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SHREE CEMENT LTD.

Regd. Office & Works :

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

SCL/SJCP/ENV/34/2013-14/29



Date:- 27/04/2013
Regd A.D

To,

The Member Secretary,
SEIAA Rajasthan
4, Institutional Area, Jhalana Doongri,
Jaipur-302004

Sub: - Regarding half yearly compliance report of the environment clearance granted to Clinker Grinding Unit of Shree Cement Ltd. situated near Village - Dehra, Asalpur, Tehsil - Phulera, District - Jaipur, (Rajasthan).

Ref: - Environmental Clearance Letter No. F I (4)/SEIAA/SEAC-Raj/Sectt/Project/Cat 3(b) B1 (229)/09-10 dated 30th April 2010 and Letter No. F I (4) SEIAA / SEAC-Raj/ Sectt/ Project/ Cat3(b)B1(229)/09-10 dated -12th May, 2010.

Dear Sir,

With reference to the above subject matter, we are submitting herewith point wise compliance of above environmental clearance for the period from April 2013 to Sep-2013.

This is for your kind information please.

Thanking you,
Yours faithfully,
For Shree Cement Ltd.

(Signature)

(S. Palsania)
G.M. (Unit Head)

(Signature)
Copy to:-

1. Secretary, Ministry of Environment and Forest, Govt. of India, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi. - 110003
2. Principal Secretary, Environment Department, Rajasthan, Jaipur.
3. Shri S.C. Derashri, Chairman, SEIAA Rajasthan, 90, Geejgarh Vihar, Hawa Sarak, Jaipur.
4. Shri R.S. Bhandari, Member, SEIAA Rajasthan, 2- Museum Road, Ram Niwas Bagh, Jaipur.
5. Member Secretary, Rajasthan State Pollution Control Board, 4, Institutional Area, Jhalana Doongri, Jaipur. - 302004
6. Member Secretary, SEAC Rajasthan, 4, Institutional Area, Jhalana Doongri, Jaipur. - 302004
7. The CCF, Regional Office, Ministry of Environment & Forests, RO(CZ), Kendriya Bhawan, 5th Floor, Sector 'H', Aliganj, Lucknow-226 020
8. IA- Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi-110003.

o/c

Page 1 of 6

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SHRE CEMENT LIMITED
Village-Dehra, Asalpur, Tehsil – Phulera, District- Jaipur, (Rajasthan)
COMPLIANCE STATUS OF ENVIRONMENT CLEARANCE LETTER

NO. : F I (4)/SEIAA/SEAC-Raj/Sectt/Project/Cat 3(b) B1 (229)/09-10 Dated – 30th April 2010.

PERIOD OF COMPLIANCE: April 2013 to Sep -2013

S. No.	SPECIFIC CONDITIONS	COMPLIANCE STATUS																		
i	The production capacity of the industry for Cement (Clinker Grinding) shall not exceed 4.00 million tones/year.	Present production capacity is 2.0 MMTPA.																		
ii	No water shall be consumed in the processing and no waste water shall be generated.	Cement production process is dry process; hence no water is used in process.																		
iii	The PP shall be achieve the stack emission standards and ambient air standards as notified under E.P. Rules, 1986 (including CREP guidelines)	<p>CREP recommendations related to grinding unit are being complied.</p> <table> <tr> <th>S.No</th><th>CREP CONDITION</th><th>ACTION PLANNED</th></tr> <tr> <td>1</td><td>The new cement kiln to be accorded NOC/ Environmental Clearance w.e.f 1/4/03 will meet the limit of 50 mg/Nm³ for particulate matter emission</td><td>All Pollution Control Equipments are designed to meet the limit of 50 mg/Nm³ for particulate matter emission</td></tr> <tr> <td>2</td><td>The cement industries will control fugitive emission from all raw material and product storage and transfer points by December 2003. However, the National Task Force will decide the feasibility for the control of fugitive emission from limestone and coal storage areas. The NTF shall submit its recommendations within months</td><td>Bag filters have been installed at various material transfer points. Fly ash and clinker is stored in silos. All conveyor belts are covered.</td></tr> <tr> <td>3</td><td>Industries will submit the target date to enhance the utilization waste material by April 2003</td><td>Not applicable</td></tr> <tr> <td>4</td><td>NCBM will carry out a study on hazardous waste utilization in cement kiln by December 2003</td><td>Hazardous wastes are utilized as per the CPCB guideline.</td></tr> <tr> <td>5</td><td>Cement industries will carry out feasible study and submit target dates to CPCB co-generation of power by July-2003</td><td>Not applicable</td></tr> </table>	S.No	CREP CONDITION	ACTION PLANNED	1	The new cement kiln to be accorded NOC/ Environmental Clearance w.e.f 1/4/03 will meet the limit of 50 mg/Nm ³ for particulate matter emission	All Pollution Control Equipments are designed to meet the limit of 50 mg/Nm ³ for particulate matter emission	2	The cement industries will control fugitive emission from all raw material and product storage and transfer points by December 2003. However, the National Task Force will decide the feasibility for the control of fugitive emission from limestone and coal storage areas. The NTF shall submit its recommendations within months	Bag filters have been installed at various material transfer points. Fly ash and clinker is stored in silos. All conveyor belts are covered.	3	Industries will submit the target date to enhance the utilization waste material by April 2003	Not applicable	4	NCBM will carry out a study on hazardous waste utilization in cement kiln by December 2003	Hazardous wastes are utilized as per the CPCB guideline.	5	Cement industries will carry out feasible study and submit target dates to CPCB co-generation of power by July-2003	Not applicable
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iv	The height of the stack for disbursement of the process emissions shall not be less than 30 M or as per the CPCB norms from ground level, which ever is greater.	Stack height attached with cement mill bag house is 50mtrs from ground level.
v	The PP shall operate the unit with prior Consent to Establish and Consent to Operate under the provisions of Water (Prevention & Control of Pollution) Act'74 and Air (Prevention & Control of Pollution) Act'81.	Consent to establish has been obtained vide letter no. F(Tech)/Jaipur (Phulera)/19(1)2010-2011/1050-1052 dt 27/05/2010 and Consent to operate vide letter no. F(Tech)/Jaipur (Phulera)/19(1)/2010-2011 /3860-3862 Dt 13/08/2013.(enclosed)
vi	The particulate matter and gaseous emissions (SOx, NOx CO, CO ₂ , etc) from various processes/ units/storages shall conform to the standards prescribed by the RPCB/CPCB or under the Environment (Protection) Rules'86 from time to time.	Bag dust collectors are installed at all material transfer points to achieve the emission level of PM< 50 mg/Nm ³ .
vii	At no time, the emissions shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the units, the unit shall immediately put off operation and shall not restart until the control measures are rectified to achieve the desired efficiency.	Dust collector has been installed at the stack of cement mill to control the particulate matter emission. Interlocking facility has been provided in the pollution control system with the cement mill.
viii	Continuous stack monitoring facilities to monitor gaseous emissions from all the stacks shall be provided to control emissions within 50 mg/NM ³ by installing adequate air pollution control system like bag filters, dust collectors etc. Interlocking facility shall be provided in the pollution control equipment so that in the event of the pollution control equipment not working, the respective unit(s) is shut down automatically.	Opacity meter has been installed for continuous monitoring of particulate matter emission level from the stack attached with cement mill bag house.
ix	The PP shall install adequate dust collection and extraction system to control fugitive dust emissions at loading/unloading points and at all the transfer points. For source emission control, bag filters shall be provided on clinker hopper, cement silo, fly ash silo, elevator; packer; cement transport equipment etc which will also contribute to reduce fugitive emissions. The fugitive emissions during loading and unloading shall be suitably controlled. Fugitive dust emissions from ball mill and storage areas shall be collected in bag filters and recycled back to the process. Storage of raw material shall be in closed roof sheds. Water sprinkling arrangement shall be made in the raw material stock yard and cement bag loading areas.	Bag filters have been installed at various material transfer points and unloading hoppers to control the fugitive emission. Dust collected in pollution control equipments is recycled back into the process. Fly ash and clinker is stored in silos. All conveyor belts are covered. All roads, truck parking area and cement bag loading areas are concreted.
x	Ambient air quality monitoring stations shall be set up in consultation with RPCB in the down wind direction as well as where maximum ground level concentration of PM ₁₀ & PM _{2.5} , SOx, NOx, CO, CO ₂ , are anticipated.	Ambient air quality monitoring stations have been installed. Monitoring results are attached herewith (annexure 1)
xi	The project proponent shall submit an Air pollution control plan indicating various sources of air pollution, their emission rate, the control established and details of controls etc.	Details have been incorporated in project report.
xii	Portholes and sampling facilities shall be provided for the stacks emissions monitoring as per the Central Pollution Control Board guidelines. Stack emissions shall be monitored in consultation with RPCB	Complied with. Monitoring results are attached herewith (annexure 2)

xiii	Data on ambient air quality and stack emissions shall be submitted to RPCB once in six months carried out by MOEF/NABL/CPCB/Government approved lab.	Three ambient air quality monitoring (AAQM) stations have been installed in consultation with the RSPCB. Monitoring of ambient air quality and stack emission is being carried out regularly & reports are submitted to the RSPCB on monthly basis and ministry's Regional office at Lucknow half- yearly.
xiv	Fugitive dust emissions shall be controlled as per relevant guidelines issued by CPCB.	Bag filters have been provided at various material transfer points and loading and unloading hoppers to control fugitive emission.
xv	The total requirement shall not exceed 300 KLD (150 KLD for domestic use + 150 KLD for industrial use) of which 200 KLD is during Ist Phase & 100KLD during IInd Phase as mentioned in the project report. Ground water extraction shall not be done without prior permission of CGWA	NOC from CGWA has been obtained for the withdrawal of ground water of 300 KLD water vide letter no. 21-4(428)/WR/CGWA/2010-816 on dated 14 may 2010.
xvi	The PP shall provide separate drainage and outlets for the management of storm water.	Separate drainage and outlets for the management of storm water has been constructed. Storm water drains are connected with ground water recharge pit and injection wells. Sewage water drainages are connected with STP.
xvii	Handling, manufacture, storage and transportation of hazardous chemicals shall be in accordance with the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 (amended till date).	No hazardous waste generated from the process. Used oil generated as hazardous waste which is storage in covered shed and sale to CPCB authorize recycler.
xviii	The PP shall take adequate measures for the control of noise shall be taken so as to keep the noise levels below 85dBA in the work environment. Persons working near the machines shall be provided with well-designed ear muffs/plugs and other personnel protective equipments. The Project Proponent shall submit a Silicosis Management Plan to RPCB prior to commencement of work.	Noise level within the plant area is < 85dBA. In high noise area such as near to mill and compressor house, ear muffs are used. Quartz like materials which cause Silicosis related diseases are not used.
xix	Suitable alarm system and standard procedure for transmitting the information on the occurrence of an accident to the proper focal point shall be established.	We have installed smoke detectors, fire alarm & Cyrene for information to all so as to assemble at different pre-identified locations in case of emergency.
xx	Efforts shall be made to increase green belt all around the premises. Native plant species shall be selected for these propose in consultation with the local Forest department. A green belt development plan be prepared and implemented so as to cover at least 33% area of the plot size.	Total plant area is 291616.47 sq mtr. Presently 8100 plants have been planted in 9.8 ha land (33.99%). Further plantation density will be increased in monsoon season.
xxi	A qualified person in the field of environment or separate Environmental Management Cell to be established to implement and carry out various functions is set up under the control of a Senior Executive who will report directly to the head of the project	A separate environmental management cell with full fledged laboratory facilities has been setup to carry out various management and monitoring functions.
xxii	The funds earmarked for the environmental protection measures shall be kept in separate account and shall not be diverted for other purposes and year wise expenditure shall be reported to RPCB under the rules prescribed for environmental audit.	Year wise recurring expenditure on EMP is being submitted to the Officials of Regional Office regularly. Expenditure incurred for the year of 2012-2013 is 106.11(cost in lac)
xxiii	implementation of the environmental safeguards like fire fighting, water harvesting etc. along with socio economic measures like group insurance, free medical facilities, ESI/EPF facilities to the employees as envisaged under the Environmental Management Plan; details are to be submitted to the Rajasthan Pollution Control Board, at the time of applying for consent to establish/operate.	Separate safety department has been established to take care of emergency situation. Fire fighting arrangements have been made at all required locations. Group medical policy and EPF has been adopted.

xxiv	The PP shall ensure that, the EC letter as well as the status of compliance of EC conditions and the monitoring data are placed on company's website and displayed at the project site.	Compliance stats of EC and monitoring data have been placed at the company's website and project site.
xxv	The PP shall ensure that, in order to take up voluntary CSR related activities, a sum of Rs.500.00 lakh is provided and spent initially and a sum of RS 50.00 Lakhs annually. The books of accounts shall reflect the expenditure made in this regard. Item wise break up in this regard shall be submitted to RPCB at the time of applying for CTE	CSR activities are ongoing process and are being carried out in consultation with local Panchayat.
xxvi	Six monthly compliance status reports on project along with implementation of environmental measures shall be submitted to MoEF, Regional Office, Lucknow and Rajasthan State Pollution Control Board.	Yes, we are submitting herewith six monthly compliance of Environment Clearance.
xxvii	The SEIAA, Rajasthan reserves the right to add new conditions, modify/annual any of the stipulated conditions and/or to revoke the clearance if implementation of any of the condition stipulated by SEIAA, Rajasthan or any other competent authorities is not satisfactory.	-

Ambient Air Quality Monitoring Report for the year 2013-14(All Values in $\mu\text{g}/\text{m}^3$)

Annexure - I

S. No	Location →	Plant boundary towards CCR				Plant boundary towards Electrical switch yard				Plant boundary towards Rain Water collection Pond			
	Month ↓	PM 2.5	PM 10	SO ₂	NO _x	PM 2.5	PM 10	SO ₂	NO _x	PM 2.5	PM 10	SO ₂	NO _x
1	Apr 2013	30.0	49.0	9.0	11.0	33.0	54.0	12.0	14.0	29.0	50.0	10.0	13.0
2	May 2013	29.0	49.0	10.0	12.0	33.0	53.0	11.0	14.0	30.0	51.0	11.0	13.0
3	June 2013	30.0	51.0	9.0	11.0	33.0	54.0	11.0	13.0	29.0	48.0	8.0	10.0
4	July 2013	32.0	49.0	10.0	12.0	33.0	53.0	11.0	14.0	29.0	50.0	9.0	11.0
5	August 2013	30.0	48.0	9.0	12.0	32.0	53.0	11.0	14.0	29.0	50.0	10.0	12.0
6	Sep 2013	29.0	47.0	10.0	11.0	31.0	53.0	11.0	14.0	30.0	51.0	9.0	10.0
Average		30.0	48.8	9.5	11.5	32.5	53.3	11.2	13.8	29.3	50.0	9.5	11.5

Stack Emission Level Monitoring Report for the year 2013-14

Annexure - II

S. No.	Month & Year	Particulate Matter Emission Level from Stack attached with Bag House of Cement Mill (mg/Nm^3)
1	Apr 2013	33
2	May 2013	31
3	June 2013	34
4	July 2013	32
5	August 2013	33
6	Sep 2013	31
Average		32



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Tonk Road, JAIPUR-302022 Raj.
Ph.: 94602-22039, 94602-22049
E-mail : teamtesthouse@gmail.com
E-mail : teamtest@rediffmail.com

TEST REPORT

Report No. : A/546
Job Identification. : 1086
Date : 27-06-2013
Issued To : M/S Shree Cement Limited
Jaipur Cement Plant, Jobner, Mehla
Road
Jaipur (Rajasthan)
Type of Unit : Cement Plant
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 22-06-2013
Date of Sample Receipt : 24-06-2013
Date of Test : 24-06-2013 to 26-06-2013
Sample Collected By : Rakesh Sharma
Point of Collection : Ambient Monitoring Station Toward
CCR Building

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	280	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	15.24	IS 5182 (Part 6) : 2006	80.00
3	Particulate Matter (PM2.5) [microgram/m3]	42.12	CPCB Guidelines	60.00

Note:

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E-mail : teamtesthouse@gmail.com
E-mail : teamtest@rediffmail.com

RESULTS

S.N o	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
4	Sulphur Dioxide [microgram/m ³]	10.53	IS 5182 (Part 2) : 2001	80.00
5	Particulate Matter (PM 10) [microgram/m ³]	81.63	IS 5182 (Part 23)	100.00

Notes :-

- # The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred nor implied.
- # This report is not to be reproduced wholly or in part and can not be used evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.


(Rajesh Maheshwari)
Technical Manager


(Kavita Mathur)
Authorized Signatory
(Report No: A/546)



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TEST REPORT

Report No. : A/548
Job Identification. : 1088
Date : 27-06-2013
Issued To : M/S Shree Cement Limited
Jaipur Cement Plant, Jobner, Mehla
Road
Jaipur (Rajasthan)
Type of Unit : Cement Plant
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 22-06-2013
Date of Sample Receipt : 24-06-2013
Date of Test : 24-06-2013 to 26-06-2013
Sample Collected By : Rakesh Sharma
Point of Collection : Ambient Monitoring Station Toward
Rain Water harvesting

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	340	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	15.39	IS 5182 (Part 6) : 2006	80.00
3	Particulate Matter (PM2.5) [microgram/m3]	35.61	CPCB Guidelines	60.00

Note:

Continue to next page...



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
Lab.: G1-584, Sitapura Industrial Area
Tonk Road, JAIPUR-302022 Raj.
Ph.: 94602-22039, 94602-22049
E-mail : teamtesthouse@gmail.com
E-mail : teamtest@rediffmail.com

RESULTS

S.N o	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
4	Sulphur Dioxide [microgram/m ³]	11.57	IS 5182 (Part 2) : 2001	80.00
5	Particulate Matter (PM 10) [microgram/m ³]	71.88	IS 5182 (Part 23)	100.00

Notes :-

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- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.


(Rajesh Maheshwari)
Technical Manager


(Kavita Mathur)
Authorized Signatory
(Report No: A/548)



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E-mail : teamtest@rediffmail.com

TEST REPORT

Report No : A/547
Date : 27/06/2013
Issued to : M/s. Shree Cement limited,
Jobner Plant, Near Village : Dehra Asalpur,
Tehsil : Phulera, Distt : Jaipur
Type of Unit : Cement Grinding Unit
Type of Monitoring : **Ambient Air Quality Monitoring**
Monitored/Collected By : Mr Rakesh Sharma
Date of Monitoring : 22/06/2013 to 23/06/2013
Date of Receipt : 24/06/2013
Date of Test : 24/06/2013 to 26/06/2013
Duration of Sampling : 24 Hours
Point of Collection : **Ambient Monitoring Station Toward
Electric Switch Yard**
Testing Protocol : As per CPCB Guidelines
Sampling Instrument : Respirable Dust Sampler APM 460 BL & Fine
Particulate Sampler APM 550

RESULTS

S. No	Parameter	Observed Value	Limits as per National Ambient Air Quality Standards
1.	Particulate Matter (PM ₁₀) $\mu\text{g}/\text{m}^3$	67.46	100
2.	Particulate Matter (PM _{2.5}) $\mu\text{g}/\text{m}^3$	30.82	60
3.	Sulphur Dioxide as SO ₂ $\mu\text{g}/\text{m}^3$	10.53	80
4.	Oxides of Nitrogen as NO ₂ $\mu\text{g}/\text{m}^3$	16.04	80
5	Carbon Monoxide as CO mg/m^3	0.32	4

Note: -

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Rajesh Maheshwari
Technical Manager

Kavita Mathur
Quality Manager
(Report No: A/547)



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TEST REPORT

Report No. : A/549
Job Identification. : 1089
Date : 27-06-2013
Issued To : M/S Shree Cement Limited
Jaipur Cement Plant, Jobner, Mehla
Road
Jaipur (Rajasthan)
Type of Unit : Cement Plant
Type of Sample : Stack Monitoring
Date of Sample Collection/Monitoring : 22-06-2013
Date of Sample Receipt : 24-06-2013
Date of Test : 24-06-2013 to 26-06-2013
Sample Collected By : Rakesh Sharma
Point of Collection : stack attached with bag House filter

RESULTS

S.N o	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Particulate matter [mg/Nm ³]	35	IS 11255 :1985 (Part 1)	50

Notes :-

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(Rajesh Maheshwari)
Technical Manager

(Kavita Mathur)
Authorized Signatory
(Report No: A/549)