

To,
The Director (Industry)
Ministry of Environment & Forest,
Paryavaran Bhawan, C.G.O. Complex, Lodhi Road,
New Delhi-110003.

Sub: - Regarding half yearly compliance report (October-2010 to March-2011) of the environment clearance of Clinker Grinding Unit (Cement, 2.0 Million TPA) of Shree Cement Limited situated near Village Udepur, Tehsil Suratgarh, District Sri Ganganagar, Rajasthan.

Ref: - Environmental Clearance letter no. F. No. J-11011/293/2008- IA II (I) Dated 19th September, 2008

Dear Sir,

With reference to the above subject matter, we are submitting herewith point wise compliance of conditions of above environmental clearance for the period of **October-2010 to March-2011**.

This is for your kind information please.

Thanking you,
Yours faithfully,
For Shree Cement Ltd., Suratgarh

Ravi Mathur

(R.P.Mathur)
Sr. General Manager (Unit Head)

Encl.: a/a
Copy to:-

1. Director, Ministry of Environment & Forest, Regional office (Central Region), Kendriya Bhawan, 5th Floor Sector 'H' ALIGANG, LUCKNOW (U.P.), Pin-226024.
2. Zonal Officer, Central pollution Control Board, Zonal Office (Central) 3rd Floor, Sahkar Bhawan, North T.T. Nagar, Bhopal-462003.
3. The Member/Secretary, Rajasthan Pollution Control Board, 4, Institutional Area, Jhalana Doongri, JAIPUR-302004(Rajasthan).

O/c Environment Dept, SCLU.

SHRE CEMENT LIMITED

Village- Udepur, Tehsil -Suratgarh, District -Sri Ganganagar, (Rajasthan)
COMPLIANCE STATUS OF ENVIRONMENT CLEARANCE LETTER
NO. : J-11011/293/2008- IA II (I) Dated 19th September, 2008

PERIOD OF COMPLIANCE: OCTOBER; 2010 TO MARCH; 2011

S.No.	SPECIFIC CONDITIONS	COMPLIANCE STATUS																																																											
i	Other necessary statutory clearances from the concerned Departments including 'No Objection Certificate' from the Rajasthan State Pollution Control Board (RSPCB) shall be obtained prior to commencement of construction and / or operation.	We have obtained NOC from CGWA for withdrawal of ground water of 150 KLD water vide letter no. 21-4 (322)/WR/CGWA/ 2008/1987 dated 29/01/2009, and also we have obtained consent to operate from SPCB vide letter no. : F (Tech) GANGANAGAR (SURATGARH)/1 (1)2008-2009/5375 Dated 10/02/2010.																																																											
ii	Continuous stack monitoring facilities to monitor gaseous emissions from all the stacks shall be provided and limit of SPM shall be controlled within 50 mg/Nm ³ by installing adequate air pollution control system. Monitoring of ambient air quality and stack emissions shall be carried out regularly in consultation with Rajasthan State Pollution Control Board (RSPCB) and reports submitted to the RSPCB, CPCB quarterly and to the Ministry's Regional Office at Lucknow half-yearly.	Opacity meter has been installed for online stack emission measurement & emission level is well within limit i.e. 50 mg/Nm ³ . Ambient air quality and stack emissions level are measured on regularly basis & reports are submitted to the RSPCB, CPCB quarterly and to the Ministry's Regional Office at Lucknow half-yearly.																																																											
iii	Bag house and bag filters shall be provided to control particulate matter emissions from various units prescribed by the Rajasthan State Pollution Control Board (RSPCB). At no time, the stack emissions from various sources shall exceed 50 mg/Nm ³ . 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.	Bag house has been installed at the stack of cement mill to control the particulate matter emissions & also bag filters have been provided at various material transfer points & unloading points to control the fugitive emissions. Emission level is well within the prescribed limit i.e. 50 mg/Nm ³ . The interlocking facility has been provided in the pollution control system with the respective unit																																																											
iv	Ambient air quality monitoring (AAQM) stations shall be set up as per statutory requirement in consultation with the Rajasthan State Pollution Control Board (RSPCB) and relevant parameters including noise levels shall not exceed the standards stipulated under EPA or by the State authorities. Monitoring of ambient air quality and stack emissions shall be carried out regularly in consultation with SPCB and reports submitted to the Board quarterly and to the Ministry's Regional Office at Lucknow half-yearly.	<p>Three ambient air quality monitoring (AAQM) stations have been installed in consultation with the RPCB Regional Officer, Bikaner. Monitoring of ambient air quality and stack emissions is being carried out regularly & reports are being submitted to the RSPCB, CPCB quarterly and to the Ministry's Regional Office at Lucknow half-yearly. Monitoring results are given as below:</p> <table border="1"> <thead> <tr> <th colspan="10">Ambient Air Quality at Plant Boundary : all values in µg/M3</th> </tr> <tr> <th rowspan="2">Location Month</th> <th colspan="3">Plant boundary toward truck parking area</th> <th colspan="3">Plant boundary behind CCR building</th> <th colspan="3">Plant boundary towards Udepur village.</th> </tr> <tr> <th>PM (2.5)</th> <th>SO₂</th> <th>NO_x</th> <th>PM (2.5)</th> <th>SO₂</th> <th>NO_x</th> <th>PM (2.5)</th> <th>SO₂</th> <th>NO_x</th> </tr> </thead> <tbody> <tr> <td>Oct.10</td> <td>36</td> <td>7</td> <td>12</td> <td>28</td> <td>7</td> <td>11</td> <td>32</td> <td>7</td> <td>12</td> </tr> <tr> <td>Non.10</td> <td>33</td> <td>7</td> <td>12</td> <td>28</td> <td>7</td> <td>11</td> <td>34</td> <td>7</td> <td>12</td> </tr> <tr> <td>Dec.10</td> <td>35</td> <td>7</td> <td>13</td> <td>32</td> <td>7</td> <td>12</td> <td>37</td> <td>7</td> <td>13</td> </tr> </tbody> </table>	Ambient Air Quality at Plant Boundary : all values in µg/M3										Location Month	Plant boundary toward truck parking area			Plant boundary behind CCR building			Plant boundary towards Udepur village.			PM (2.5)	SO ₂	NO _x	PM (2.5)	SO ₂	NO _x	PM (2.5)	SO ₂	NO _x	Oct.10	36	7	12	28	7	11	32	7	12	Non.10	33	7	12	28	7	11	34	7	12	Dec.10	35	7	13	32	7	12	37	7	13
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		Feb.11	38	8	13	29	7	11	34	7	12
		Mar.11	35	7	12	30	7	11	35	7	13
		Stack Emission level (PM in mg/Nm ³)									
		S.No.	Month		PM (mg/Nm ³)						
		1.	Oct.10		45						
		2.	Non.10		32						
		3.	Dec.10		34						
		4.	Jan.11		42						
		5.	Feb.11		44						
		6.	Mar.11		35						
v	The fugitive emissions during loading and unloading shall be suitably controlled. Bag house and bag filters shall be provided to control air emissions. The company shall install adequate dust collection and extraction system to control fugitive dust emissions at various transfer points. The dust collected from the pollution control equipment shall be recycled back into 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 provided at various material transfer points and loading and unloading hoppers to control the fugitive emission. The 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.									
vi	Impact of transport system due to movement of raw material and finished products on the surrounding environment shall be assessed and all the necessary precautions shall be taken to control dust emissions.	All roads, truck parking area and cement bag loading area are concreted and sweeping of roads is carried out regularly by sweeping machine.									
vii	Total water requirement from Indira Gandhi canal / ground water / any other source shall not exceed 150 m ³ /day. All the recommendations/conditions stipulated by SGWB/CGWA/concerned department shall be implemented. Efforts shall be made to reduce fresh water consumption by recycling and reusing treated wastewater in the process. No effluent shall be discharged outside the factory premises and 'zero' discharge shall be strictly followed. The domestic wastewater shall be passed through septic tanks followed by soak pits and used for green belt development within the premises.	We have obtained NOC from CGWA for withdrawal of ground water of 150 KLD water vide letter no 21-4 (322)/WR/CGWA/2008/1987 dated 29 Jan.2009. At present the water consumption is not more than 150 KLD. The cement manufacturing is based on the dry process technology therefore industrial effluent discharge is zero. Waste water generated from office toilets & canteen is disposed off in soak pit via septic tank.									
viii	'Permission' for the drawl of 150 KLD water from Indira Gandhi canal / ground water / any other source shall be obtained from the concerned department / State Ground Water Board / Central Ground Water Authority (SGWB/CGWA).	We have obtained NOC from CGWA for withdrawal of ground water of 150 KLD water vide letter no. 21-4 (322)/WR/CGWA/2008/1987 dated 29 Jan.2009.									
ix	The dust collected from the pollution control equipments shall be 100% recycled and reused in the process itself. Used oil shall be sold to authorized recyclers / reprocessors only.	The dust collected from dust collectors is recycled back in to cement plant process. The waste water generated from office toilets is disposed off in soak pit via septic tank. Used oil is generated as Hazardous Waste from plant machineries which is using for lubrication in belt conveyors and rest will be sold to the CPCB authorized recyclers/preprocessors.									
x	The company must harvest the rainwater from the roof tops and storm water drains to recharge the ground water. The company must also collect	2 Nos. roof top rain water harvesting structures have been constructed near CCR building.									

	rain water in the mined out pits of captive lime stone mine and use the same water for the various activities of the project to conserve fresh water.	
xi	As proposed, green belt shall be developed in at least 33 % area within the plant premises as per the Central Pollution Control Board guidelines in consultation with local DFO.	Green belt development is our ongoing process. Out of total land 145000 meter ² we have developed green belt in the area of 41576 meter ² which covers around 28.6% of total area with 2515 nos. of tree sampling.
xii	Permission and recommendations of the State Forest Department regarding impact of proposed expansion on the surrounding Dhabadih RF (1 km, N) shall be obtained and implemented.	There is no Dhabadih RF in surrounding to the Unit.
xiii	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Steel plants shall be implemented.	The unit is clinker grinding unit & We are complying with all the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the clinker grinding unit.
	GENERAL CONDITIONS	
i	The project authority shall adhere to the stipulations made by Rajasthan State Pollution Control Board (RSPCB) and State Government.	Yes, we are complying with all the stipulations made by the Rajasthan State Pollution Control Board (RSPCB) and State Government.
ii	No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.	Yes, for further expansion we shall take prior approval from MoEF.
iii	The gaseous (SPM, SO ₂ , NO _x , CO) and particulate matter emissions from various units shall conform to the standards prescribed by the Rajasthan State Pollution Control Board. At no time, particulate emissions from the cement plant shall exceed 100 mg/Nm ³ . Continuous on-line monitors for particulate emissions shall be installed. Inter-locking 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.	Bag house has been installed at the stack of cement mill to control the particulate matter emissions. Opacity monitor for continuous online particulate emissions monitoring has been installed. Stack emission is within the prescribed norms.
iv	Industrial wastewater shall be properly collected and treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May, 1993 and 31 st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	No industrial effluent discharge from the plant process as the cement manufacturing is based on the dry process technology. Waste water generated from office toilets & canteen is disposed off in soak pit via septic tank.

v	<p>The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environmental (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).</p>	<p>Overall noise level in and around the plant area well within the prescribed standards (85 dB (A)). The ambient noise levels are well within the standards prescribed under EPA Rules viz 75 dB (A) (Day time) and 70 dB (A) (Night time.)</p> <table border="1" data-bbox="1174 180 2025 376"> <thead> <tr> <th colspan="8">Noise level with in Plant Area in dB (A)</th> </tr> <tr> <th>S. No.</th> <th>Location</th> <th>Oct-10</th> <th>Nov-10</th> <th>Dec-10</th> <th>Jan-11</th> <th>Feb-11</th> <th>Mar-11</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Raw material Handling</td> <td>80.7</td> <td>79.6</td> <td>80.2</td> <td>80</td> <td>80.2</td> <td>80.4</td> </tr> <tr> <td>2</td> <td>Near Weigh bridge</td> <td>76.9</td> <td>77.4</td> <td>77.1</td> <td>77.4</td> <td>76.2</td> <td>76.4</td> </tr> </tbody> </table> <table border="1" data-bbox="1174 431 2025 834"> <thead> <tr> <th colspan="8">Noise level at Plant boundary dB (A)</th> </tr> <tr> <th rowspan="2">S.No.</th> <th rowspan="2">Location Month</th> <th colspan="2">Plant boundary toward truck parking area</th> <th colspan="2">Plant boundary behind CCR building</th> <th colspan="2">Plant boundary towards Udepur village.</th> </tr> <tr> <th>Day Time</th> <th>Night Time</th> <th>Day Time</th> <th>Night Time</th> <th>Day Time</th> <th>Night Time</th> </tr> </thead> <tbody> <tr> <td>01.</td> <td>Oct.10</td> <td>68.4</td> <td>62.1</td> <td>66.5</td> <td>61.7</td> <td>65.8</td> <td>60.2</td> </tr> <tr> <td>02.</td> <td>Non.10</td> <td>66.2</td> <td>61.4</td> <td>64.2</td> <td>59.7</td> <td>64.8</td> <td>60.1</td> </tr> <tr> <td>03.</td> <td>Dec.10</td> <td>67.6</td> <td>61.8</td> <td>65.4</td> <td>60.2</td> <td>65.0</td> <td>60.4</td> </tr> <tr> <td>04.</td> <td>Jan.11</td> <td>66.4</td> <td>60.2</td> <td>64.9</td> <td>59.9</td> <td>64.7</td> <td>59.8</td> </tr> <tr> <td>05.</td> <td>Feb.11</td> <td>66.5</td> <td>61.2</td> <td>63.1</td> <td>59.4</td> <td>64.2</td> <td>58.8</td> </tr> <tr> <td>06.</td> <td>Mar.11</td> <td>65.3</td> <td>61.6</td> <td>64.2</td> <td>58.9</td> <td>63.4</td> <td>57.5</td> </tr> </tbody> </table>	Noise level with in Plant Area in dB (A)								S. No.	Location	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	1	Raw material Handling	80.7	79.6	80.2	80	80.2	80.4	2	Near Weigh bridge	76.9	77.4	77.1	77.4	76.2	76.4	Noise level at Plant boundary dB (A)								S.No.	Location Month	Plant boundary toward truck parking area		Plant boundary behind CCR building		Plant boundary towards Udepur village.		Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	01.	Oct.10	68.4	62.1	66.5	61.7	65.8	60.2	02.	Non.10	66.2	61.4	64.2	59.7	64.8	60.1	03.	Dec.10	67.6	61.8	65.4	60.2	65.0	60.4	04.	Jan.11	66.4	60.2	64.9	59.9	64.7	59.8	05.	Feb.11	66.5	61.2	63.1	59.4	64.2	58.8	06.	Mar.11	65.3	61.6	64.2	58.9	63.4	57.5
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vi	<p>Proper housekeeping and adequate occupational health programmes must be taken up. Occupational Health Surveillance programme shall be done on a regular basis and records maintained properly for at least 30-40 years. The programme must include lung function and sputum analysis tests once in six months. Sufficient preventive measures shall be adopted to avoid direct exposure to dust etc.</p>	<p>All roads, truck parking area and cement bag loading area are concreted and sweeping of roads is carried out regularly by sweeping machine.</p> <p>Occupational health and safety measures are being undertaken and periodic monitoring is being conducted for dust exposure level & records of the same are maintained as per factories act including health records.</p> <p>Personnel protective equipments have been provided to all the persons to avoid direct exposure to dust.</p>																																																																																																						
vii	<p>The company shall harvest the rainwater from the roof tops and storm water drains to recharge the ground water. The company must also collect rain water in the mined out pits of captive lime stone mine and use the same water for the various activities of the project to conserve fresh water.</p>	<p>2 Nos. roof top rain water harvesting structures have been constructed near CCR building.</p>																																																																																																						
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ix	<p>The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/ EMP.</p>	<p>Yes, we are comply with all the environmental protection measures and safeguards recommended in the EIA/EMP.</p>																																																																																																						

x	As proposed, Rs. 9.00 Crores shall be allocated towards the environment pollution control measures and used exclusively to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. Time bound implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Ministry's Regional Office at Lucknow. The funds so provided shall not be diverted for any other purpose.	<p>Year wise recurring expenditure on EMP is being submitted to the Officials of Regional Office regularly. Expenditure incurred for the year of 2010-2011 is given below:-</p> <table border="1" data-bbox="1178 221 2038 526"> <thead> <tr> <th data-bbox="1178 221 1272 307">S.No.</th> <th data-bbox="1272 221 1747 307">Heads</th> <th data-bbox="1747 221 2038 307">Year April, 2010- March, 2011 (Cost in Lac)</th> </tr> </thead> <tbody> <tr> <td data-bbox="1178 307 1272 366">1</td> <td data-bbox="1272 307 1747 366">Environmental Monitoring and compliances</td> <td data-bbox="1747 307 2038 366">17.68</td> </tr> <tr> <td data-bbox="1178 366 1272 398">2</td> <td data-bbox="1272 366 1747 398">Dust Collectors Installation</td> <td data-bbox="1747 366 2038 398">15.36</td> </tr> <tr> <td data-bbox="1178 398 1272 429">3</td> <td data-bbox="1272 398 1747 429">Horticulture</td> <td data-bbox="1747 398 2038 429">3.16</td> </tr> <tr> <td data-bbox="1178 429 1272 460">4</td> <td data-bbox="1272 429 1747 460">House keeping, and Civil Work</td> <td data-bbox="1747 429 2038 460">445.51</td> </tr> <tr> <td data-bbox="1178 460 1272 492">5</td> <td data-bbox="1272 460 1747 492">Water spray</td> <td data-bbox="1747 460 2038 492">0.81</td> </tr> <tr> <td data-bbox="1178 492 1272 526"></td> <td data-bbox="1272 492 1747 526">Total</td> <td data-bbox="1747 492 2038 526">482.54</td> </tr> </tbody> </table>	S.No.	Heads	Year April, 2010- March, 2011 (Cost in Lac)	1	Environmental Monitoring and compliances	17.68	2	Dust Collectors Installation	15.36	3	Horticulture	3.16	4	House keeping, and Civil Work	445.51	5	Water spray	0.81		Total	482.54
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xi	A separate environmental management cell with full fledged laboratory facilities to carry out various management and monitoring functions shall be set up under the control of Senior Executive.	A separate environmental management cell with full fledged laboratory facilities has been setup to carry out various management and monitoring functions.																					
xii	The Regional Office of this Ministry at Lucknow / Central Pollution Control Board / Rajasthan State Pollution Control Board shall monitor the stipulated conditions. A six monthly compliance report and the monitored data alongwith statistical interpretation shall be submitted to them regularly.	<p>We extend our full co-operation to the Officers of the Regional Office during site visit to monitor the stipulated conditions.</p> <p>We are submitting herewith six monthly compliance report on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forests, its Regional Office; Lucknow, Central Pollution Control Board and State Pollution Control Board.</p>																					
xiii	The Project Authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Production started from 10/02/2010.																					
xiv	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the Rajasthan State Pollution Control Board/Committee and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This should be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office at Lucknow.	We have informed the public that the project has been accorded the environmental clearance by the Ministry of Environment and Forest, Govt. of India by giving advertisement in two local news papers namely Rajasthan Patrika & Dainik Navjyoti dated on 24/9/2008 and a copy of the same have been sent to the regional office of the MoEF vide our letter dated 14/10/2008.																					