 2010-11 has already been submitted.

Solid Wastes: - N.A.

PART- G

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

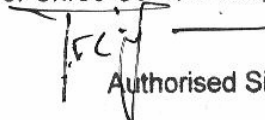
M/s Shree Cement Limited (Grinding Unit) is being operated on dry process technology, which is cost effective and environmentally clean technology. The advantage of dry process is also in fuel economy. The stack emissions from the plant are controlled by equipment like Bag Houses, and Bag Filters installed 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 1958 no. of plants in 17600 meter² area have been planted, which is around 16.08 % green area of the total plant area. We will develop desired plantation by the year 2012.

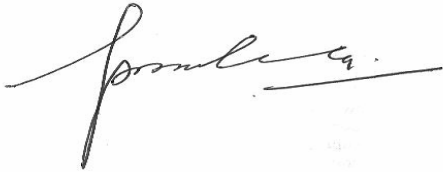
For Shree Cement Ltd., Laksar


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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.



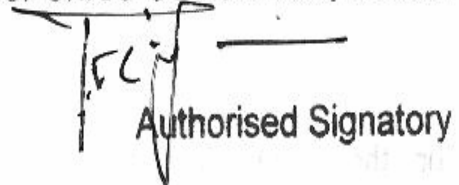
Prepared By:

Dated: 25/09/2011

For

M/S SHREE CEMENT LTD.

For Shree Cement Ltd., Laksar



Authorized Signatory

(Authorized Signatory)