



SHREE CEMENT LTD.

Regd. Office & Works :

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

Phone : EPABX 01462 228101-6
Toll Free : 1800 180 6003 / 6004
Fax : 01462 228117 / 228119
E-Mail : shreebwr@shreecementltd.com
Website : www.shreecementltd.com



SCL/BWR/ENV/2011-12/

Date:-30/11/2011

Dr. K.K. Garg (Director),
Ministry of Environment & Forest,
Regional Office (Central Region),
Kendriya Bhawan, 5th Floor, Sector 'H' Aliganj,
Lucknow (U.P.), Pin-226024

Sub: - Six monthly Compliance of conditions of environmental clearance letter of Unit-II of M/s Shree Cement Limited located at village Andheri Deori, Tehsil-Masuda, District Ajmer (Rajasthan)

Ref:- Environment Clearance letter No. J-11011/101/96-IA-II (I) dated 09/04/1997.

Dear Sir,

In reference to the above subject matter and referred letter, we are submitting herewith the point wise compliance of conditions of the above environmental clearance letter for the period from April, 2011 to September, 2011.

This is for your kind information please.

Thanking you,

Yours faithfully,

For Shree Cement Ltd.

R Bhargava

(Rakesh Bhargava)

Jt. Vice President (Environment)

- Ccto:-
1. The Director (Industry-I) Ministry of Environment & Forests, Paryavaran Bhavan, C.G.O complex, Lodi Road, New Delhi-110 003.
 2. The In-Charge (Zonal Office), Central Pollution Control Board (CPCB), 3rd Floor, Sahkar Bhawan, North T.T. Nagar, Bhopal-462003(M.P.)
 3. The Member Secretary, Rajasthan Pollution Control Board, 4, Institutional Area, Jhalana Doongri, JAIPUR-302004(Rajasthan).

SHREE CEMENT LIMITED UNIT-II
Village Andheri Deori, Tehsil-Masuda, District Ajmer (Rajasthan)

COMPLIANCE STATUS

ENVIRONMENT CLEARANCE LETTER No. : J-11011/101/96-IA-II (I) dated: April 09, 1997
PERIOD OF COMPLIANCE : April, 2011 TO September, 2011
Project Code : Raj-20-140-1997

| A | Conditions | Compliances status |
|--------|---|---|
| (i) | The project authority must take necessary action to adhere to the conditions and measures stipulated by state government and state pollution control board. | All necessary measures have been taken as per the measures stipulated by state government and state pollution control board. |
| (ii) | No further expansion of the plant can be taken up without the prior approval of this ministry. | Plant was commissioned in 1997 with installed capacity of 3700 TPD clinker. There was margin in existing equipment to increase the capacity from 3700 TPD to 5500 TPD clinker with 7200 TPD Cement without affecting the pollution norms. Accordingly RSPCB has granted the consent to establish for up-gradation the production vide letter no. F.12 (1/34RPCB/GrIV/1056 dated 3/11/99. Copy of the same has been submitted to the Ministry. |
| (iii) | The gaseous and SPM emission from various units must confirm to the standards prescribed by the central government or state pollution control board under the EPA norms whichever is more stringent. At no time the emission must exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit (s) must be put the control system are rectified to achieve the desired efficiency. | Emission levels are well within the standards prescribed by the central government and state pollution control board. |
| (iv) | Ambient air quality including ambient noise level must not exceed the standards stipulated under EPA/State authorities. Monitoring of ambient air quality and stack emission shall be carried out regularly in consultation with SPCB and report submitted to the board quarterly and to the ministry (regional office at Lucknow) half-yearly. | Ambient air qualities including ambient noise level are well within the prescribed standards stipulated under EPA/State authorities. Monitoring of ambient air quality and stack emission is being carried out regularly. Monthly monitoring report is submitted to SPCB and half yearly to the Ministry. Monitored data from April 2011 to September 2011 is enclosed as annexure-1 |
| (v) | Fugitive emission of dust should be controlled and work environment monitoring by adequate dust collection and extraction system and housekeeping. | All measures to control the fugitive emission and better housekeeping has been taken & maintained regularly. |
| (vi) | The project authority shall not change any design/height of the stack without permission of state pollution control board. | No change in design of stack height. |
| (vii) | Water requirement for both process and domestic purpose envisaged at 2070m ³ /day must be met from mine water sources only adopting proper mine storage and water utilization schemes. | Water consumption in all the existing cement plants, power plants, mines activities & domestic activities is around 4450 KLD .Out of which 3500 KLD is ground water for which CGWA permission has been obtained & rest received from STP treated water and rain water collected in mine pit. . |
| (viii) | Occupational health of the workers should be periodically monitored and record maintained. | Occupational health of the workers is periodically monitored and record maintained. No any such disease is found so far. |

| (ix) | As proposed in the EMP, green belt must be developed in 75 hac. Around the plant in addition to greenery/plantation in 10.54 hac. A norms of 1500-2000 plantation/hac. of diverse species in consultation with state forest/horticulture deptt. can be followed. | Tree plantation is our on-going process. Out of total land 231.94 hectare we have developed green belt in the area of 82.83 hectare which covers around 35.71 % of total area with 182034 nos of trees saplings. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|--|---|------|-------|---------------------|---|--|-------|---|---------------------------|--------|---|--------------|-------|---|------------------------------|-------|---|-------------|------|---|-----|------|---|-------------|-------|---|------------------|-------|--------------|--|---------------|
| (x) | A separate environmental management cell with suitably qualified personnel to carry out various environmental management functions should be set up under the control of a senior who will report directly to the head of the organization. | We have separate environmental management cell has been established with suitably qualified personnel to carry out various environmental management functions under the control of Jt.V.P. (Environment) & Executive Director. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (xi) | The project authority must set up laboratory facility for collection and analysis of samples under the supervision of competent technical personnel who will directly report to the chief executive. | Well equipped laboratory for environmental monitoring and analysis has been started | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (xii) | The fund earmarked for environmental management measures should not be diverted for other purpose and year-wise expenditure should be reported to this ministry. A six monthly progress report on the project vis-à-vis environmental measures must be submitted to the state / central authorities. | Yearly environment expenditure is being submitted to MOEF. Environment management expenses during 2010-11 were 301.49 Lacs. Detail given below:- <table border="1" data-bbox="919 641 1921 954"> <thead> <tr> <th>S.No</th> <th>Heads</th> <th>Amount (Lac Rupees)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Environmental Monitoring and compliances</td> <td>85.93</td> </tr> <tr> <td>2</td> <td>Air pollution maintenance</td> <td>116.31</td> </tr> <tr> <td>3</td> <td>Horticulture</td> <td>50.10</td> </tr> <tr> <td>4</td> <td>Housekeeping, and Civil Work</td> <td>39.00</td> </tr> <tr> <td>5</td> <td>Water spray</td> <td>1.49</td> </tr> <tr> <td>6</td> <td>STP</td> <td>3.72</td> </tr> <tr> <td>7</td> <td>Shree Power</td> <td>12.96</td> </tr> <tr> <td>8</td> <td>Internal Project</td> <td>19.00</td> </tr> <tr> <td colspan="2" style="text-align: center;">Total</td> <td>301.49</td> </tr> </tbody> </table> | S.No | Heads | Amount (Lac Rupees) | 1 | Environmental Monitoring and compliances | 85.93 | 2 | Air pollution maintenance | 116.31 | 3 | Horticulture | 50.10 | 4 | Housekeeping, and Civil Work | 39.00 | 5 | Water spray | 1.49 | 6 | STP | 3.72 | 7 | Shree Power | 12.96 | 8 | Internal Project | 19.00 | Total | | 301.49 |
| S.No | Heads | Amount (Lac Rupees) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Environmental Monitoring and compliances | 85.93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Air pollution maintenance | 116.31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Horticulture | 50.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Housekeeping, and Civil Work | 39.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Water spray | 1.49 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | STP | 3.72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Shree Power | 12.96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Internal Project | 19.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | | 301.49 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (xiii) | The ministry of any other competent authority may stipulate any further condition after reviewing the compliance reports. The above conditions will be monitored by the Regional office of this ministry located at Lucknow/CPCB/SPCB with respect to its implementation. | Stipulated condition (if any) will be monitored by Regional office of ministry. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (xiv) | The ministry may revoke or suspend clearance, if implementation of the stipulated conditions is not satisfactory. | We are fulfilling all the terms and conditions and submitting compliance reports to SPCB/CPCB and MoEF in time. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (xv) | The above conditions will be enforced inter-alia under the water (prevention and control of pollution) Act, 1974, Air (prevention and control of pollution) Act, 1986 and public liability insurance act, 1991 along with their amendments. | We are complying with water (prevention and control of pollution) Act and Air (prevention and control of pollution) Act. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Shree Cement Limited,
Unit-II
 Andheri Deori Tehsil-Masuda District-Ajmer, Rajasthan
 Monitored data

1. Ambient Air Quality Monitoring Data :-

(Period: April 2011 to September 2011) :- (All values in $\mu\text{g}/\text{m}^3$)

| Location Month | Plant boundary towards village Sarakana | | | | Plant boundary towards Shree Mega Power | | | | Residential Colony | | | | Main Gate | | | |
|-------------------|---|--------|-----------------|-----------------|---|--------|-----------------|-----------------|--------------------|--------|-----------------|-----------------|-----------|--------|-----------------|-----------------|
| | PM 10 | PM 2.5 | SO ₂ | NO _x | PM 10 | PM 2.5 | SO ₂ | NO _x | PM 10 | PM 2.5 | SO ₂ | NO _x | PM 10 | PM 2.5 | SO ₂ | NO _x |
| Apr-11 | 58 | 38 | 8 | 14 | 55 | 34 | 9 | 13 | 49 | 27 | 6 | 12 | 59 | 32 | 7 | 11 |
| May-11 | 62 | 42 | 8 | 13 | 64 | 44 | 7 | 12 | 57 | 36 | 6 | 11 | 59 | 41 | 8 | 12 |
| Jun-11 | 61 | 43 | 9 | 11 | 63 | 44 | 8 | 12 | 57 | 35 | 7 | 10 | 65 | 37 | 9 | 13 |
| Jul-11 | 53 | 32 | 8 | 12 | 54 | 33 | 7 | 11 | 46 | 28 | 6 | 11 | 50 | 29 | 7 | 12 |
| Aug-11 | 52 | 34 | 8 | 11 | 53 | 35 | 7 | 10 | 44 | 28 | 6 | 11 | 51 | 30 | 6 | 11 |
| Sep-11 | 57 | 35 | 9 | 14 | 56 | 37 | 9 | 12 | 50 | 31 | 7 | 11 | 52 | 33 | 7 | 12 |

2. Stack Emission Monitoring data:-

(Period: April 2011 to September 2011)

| MONTH | All values in (mg/Nm ³) | | | | |
|--------|-------------------------------------|-------------|-------------|----------------|-------------|
| | RAW MILL & KILN | COAL MILL-1 | COAL MILL-2 | CLINKER COOLER | CEMENT MILL |
| Apr-11 | 34 | 48 | 36 | 43 | 33 |
| May-11 | 37 | 42 | Shut Down | 35 | 34 |
| Jun-11 | 46 | 43 | Shut Down | 41 | 44 |
| Jul-11 | 45 | 42 | 39 | 40 | 47 |
| Aug-11 | 48 | 44 | Shut Down | 45 | 44 |
| Sep-11 | 49 | 41 | Shut Down | 46 | 45 |

3. Ambient Noise Level Monitoring Data:-

Noise Level (Leq-dB(A) (Period: April 2011 to September 2011)

| Location Month | Plant boundary towards village Sarakana | | Plant boundary towards Shree Mega Power | | Residential Colony | | Main Gate | |
|-------------------|---|------------|---|------------|--------------------|------------|-----------|------------|
| | Day Time | Night Time | Day Time | Night Time | Day Time | Night Time | Day Time | Night Time |
| Apr-11 | 67.6 | 57.8 | 68.8 | 60.2 | 53.6 | 43.2 | 68.9 | 62.5 |
| May-11 | 68.2 | 56.9 | 69.1 | 62.4 | 52.8 | 42.4 | 67.2 | 63.8 |
| Jun-11 | 67.9 | 57.2 | 69.4 | 62.3 | 51.3 | 41.8 | 66.7 | 62.6 |
| Jul-11 | 67.4 | 58.4 | 68.9 | 62.8 | 50.9 | 40.8 | 67.2 | 61.9 |
| Aug-11 | 68.1 | 56.8 | 69.1 | 61.2 | 52.2 | 41.7 | 68.4 | 62.8 |
| Sep-11 | 68.8 | 57.9 | 70.2 | 62.1 | 52.7 | 40.5 | 69.3 | 63.1 |