

O/C ENV

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# SHREE CEMENT LTD.

Regd. Office:

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



SCL/BWR/ENV/2016-17/ 3571

Date: 24/05/18  
2018-05-24

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

**Sub:- 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 17 to September 17.

This is for your kind information please.

Thanking you,

Yours faithfully,

For Shree Cement Ltd.

(Rakesh Bhargava)  
Vice President (Environment)

- Cc to:-
1. The Director (IA Div.-Thermal Power), Ministry of Environment & Forests Indra Paryavaran Bhavan, Jorbag Road, New Delhi-110003
  2. The In-Charge (Zonal Office), Central Pollution Control Board (CPCB), 3<sup>rd</sup> 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).

JAIPUR OFFICE : SB-187, Bapu Nagar, Opp. Rajasthan University, JLN Marg, Jaipur-302 015

Phone : 0141 4241200, 4241204, Fax : 0141 4241219

NEW DELHI OFFICE : 122-123, Hans Bhawan, 1, Bahadurshah Zafar Marg, New Delhi 110 002

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**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 : Oct,17 to March,18  
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.	Prior approval shall be taken from Ministry for any further expansion.
(iii)	The gaseous and SPM emission from various units must conform 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 Oct,17 to Mar,18 is enclosed as <b>Annexure-I</b> .
(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 have been taken & maintained regularly. CPCB Guidelines for control of fugitive emissions have been implemented. Following measures have been taken for control of fugitive emissions <ul style="list-style-type: none"> <li>- Use of covered vehicles for Cement and Clinker transport</li> <li>- Use of Closed container for FlyAsh transport.</li> <li>- Use of rail along with road transport.</li> <li>- All movement area is concreted.</li> <li>- Circular stockpile for covered storage for Coal.</li> <li>- Plantation has been carried out around plant area.</li> <li>- Vaccum sweeping machines are in use.</li> <li>- All unloading hoppers are covered and provided with bag filters.</li> <li>- All conveyer belts are covered.</li> <li>- Water spray system at reclaimers and limestone unloading points.</li> </ul>
(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 <sup>3</sup> /day must be met from mine water sources only adopting proper mine storage and water utilization schemes.	Water consumption in process is around 500 KLD. Domestic water consumption is common for all units which is around 1000 KLD.
(viii)	Occupational health of the workers should be periodically monitored and record maintained.	Occupational health of the workers is periodically monitored and record maintained at occupational health centre. 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 226707 nos of trees saplings. Local native species of plants have been planted for increase of survival rate.
(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 V.P. (Environment).
(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 stabilized.
(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 environmental expenditure is being submitted to MOEF. Environment management expenses of Cement units I, II and Captive power plant during 2017-18 was approx. 506.91 Lacs.
(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.	Shall be complied.
(xiv)	The ministry may revoke or suspend clearance, if implementation of the stipulated conditions is not satisfactory.	All the terms and conditions are being implemented and compliance report is being submitted to SPCB/CPCB and MoEF timely.
(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.	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: October,2017 to March,2018) :- (All values in  $\mu\text{g}/\text{m}^3$ )

Location	Plant boundary towards village Sarakana				Plant boundary towards Power Plant				Residential Colony				Main Gate			
	PM 10	PM 2.5	SO2	NOx	PM 10	PM 2.5	SO2	NOx	PM 10	PM 2.5	SO2	NOx	PM 10	PM 2.5	SO2	NOx
Oct-17	49	30	9	10	48	27	11	11	51	28	8	8	50	29	9	9
Nov-17	50	30	9	9	50	30	10	10	52	27	9	8	51	30	10	9
Dec-17	49	30	9	9	49	29	10	10	51	27	9	8	51	29	10	10
Jan-18	50	30	10	10	52	28	9	9	51	30	11	10	54	29	10	10
Feb-18	51	29	10	10	50	30	8	9	52	27	9	8	55	32	11	9
Mar-18	55	31	10	10	57	32	10	9	52	28	9	9	55	28	10	9

2. Stack Emission Monitoring data:-  
(Period: October,2017 to March,2018)

MONTH	All values in ( $\text{mg}/\text{Nm}^3$ )			
	RAW MILL & KILN	COAL MILL-1	CLINKER COOLER	CEMENT MIILL
Oct-17	11	11	7	17
Nov-17	8	8	10	18
Dec-17	6	9	7	15
Jan-18	15	11	17	11
Feb-18	13	9	15	12
Mar-18	12	21	9	18

3. Ambient Noise Level Monitoring Data:-  
Noise Level ( $\text{Leq-dB(A)}$ ) (Period: October,2017 to March,2018)

Location	Plant boundary towards village Sarakana		Plant boundary towards Power Plant		Residential Colony		Main Gate	
	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
Oct-17	68.1	42.5	65.4	54.2	63.1	47.9	70.2	51.4
Nov-17	66.4	44.2	62.7	53.4	67.2	45.7	69.4	52.4
Dec-17	65.4	46.8	68.9	55.9	60.2	48.5	69.4	49.5
Jan-18	65.8	44.5	62.4	53.8	66.8	45.5	68.7	51.8
Feb-18	66.1	44.9	62.1	54.2	65.4	46.2	67.5	52.1
Mar-18	64.6	48.6	62.7	55.3	65.2	48.5	68.5	53.5



# EKO PRO ENGINEERS PVT. LTD.

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For Any Query Contact  
Group : A-9711159337

## TEST REPORT

### Ambient Air Quality Monitoring

Test Report No. : EKO/EV-AA/115/080118

Issue Date : 13/01/2018

Issued To : Shree Cement Ltd.  
Village- Andheri Deori  
Tehsil - Masuda  
Distt.- Ajmer (Raj)

Sample Description : Ambient Air  
Sample Drawn on : 05/01/2018 To 06/01/2018  
Sample Drawn by : EPEPL(Mr. K.K. Mishra)  
Sample Received on : 08/01/2018  
Sampling Location : Plant Boundary Towards Power Plant  
Sampling Plan & Procedure : SOP-AAQ/15  
Analysis Duration : 08/01/2018 To 13/01/2018  
Sampling Time : 24.0 Hrs  
Ambient Temperature (deg °C) : 16.0  
Average Flow Rate of SPM (m<sup>3</sup>/min) : 1.1  
Average Flow Rate of Gases (lpm.) : 1.0  
Weather Conditions : Clear  
Remark (if any) : Monitoring Photograph Showing Coordinate An Enclosure Annexure-1

### RESULTS

S.No.	PARAMETER	Test Methods	Results	Units	Limits as per EPA*
1	Particulate Matter (PM10)	IS:5182 (P-23)	65.2	µg/m <sup>3</sup>	100.0
2	Particulate Matter (PM2.5)	Eko/Chem/SOP/AAQ-01	45.6	µg/m <sup>3</sup>	60.0
3	Sulphur dioxide (as SO <sub>2</sub> )	IS:5182 (P-2)	7.32	µg/m <sup>3</sup>	80.0
4	Nitrogen Dioxide (as NO <sub>2</sub> )	IS:5182 (P-6)	14.8	µg/m <sup>3</sup>	80.0
5	Arsenic (as As)	Eko/Chem/SOP/AAQ-02	<0.1	ng/m <sup>3</sup>	6.0
6	Mercury (as Hg)	SOP-AAQ/89/04	<0.1	µg/m <sup>3</sup>	-

















