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BANGUR CEMENT UNIT

(A UNIT OF SHREE CEMENT LTD.)

Near N.H.No.62, Village-Rohi, Udaipur-Udasar,
Tehsil-Suratgarh-335804, Distt.-Sriganganagar (Raj.) India



BCU/Suratgarh/MoEF&CC/2018-2019/

CIN No.: L26943RJ1979PLC001935

To

Date-20.05.2019

✓ The APCCF, Head of Dept.
Ministry of Environment, Forest & Climate Change
Regional Office (Central Zone), Kendriya Bhawan
5th Floor Sector, 'H' ALIGANJ,
Lucknow (U.P.), Pin-226020

Subject- Regarding half yearly Compliance report (October-2018 to March-19) of the Environmental Clearance Letter of Bangur Cement Unit (A Unit of Shree Cement Limited) (Cement, 5.5 Million TPA) near Village-Rohi, Udepur, Udasar, Tehsil-Suratgarh, District-Sri Ganganagar, Rajasthan.

Ref:- Environmental Clearance letter no.F1.(4)SEIAA/SEAC-Raj/Sectt/Project/Cat.7(d) B1(15230)/16-17 dated 22/11/2017.

Dear Sir,

With reference to the above subject matter, we are submitting herewith point wise Compliance Report of above environmental clearance letter of Bangur Cement Unit (A Unit of Shree Cement Limited) (Cement, 5.5 Million TPA) near Village-Rohi, Udepur, Udasar, Tehsil-Suratgarh, District-Sri Ganganagar, Rajasthan.

This is for your kind information please

Thanking you

Yours faithfully,

For Bangur Cement Unit (A Unit of Shree Cement Limited)

(Arun Agarwal)

General Manager (Unit In-charge)

Encl: As above

1. The Director (Industry), Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi, 110003
2. The Zonal Officer, Central Pollution Control Board, Zonal Office (Central) 3rd Floor, Sahkar Bhawan North T.T. Nagar, Bhopal-462003.
3. The Member Secretary, Rajasthan State Pollution Control Board, 4, Institutional Area, Jhalana Doongri, Jaipur, Rajasthan, 302004.

BEAWAR OFFICE : Bangur Nagar, Post Box No. 33, Beawar 305 901 (Raj.)

Phone : 01462 228101-6. Fax : 01462 228117 / 119

JAIPUR OFFICE : SB-187, Opp. Rajasthan University, Bapu Nagar, JLN Marg, Jaipur-302015

Phone : 0141-4241000, 4241200, 4241204, Fax : 0141-4241219

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

Phone : 011 23370828, 23379218, 23370776, Fax : 011 23370499

CORP. OFFICE : 21, Strand Road, Kolkata 700 001 Phone : 033-22309601-5 Fax : 033 22434226

BANGUR CEMENT UNIT (A UNIT OF SHREE CEMENT LIMITED)
Village-Rohi, Udaipur-Udasar,
Tehsil -Suratgarh, District -Sri Ganganagar, (Rajasthan)
COMPLIANCE STATUS OF ENVIRONMENT CLEARANCE LETTER
No. F1.(4) SEIAA/SEAC-Raj/Sectt/Project/Cat.7 (d) B1 (15230)/16-17 dated-
22/11/2017

Sr. No.	PART A: SPECIFIC CONDITIONS	COMPLIANCE STATUS																										
I. CONSTRUCTION PHASE																												
1	The production capacity of the industry is 5.5 Millian TPA cement.	The Production capacity as per CTO is 4.5 MTPA. Consent to operate issued vide file no. G (CPM)/ 1000/3944 (1)/2017-2018/ 9381-9383 dated 07 th Feb, 2018. The same is enclosed as Annexure-I																										
2	The Water Requirement for the project shall not exceed 200 KLD. The water will be obtained from ground water supply. No ground water extraction shall be permitted without prior permission of CGWA.	The Water Requirement for the project shall not exceed 200 KLD. The NOC for water abstraction of 200 KLD has been issued by Central Ground Water Authority vide letter CGWA/NOC/IND/ORIG/2018/3853 dated on 30 th July, 2018. The same is enclosed as Annexure-II																										
3	The PP shall achieve the stack emission standards and ambient air standards as notified under EP Rules 1986.	<div>Ambient air and stack emission standards are within the norms as per notification of EP rules-1986.</div> <table><tr><th>Month</th><th>Location</th><th>Monitored value (mg/ Nm3)</th><th>Average Opacity Meter (mg/Nm3)</th></tr><tr><td>Oct-18</td><td rowspan="6">Cement Mill Stack attach with bag-house</td><td>19.11</td><td>18.07</td></tr><tr><td>Nov-18</td><td>18.74</td><td>18.57</td></tr><tr><td>Dec-18</td><td>25.24</td><td>25.85</td></tr><tr><td>Jan-19</td><td>20.42</td><td>21.45</td></tr><tr><td>Feb-19</td><td>19.28</td><td>18.63</td></tr><tr><td>Mar-19</td><td>22.14</td><td>21.75</td></tr></table> <div>Ambient Air Results enclosed as Annexure-III</div>				Month	Location	Monitored value (mg/ Nm3)	Average Opacity Meter (mg/Nm3)	Oct-18	Cement Mill Stack attach with bag-house	19.11	18.07	Nov-18	18.74	18.57	Dec-18	25.24	25.85	Jan-19	20.42	21.45	Feb-19	19.28	18.63	Mar-19	22.14	21.75
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Mar-19		22.14	21.75																									
4	The height of the stack for disbursement of the process emissions shall not be less than 30 mtrs from ground level.	The height of Stack is 50 meter from the ground level.																										
5	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.	The Consent to Establish (CTE) & Consent to Operate (CTO) has been issued by RSPCB (Rajasthan State Pollution Control Board), Rajasthan. Details as under:- <ul style="list-style-type: none">Consent to Establish issued vide file no. G (CPM)/ 1000/3944 (1)/2017-2018/ 7811-7813 dated 18th Dec, 2017. (Enclosed as Annexure-IV)Consent to Operate issued vide file no. G (CPM)/ 1000/3944 (1)/2017-2018/ 9381-9383 dated 07th Feb, 2018.(Annexure-I)																										
6	The particulate matter and gaseous emissions (SOx, NOx, CO, CO2, 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.	The unit is clinker grinding unit, no any gaseous emissions (SOx, NOx, CO, CO2, etc) generated by the plant. Only particulate matters emissions are generated during the operation. The particulate matter regularly monitored and the result are within standards prescribed norms by the RPCB/CPCB or under the Environment (Protection) Rules' 86 from time to time. Results enclosed as Annexure-III																										
7	That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the industry / unit / project proponent.	Noted.																										

	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred. within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010	
8	At no time, the emissions shall go beyond the prescribed standards. In the event of failure of any Pollution control system adopted by the unit, the unit shall immediately put off operation and shall not restart until the control measures are rectified to achieve the desired efficiency.	If emissions shall go beyond prescribed standards, the operation will be put off automatically. The operation will start after rectification and after the desired efficiency of pollution control system.
9	An amount of Rs 2.5 Lacs per year should be used for housing of labor within the site with all necessary infrastructure and facilities such as health facility, sanitation facility, and fuel for cooking, along with safe drinking water, medical camps, and toilets for women, crèche for infants.	The facilities for labor i.e. rest shelter, Health facility, sanitation facility, fuel for cooking, drinking water, time to time medical camp & toilets for women, crèche for infants etc. are provided.
10	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.	<p>All preventive measures have been implemented to control fugitive emissions.</p> <ul style="list-style-type: none"> • The Bag House & Bag Filters have been installed at all material transfer points, clinker hopper, cement silo, fly ash silo, elevator, packer & other fugitive emission point for dust collection & extraction. • The fugitive emissions have been under control near loading & unloading • The transportation of Raw material & finished product done by covered vehicles. • Collected fugitive dust by the bag filters is recycled back to process. • All raw material stored in covered sheds. • The water sprinkling system installed in the raw material stock yard and cement bag loading areas.
11	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 PM10& PM2.5, SOx, NOx, CO, CO2, are anticipated.	Ambient Air quality monitoring stations have been set up in consultation with RSPCB. Total three numbers of monitoring stations have been installed at down wind direction & maximum ground level concentration of PM10& PM2.5, SOx, NOx, CO, CO2, are measured.
12	Air emission sampling facilities shall be provided for the emissions monitoring as per the Central Pollution Control Board guidelines, in consultation with RPCB.	Air emission sampling facilities have been provided for the emissions monitoring as per the Central Pollution Control Board guidelines, in consultation with RSPCB.
13	Data on ambient air quality and emissions shall be submitted to RPCB once in six months carried out by MOEF/NABL/CPCB/Government approved lab.	The monitoring is being carried out by NABL approved lab. Data is being continuously submitted to RSPCB.
14	Construction activity in areas that requires Wild Life Clearance(if any) should be taken up only after obtaining Wild Life Clearance from NBWL	Not Applicable.
15	The E.C. is subjected to the specific condition that the PP shall obtain prior	Noted.

	clearance form forestry and wild life angle including clearance from standing committee of National Board of Wild Life as applicable. It is further categorically stated that grant of EC does not necessary implies that forestry and wild Life clearance shall be granted to the project and that proposals for forestry and wild Life clearance will be considered by the respective authorities on their merits and decision taken. The investment made in the project, if any based on EC so granted, in PP and MOEF shall not be responsible in this regard in any manner.																																																															
16	The Company shall provide stacks of adequate height to the 2/3 nos. of D.G. Sets of 1250 kVA(1*1000 /2*500KVAand 1 of 250 KVA) along with acoustic enclosures for noise control as per CPCB guidelines. The DG Sets shall comply with the norms notified under Environment (Protection) Act, 1986.	The unit has provided adequate height of stacks of DG sets along with acoustic enclosures for noise control as per CPCB guideline.																																																														
17	Fugitive dust emissions shall be controlled as per relevant guidelines issued by CPCB.	As per CPCB guidelines following preventive measures have been taken to control fugitive emissions:- <ul style="list-style-type: none">• Bag house have been provided with Cement Mill.• Enclosures have been provided for unloading & loading operations.• The transportation of Raw material & finished product done by covered vehicles.• Bag Filters have been installed at transfer points.• All the roads inside the plant premises have been concreted.• Regular sweeping of all the roads have been done by vacuum sweeping machine.• Collected fugitive dust by the bag filters is recycled back to process.• The packing machine has been equipped with dust extraction arrangement. Dust has been captured in bag filters.• Regular monitoring has been done for control the fugitive dust emission.																																																														
18	The PP shall provide separate drainage and outlets for the management of storm water.	The separate drainage & outlets have been provided for management of storm water.																																																														
19	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).	The hazardous waste stored in plant premises with proper storage facility as per guidelines. Hazardous waste will be sold out to RSPCB authorized recycler.																																																														
20	The PP shall take adequate measures for the control of noise so as to keep the noise levels below 85 dB(A) in the work environment. Persons working near the machines should be provided with well-designed ear muffs/plugs and other personnel protective equipment.	Overall noise level in and around the plant area well within the prescribed standards (85 dB (A)). <table><tr><th colspan="7">Noise level at Plant boundary (in dB (A))</th></tr><tr><th rowspan="2">Location Month</th><th colspan="2">Plant Main Gate</th><th colspan="2">Plant boundary behind CCR building</th><th colspan="2">Plant boundary near logistic building</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><tr><td>Oct,18</td><td>61.2</td><td>45.8</td><td>56.5</td><td>46.4</td><td>57.3</td><td>46.1</td></tr><tr><td>Nov,18</td><td>60.8</td><td>46.2</td><td>57.3</td><td>48.7</td><td>58.9</td><td>47.8</td></tr><tr><td>Dec,18</td><td>59.2</td><td>44.9</td><td>58.1</td><td>49.1</td><td>55.5</td><td>50.1</td></tr><tr><td>Jan,19</td><td>57.4</td><td>43.9</td><td>61.2</td><td>48.8</td><td>58.4</td><td>47.1</td></tr><tr><td>Feb,19</td><td>60.2</td><td>48.5</td><td>57.4</td><td>45.9</td><td>63.1</td><td>46.3</td></tr><tr><td>Mar,19</td><td>58.9</td><td>46.1</td><td>55.7</td><td>47.5</td><td>62.4</td><td>49.1</td></tr></table>	Noise level at Plant boundary (in dB (A))							Location Month	Plant Main Gate		Plant boundary behind CCR building		Plant boundary near logistic building		Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Oct,18	61.2	45.8	56.5	46.4	57.3	46.1	Nov,18	60.8	46.2	57.3	48.7	58.9	47.8	Dec,18	59.2	44.9	58.1	49.1	55.5	50.1	Jan,19	57.4	43.9	61.2	48.8	58.4	47.1	Feb,19	60.2	48.5	57.4	45.9	63.1	46.3	Mar,19	58.9	46.1	55.7	47.5	62.4	49.1
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21	Suitable alarm system and standard procedure for transmitting the information on the occurrence of an accident to the proper focal point shall be established.	Complied															
22	Efforts shall be made to increase green belt all around the premises. Native plant species shall be selected for this purpose 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.	Plantation and green development work is under progress. We have planted total 2403 number of sampling Plants and which is help to cover area 20910 m ² .															
23	A qualified person in the field of environment or separate Environmental Management Cell shall 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.	Complied															
24	As envisaged under the Environmental Management Plan, the PP shall earmark an amount of Rs. 8.00 Crores towards initial capital cost and Rs. 40 Lacs towards annual recurring cost of implementing the Environmental Protection Measures. 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.	<p>Year wise recurring expenditure on EMP is being submitted to the Officials of Regional Office regularly. Expenditure incurred for the year of Oct, 2018-Mar.2019 is given below:-</p> <table border="1"> <tr> <th>S. No.</th><th>Heads</th><th>Period Oct, 2018-Mar.2019 (Cost in Lac)</th></tr> <tr> <td>1</td><td>Dust Collectors Maintenance</td><td>5.26</td></tr> <tr> <td>2</td><td>Horticulture & Water spray</td><td>4.49</td></tr> <tr> <td>3</td><td>Housekeeping, and Civil Work</td><td>22.06</td></tr> <tr> <td></td><td>Total</td><td>31.81</td></tr> </table>	S. No.	Heads	Period Oct, 2018-Mar.2019 (Cost in Lac)	1	Dust Collectors Maintenance	5.26	2	Horticulture & Water spray	4.49	3	Housekeeping, and Civil Work	22.06		Total	31.81
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2	Horticulture & Water spray	4.49															
3	Housekeeping, and Civil Work	22.06															
	Total	31.81															
25	Implementation of the environmental safeguards like firefighting, 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.	The Environmental safeguards like firefighting, water harvesting system has been provided in plant premises. All facilities like group insurance, free medical facilities and ESI/EPF facilities have been provided to employees as envisaged under the Environmental Management Plan.															
26	As committed the PP shall earmark an initial amount of Rs. 1062.5 Lacs for implementing various activities under CSR action plan. The activities would include proposed Drinking Water facilities', providing Toilets & Urinals and First aid facility in Schools, and maintenance of these facilities. Item wise break up in this regard may be submitted to RPCB at the time of applying for CTE.	<p>Total Rs. 1062.5 lacs earmarked for CSR activities for five years. The various CSR initiatives are been implemented starting from financial 2018-2019. The CSR initiatives under taken various activities</p> <ul style="list-style-type: none"> • Education Promotion Programmes • Health & Family Welfare Programmes • Contribution in Religious • Social Programmes • Community Infrastructure Development Projects 															
27	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.	Complied															
28	Six monthly compliance status reports on project along with implementation of environmental measures shall be	Six monthly compliance status reports on project along with implementation of environmental measures will be submitted to MoEF, Regional Office, Lucknow, SEIAA, and Rajasthan State Pollution Control															

	submitted to MoEF, Regional Office, Lucknow, SEIAA, and Rajasthan State Pollution Control Board.	Board.
29	All the other statutory clearances such as the approvals for storage of diesel from the Chief Controller of Explosives, Fire department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (protection) Act, 1972 etc. shall be obtained, as may be applicable, by PP from the competent authority.	Complied
30	The PP shall ensure advertising in at least two local newspapers widely circulated in the region, one of which shall be in vernacular language that, the project has been accorded environmental clearance and copies of the clearance letters are available with SEIAA, Rajasthan and the Rajasthan State Pollution Control Board and may also be seen on the website of the Board at www.rpcb.nic.in. The advertisement shall be made within 7(seven) days from the date of issue of the environmental clearance and a copy shall also be forwarded to the SEIAA, Rajasthan and Regional Office, Jaipur(S) of the Board.	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 Bhaskar dated on 26/11/2017 & 27/11/2017 and a copy of the same have been submitted to the SEIAA, Rajasthan and Regional Office, Jaipur(S) of the Board.
31	These stipulations would also be enforced amongst the others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification' 06.	Noted
32	Environment clearance is subject to final order of the Honb'le Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition(Civil) No. 460 of the year 100-1 as . may be applicable to this project.	Noted.
33	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.	Its board's jurisdiction.
II	OPERATION PHASE	
1	An independent expert shall certify the installation of the Sewage Treatment Plants (STP) and a report in this regard shall be submitted to the RPCB, before the project is commissioned for operation. Discharge of treated sewage shall conform to the norms & standards of the Rajasthan State Pollution Control Board.	The Sewage Treatment plant (STP) 25 KL capacity has been installed for treatment of domestic waste water. The parameters of treated water are within the norms & standard. Treated water used for plantation & greenbelt development. The Report of water quality are enclosed as <u>Annexure- V.</u>
2	Adequate measures shall be taken to prevent odor from solid waste processing	There is no solid waste generated from our unit. The domestic waste water generated which is used for plantation & greenbelt development

	and STP	after treatment.
3	Proper system of channelizing excess storm water shall be provided.	Proper system of channelizing excess storm water has been provided. The storm are connected with one-another and water stored through proper channel system.
4	Rain Water harvesting (RWH) for roof top run-off and surface run-off, as planned shall be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended intiri and grease. The Rain Water Harvesting plan shall be as per GOI manual.	The Rain water Harvesting system (RWH) has been developed for roof top run-off and surface run-off as per GOI manual. The stored rain water will be injected in underground through injection well after filtration.
5	The proposals on the energy conservation measures confirming to energy conservation norms finalized by Bureau of Energy Efficiency shall be implemented.	Complied
6	The power factor shall be maintained near unity.	Complied
7	Application of solar energy shall be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating. A hybrid system or fully solar system for a portion of the apartments shall be provided.	Complied
8	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking shall be fully internalized and no public space shall be utilized.	The separate parking area for vehicles has been developed in open space within plant premises & outside the plant boundary. No public space is utilized for parking. The entry & exit point provided for proper movement of vehicles. The transportation is done as per traffic rules & regulation.
9	Regular and periodic mock drills shall be undertaken by the fire department at least once in a year	Regularly mock drills & safety training programme is done by the fire & Safety department.
10	Tile D. G. sets to be operated with stack height as per EP Act, 1986 along with acoustic enclosure.	The DG sets has been installed with adequate stack height along with acoustic enclosure as per EP Act, 1986.
11	Incremental pollution loads on the ambient air quality noise and water quality shall be periodically monitored after commissioning of the project and report to be submitted to RPCB.	Complied
12	The solid waste generated shall be properly collected & segregated before disposal to the City Municipal Facility. The in-vessel bio-conversion technique may be used for composting the organic waste.	Complied
13	Any hazardous waste including biomedical waste shall be disposed of as per applicable Rules & norms with necessary approvals of the Rajasthan State Pollution Control Board.	The Hazardous waste including biomedical waste will be sold out to RSPCB authorized recycler as per rules & norms.
14	The green belt design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land use. The proposed open space inside the plot shall be suitably landscaped and covered with vegetation of indigenous variety.	The 7.5m green belt development ongoing process along with periphery. We are doing regular monitoring. The noise level recorded at day time & night time within prescribed norms. (Results enclosed as Annexure-III)

15	Trees and shrubs of local species shall be planted to allow habitat for birds with appropriate distance from the boundary.	Trees & Shrubs of local species will be planted in consultation with local forest department. The distance will be maintained from the boundary for birds habitat development.
16	The SE1AA, Rajasthan reserve the right to add new conditions, modify/ annual any condition and/or to revoke the clearance if implementation of any of the aforesaid condition/other stipulations imposed by competent authorities is not satisfactory. Six monthly compliance status report of the project along with implementation of environmental measures shall be submitted to MoEF, Regional Office, Lucknow, SEIAA, Rajasthan & RPCB, Jaipur.	Its board's jurisdiction.
B. GENERAL CONDITIONS		
1	The environmental safeguards contained in Form 1-A shall be implemented in letter and spirit.	Complied
2	Six monthly monitoring reports shall be submitted to SEIAA, Rajasthan and Rajasthan State Pollution Control Board.	Complied
3	Officials of the RPCB, who would be monitoring the implementation of environmental safeguards, shall be given full cooperation facilities and documents/data by the PP during their inspection. A complete set of all the documents submitted to SE1AA, Rajasthan shall be forwarded to the DoE, Rajasthan and Rajasthan State Pollution Control Board.	Complied
4	In case of any change(s) in the scope of the project, the PP requires a fresh appraisal by SEIAA/SEAC, Rajasthan.	Noted
5	The SEIAA/SEAC, Rajasthan reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environmental clearance under the provisions of the Environment (Protection) Act-1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Its board's jurisdiction.
6	All the other statutory clearances such as the approvals for storage of diesel from the Chief Controller of Explosives, Fire department, Civil Aviation Department, Forest Conservation Act, 1980 and-Wildlife (protection) Act, 1972 etc. shall be obtained, as may be applicable, by PP from the competent authority.	Its board's jurisdiction.
7	The PP shall ensure advertising in at least two local newspapers widely circulated in the region, one of which shall be in vernacular language that, the project has been accorded environmental clearance and copies of the clearance letters are	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 newspapers namely Rajasthan Patrika & Dainik Bhaskar dated on 26/11/2017 & 27/11/2017 and a copy of the same have been submitted to the SEIAA, Rajasthan and Regional Office, Jaipur(S) of the Board.

	available with SEIAA, Rajasthan and the Rajasthan State Pollution Control Board and may also be seen on the website of the Board at www.rpcb.nic.in . The advertisement shall be made within 7(seven) days from the date of issue of the environmental clearance and a copy shall also be forwarded to the SEIAA, Rajasthan and Regional Office, Jaipur(S) of the Board.	
8	These stipulations would also be enforced amongst the others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and, EIA Notification' 06.	Its board's jurisdiction.
9	Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the proponents if it is found that construction of the project had been started without obtaining environmental clearance.	Noted
10	The Environmental Clearance is subject to the specific condition that the PP shall obtain prior clearance from forestry and wild life angle including clearance from Standing Committee of the National Board Wild Life if applicable. It is further categorically stated that grant of EC does not imply that forestry and wild life clearance shall be granted to the project and that their proposals for forestry-and wild life clearance will be considered by the respective authorities on their merits and Decision taken. The investment made in the project, if any, based on environment clearance so granted, in anticipation of the clearance from forestry and wildlife angle shall be entirely at the cost and risk of the project proponent and Authority or Ministry of Environment & Forests shall not be responsible in this regard in any manner	Its board's jurisdiction.



Head Office (CPM)

Rajasthan State Pollution Control Board
4, Institutional Area, Jhalana Doongari, Jaipur-302 004
Phone: 0141-5159600,5159695 Fax: 0141-5159697



Registered

File No : G(CPM)/1000/3944(1)/2017-2018/9381-9383

Order No : 2017-2018/CPM/5077

Date: 07/02/2018

Unit Id : 81977

M/s Bangur Cement Unit-A Unit of Shree Cement Ltd.

Shree Cement Ltd,Bangur Nagar,Post Box33,Beawar305901 ,

Tehsil:Beawar

District:Ajmer

Sub: Consent to Operate under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21(4) of Air (Prevention & Control of Pollution) Act, 1981.

Ref: Your application for Consent to Operate dated 21/12/2017 and subsequent correspondence.

Sir,

Consent to Operate under the provisions of section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 (hereinafter to be referred as the Water Act) and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981, (hereinafter to be referred as the Air Act) as amended to date and rules & the orders issued thereunder **is hereby granted** for your **Cement plant** situated at **Village-Udaipur- Udasar Tehsil:Suratgarh District:Shri Ganganagar** , Rajasthan, subject to the following conditions:-

- 1 That this Consent to Operate is valid for a period from **01/02/2018** to **31/01/2023** .
- 2 That this Consent is granted for manufacturing / producing following products / by products or carrying out the following activities or operation/processes or providing following services with capacities given below.

Particular	Type	Quantity with Unit
CEMENT (CLINKER GRINDING ONLY)	Product	4.50 MILLION TONES PER ANNUM
Hot Air Generator	Product	20,000,000.00 KCAL/HR

- 3 That this consent to operate is for existing plant, process & capacity and separate consent to establish/operate is required to be taken for any addition / modification / alteration in process or change in capacity or change in fuel.
- 4 That the quantity of effluent generation along with mode of disposal for the treated effluent shall be as under:



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Type of effluent	Max. effluent generation (KLD)	Recycled Qty of Effluent (KLD)	Disposed Qty of effluent (KLD) and mode of disposal
Domestic Sewage	10.000	NIL	10.000 To be treated in STP and to be used in plantation and horticulture

- 5 That the sources of air emissions along with pollution control measures and the emission standards for the prescribed parameters shall be as under:

Sources of Air Emissions	Pollution Control Measures	Prescribed	
		Parameter	Standard
Cement mill (VRM)	ADEQUATE STACK HEIGHT , Bag House	Particulate Matter	30 mg/NM3
D.G set(250KVA)	ACOUSTIC ENCLOSURE , SAFE STACK HEIGHT AS PER ER IV	--	--

- 6 That the **Cement plant** will comply with the standards as prescribed vide MOEF notification No. GSR 826(E) dated 16th November, 2009 with respect to National Ambient Air Quality Standards.
- 7 That the domestic sewage shall be treated before disposal so as to conform to the standards prescribed under the Environment (Protection) Act-1986 for disposal **Into Inland Surface Water**. The main parameters for regular monitoring shall be as under.



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Parameters	Standards
Total Suspended Solids	Not to exceed 100 mg/l
pH Value	Between 5.5 to 9.0
Oil and Grease	Not to exceed 10 mg/l
Total Residual Chlorine	Not to exceed 1.0 mg/l
Ammonical Nitrogen (as N)	Not to exceed 50 mg/l
Biochemical Oxygen Demand (3 days at 27°C)	Not to exceed 30 mg/l
Chemical Oxygen Demand	Not to exceed 250 mg/l

- 8 That this consent to operate is valid for the production of cement upto 4.5 MTPA by clinker grinding only at Khasra no. 202/109, 255/109, 183/109,184/110 and 109 & 112(13.408 Hect), village- Udaipur- Udasar, Tehsil-Suratgarh, District-Sriganganagar converted by District Collector, Sriganganagar for industrial purpose.
- 9 That industry shall not produce clinker without prior consent from the State Board and same shall be procured from outside sources.
- 10 That the total capital investment as on 20/12/2017 as per the C. A certificate submitted by the unit is Rs 371.08 crores which includes the cost of land,building,plant & machinery and miscellaneous assets.
- 11 That all the conditions imposed by SEIAA, Rajasthan in the environmental clearance granted vide letter no. F1(4)SEIAA/SEAC-Raj/Sectt/Project/Cat.7(d)B1(15230)/16-17 dated 22/11/2017 shall be strictly complied.
- 12 That no fuel other than coal/HSD shall be used without prior permission from the State Board.
- 13 That all the recommendations made in the Charter of Corporate Responsibility for Environment Protection for Cement Plants shall be implemented.
- 14 That for the control of fugitive emission guidelines / code of practice as issued by CPCB will be followed.
- 15 That the unit shall maintain online continuous monitoring system at stack attached to cement mill to monitor the emission level of particulate matter(PM) and connectivity of the same shall be ensured with RPCB/CPCB server whenever plant is operated.



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Date: 07/02/2018

Unit Id : 81977

- 16 That the industry shall maintain stack of adequate height and adequate air pollution control measures at all the sources of air emissions so as to achieve the prescribed emission standards.
- 17 That adequate infrastructure facility for stack emission monitoring shall be provided and maintained at the stack attached to the cement mill etc.
- 18 That no additional source of air emission shall be installed without prior consent from the State Board.
- 19 That closed conveyor belts shall be provided and maintained for the transfer of material to minimize the fugitive emissions.
- 20 That the industry shall provide and maintain dust collection and extraction system to control fugitive dust emissions at all the transfer points and loading/unloading areas.
- 21 That all the raw materials and products shall be stored in closed covered shed.
- 22 That cemented roads shall be provided and maintained inside the premises to minimize the fugitive emissions due to vehicular movements.
- 23 That arrangements for water sprinkling and cleaning of roads by vacuum cleaner shall be ensured to control the fugitive emissions generated due to vehicular movement
- 24 That the recommendations of the policy briefs related to human health risk due to cement dust exposures shall be complied.
- 25 That the power supply to the production/process shall be interlocked with the pollution control equipment so that in the event of non- functioning of the pollution equipment/or increase in levels of pollutants, the production process stops automatically.
- 26 That separate energy meter & hour meter shall be provided at all the air pollution control measures & ETP/STP and daily record of running hours of pollution control measures and energy consumption shall be maintained in log book separately.
- 27 The industry shall comply with the MoEF, Government of India, Notification dated 14th September 1999 with till the date amendments relating to fly ash management and shall provide relevant details to the State Board, MoEF, Government of India.
- 28 That industry shall provide and maintain ambient air quality monitoring stations in all directions for monitoring of gaseous emissions and particulate matter in the ambient air and records of the same shall be submitted on quarterly basis to the State Board.
- 29 That total fresh water consumption shall not exceed to 200 KLD(Process-185 KLD and Domestic use-15.00 KLD) which shall be sourced from ground water.
- 30 That the industry shall submit copy of NOC from CGWA for the abstraction of ground water to the tune of 200 KLD within 4 months of issuance of this consent.



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Date: 07/02/2018

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- 31 That water meter shall be maintained at all suitable points to measure the quantity of daily ground water abstracted and consumed for different purposes/uses and record of the same shall be maintained on daily basis separately.
- 32 That domestic waste water generated from the entire plant premises (10 KLD) shall be treated through sewage treatment plant(STP) of 25.00 KLD capacity upto the standards mentioned at condition no. 7 and the same shall be used for plantation/ horticulture within the plant premises.
- 33 That suitable flow measuring devices/ meters at inlet and outlet of STP shall be maintained and record of waste water generation, its treatment and utilization shall be maintained on daily basis.
- 34 That no trade effluent and domestic waste water will be discharged inside or outside the factory premises in to a stream or well or sewer or on land.
- 35 That the industry shall comply with the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and record of daily hazardous waste generation and its disposal shall be maintained.
- 36 That the industry shall carryout effluent sampling/stack monitoring/ambient air quality monitoring and submit quarterly analysis report from the State Board laboratory/ laboratory recognized by Ministry of Environment & Forests (MoE&F), Government of India.
- 37 That suitable measure for rain water harvesting for artificial recharge of ground water shall be taken.
- 38 That the plantation in atleast 33% of total area of the project in and around the cement plant shall be carried out & maintained.
- 39 That the industry shall also ensure the compliance of all the conditions of consent order no. 2017-2018/CPM/5021 dated 18/12/2017.
- 40 That the industry shall submit the quarterly compliance report of all the above conditions to the State Board.
- 41 That, not withstanding anything provided hereinabove, the State Board shall have power and reserves its right, as contained under section 27(2) of the Water Act and under section 21(6) of the Air Act to review anyone or all the conditions imposed here in above and to make such variation as it deemed fit for the purpose of Air Act & Water Act.
- 42 That the grant of this **Consent to Operate** is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility to comply with the conditions laid down in all other laws for the time-being in force, rests with the industry/ unit/ project proponent.



Head Office (CPM)

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Order No : 2017-2018/CPM/5077

Date: 07/02/2018

Unit Id : 81977

43 That the grant of this **Consent to Operate** shall not, in any way, adversely affect or jeopardize the legal proceeding, if any, instituted in the past or that could be instituted against you by the State Board for violation of the provisions of the Act or the Rules made thereunder.

This **Consent to Operate** shall also be subject, besides the aforesaid specific conditions, to the general conditions given in the enclosed Annexure. The project proponent will comply with the provisions of the **Water Act and Air Act** and to such other conditions as may, from time to time , be specified, by the State Board under the provisions of the aforesaid Act(s). Please note that, non compliance of any of the above stated conditions would tantamount to revocation of **Consent to Operate** and project proponent / occupier shall be liable for legal action under the relevant provisions of the said Act(s).

This bears the approval of the competent authority.

Yours Sincerely

Group Incharge[CPM]

Copy To:-

- 1 Regional Officer, Regional Office, Rajasthan State Pollution Control Board, Bikaner to ensure the compliance.
- 2 Master File.

Group Incharge[CPM]

Regional Director



File No: - 21-4/1524/RJ/IND/2017 - 1549

NOC No: - CGWA/NOC/IND/ORIG/2018/3853

भारत सरकार
केन्द्रीय भूमि जल प्राधिकरण
जल संसाधन, नदी विकास
और गंगा संरक्षण मंत्रालय

Government of India
Central Ground Water Authority
Ministry of Water Resources,
River Development & Ganga Rejuvenation

Date:- 30 JUL 2018

To

✓ M/s Bangur Cement Unit
(A Unit of Shree Cement Ltd.)
Bangur Nagar, Post Box No. 33, Beawar
Block Masooda, District Ajmer, Rajasthan – 305901

Sub: - NOC for ground water withdrawal to M/s Bangur Cement Unit (A Unit of Shree Cement Ltd.) in respect of their proposed Cement Industry unit located at Villages Rohi, Udaipur, Udasar, Block Suratgarh, District Ganganagar, Rajasthan – reg.

Refer to your application for grant of NOC for ground water withdrawal dated 28/04/2017. Based on recommendations of Regional Director, Central Ground Water Board, Western Region, Jaipur vide their recommendations dated 05/06/2018 and further deliberations on the subject, the NOC of Central Ground Water Authority is hereby accorded to **M/s Bangur Cement Unit (A Unit of Shree Cement Ltd.) in respect of their proposed Cement Industry unit located at Villages Rohi, Udaipur, Udasar, Block Suratgarh, District Ganganagar, Rajasthan.** The NOC is valid from 18/07/2018 to 17/07/2020 and is subject to the following conditions:-

1. The firm may abstract **200 cu.m/day** (and not exceeding **69,300 cu.m/year**) of ground water through two (2) proposed tube wells only. No additional ground water abstraction structures shall be constructed for this purpose without prior approval of the CGWA.
2. Both the wells shall be fitted with digital water meter by the firm at its own cost and monthly ground water abstraction data of each well shall be recorded in a log book. Compliance to this condition shall be reported within one month from the date of issue of this letter.
3. **M/s Bangur Cement Unit (A Unit of Shree Cement Ltd.)**, in consultation with the Regional Director, Central Ground Water Board, Western Region, Jaipur shall implement ground water recharge measures atleast to the tune of **37,010 cu.m/year** as proposed, for augmenting the ground water resources of the area within six months from the date of issue of this letter. Firm shall also undertake periodic maintenance of recharge structures at its own cost.
4. The photographs of the recharge structures after completion of construction of the same shall be furnished immediately to the Regional Director, Central Ground Water Board, Western Region, Jaipur for verification under intimation to this office.
5. The firm, at its own cost, shall construct one (1) observation well (piezometer) at suitable location and install digital water level recorder for monthly ground water level

18/11, Jamnagar House, Mansingh Road, New Delhi-110011

Phone : (011) 23383561 Fax : 23382051, 23386743

Website: www.cgwa.noc.gov.in

स्वच्छ सुरक्षित जल - सुन्दर खुशहाल कल

CONSERVE WATER - SAVE LIFE

monitoring in consultation with the Regional Director, Central Ground Water Board, Western Region, Jaipur.

6. The ground water quality shall be monitored once in a year during pre- monsoon period.

7. The ground water monitoring data in respect of S. No. 2, 5 & 6 shall be submitted to the Regional Director, Central Ground Water Board, Western Region, Jaipur on regular basis at least once in a year.

8. The firm shall ensure proper recycling and reuse of waste water after adequate treatment.

9. Action taken report in respect of S. No. 1 to 8 shall be submitted to CGWA within one year period.

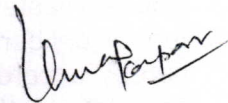
10. This NOC is liable to be cancelled in case of non-compliance of any of the conditions as mentioned in S. No. 1 to 9.

11. This NOC is subject to prevailing Central/State Government rules/laws or Court orders related to construction of tubewell/ground water withdrawal/construction of recharge or conservation structure/discharge of effluents or any such matter as applicable.

12. The firm shall report self compliance online in the website (www.cgwa-noc.gov.in) within one year from the date of issue of this NOC.

13. This NOC does not absolve the applicant / proponent of this obligation / requirement to obtain other statutory and administrative clearances from other statutory and administrative authorities.

14. The NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and be taking decisions independently of the NOC.



Regional Director

Copy to:

1. The Member Secretary, Rajasthan State Pollution Control Board, 4, Institutional Area, Jhalana Doongri, Jaipur, Rajasthan - 302004 **with a request to ensure that the conditions mentioned in the NOC are complied by the firm in consultation with the District Collector, District Ganganagar, Rajasthan.**
2. The District Collector, District Ganganagar, Rajasthan for necessary action.
3. The Regional Director, Central Ground Water Board Western Region, Jaipur. This has reference to your recommendation dated 05/06/2018.
4. Guard File 2018-19.



Regional Director

Ambient Air Quality at Plant Boundary (in $\mu\text{g}/\text{m}^3$)												
Location Month	Plant Main Gate				Plant boundary behind CCR building				Plant boundary near logistic building			
	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
Oct,18	56	36	13	18	60	30	14	22	59	34	12	20
Nov,18	62	32	11	21	58	39	13	17	54	31	10	19
Dec,18	58	38	10	17	57	32	15	23	61	33	13	21
Jan,19	61	37	10	15	60	39	12	19	64	40	12	21
Feb,19	57	41	12	16	58	38	14	15	65	39	15	23
Mar,19	60	35	11	17	49	32	10	16	63	41	11	19

Noise level at Plant boundary (in dB (A))						
Location Month	Plant Main Gate		Plant boundary behind CCR building		Plant boundary near logistic building	
	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
Oct,18	61.2	45.8	56.5	46.4	57.3	46.1
Nov,18	60.8	46.2	57.3	48.7	58.9	47.8
Dec,18	59.2	44.9	58.1	49.1	55.5	50.1
Jan,19	57.4	43.9	61.2	48.8	58.4	47.1
Feb,19	60.2	48.5	57.4	45.9	63.1	46.3
Mar,19	58.9	46.1	55.7	47.5	62.4	49.1



Head Office (CPM)

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Registered

File No : G(CPM)/1000/3944(1)/2017-2018/7811-7813

Order No: 2017-2018/CPM/5021

Unit Id : 81977

Dispatch Date: 18/12/2017

M/s Bangur Cement Unit-A Unit of Shree Cement Ltd.

Shree Cement Ltd., Bangur Nagar, Post
Box.33, Beawar 305901, Rajasthan, India,
Andheri Deori

Sub: **Consent to Establish** under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21(4) of Air (Prevention & Control of Pollution) Act, 1981.

Ref: Your application(s) for Consent to Establish dated 29/11/2017 and subsequent correspondence.

Sir,

Consent to Establish under the provisions of section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 (hereinafter to be referred as the Water Act) and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981, (hereinafter to be referred as the Air Act) as amended to date and rules & the orders issued thereunder, **is hereby granted** for your **Cement plant** situated / proposed at **Village-Udaipur- Udasar Tehsil:Suratgarh District:Shri Ganganagar**, Rajasthan under the provisions of the said Act(s). This consent is granted on the basis of examination of the information furnished by you in consent application(s) and the documents submitted therewith, subject to the following conditions:-

- 1 That this Consent to Establish is valid for a period from **29/11/2017 to 31/10/2022 or date of Commencement of production / commissioning of the project or activities whichever is earlier**.
- 2 That this Consent is granted for manufacturing / producing following products / by products or carrying out the following activities or operation/processes or providing following services with capacities given below.

Particular	Type	Quantity / Capacity
Cement (Clinker grinding)	Product	4.50 MILLION TONES PER ANNUM
Hot Air Generator	Service	20,000,000.00 KCAL/HR

- 3 That in case of any increase in capacity or addition / modification / alteration or change in product mix or process or raw material or fuel the project proponent is required to obtain fresh consent to establish.



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Order No: 2017-2018/CPM/5021

Dispatch Date: 18/12/2017

Unit Id : 81977

- 4 That the control equipment as proposed by the applicant shall be installed before trial operation is started for which prior consent to operate under the provision of the **Water Act and Air Act** shall be obtained. This consent to establish shall not be treated as consent to operate.
- 5 That the quantity of effluent generation and disposal along with mode of disposal for the treated effluent shall be as under:

Type of effluent	Max. effluent generation (KLD)	Quantity of effluent to be recycled (KLD)	Quantity of treated effluent to be disposed (KLD) and mode of disposal
Domestic Sewage	10.000	NIL	10.000 To be treated in STP and to be used in plantation and horticulture

- 6 That the sources of air emissions along with pollution control measures and the emission standards for the prescribed parameters shall be as under:

Sources of Air Emissions	Pollution Control Measures	Prescribed	
		Parameter	Standard
Cement mill (VRM)	ADEQUATE STACK HEIGHT , Bag House	Particulate Matter	30 mg/NM3
Three D.G Sets (2 x 500 kVA + 1 x 250 KVA)(1250KVA)	ACOUSTIC ENCLOSURE , SAFE STACK HEIGHT AS PER ER IV	--	--

- 7 That the **Cement plant** will comply with the standards as prescribed vide MOEF notification No. GSR 826(E) dated 16th November, 2009 with respect to National Ambient Air Quality Standards.



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Unit Id : 81977

- 8 That the domestic sewage shall be treated before disposal so as to conform to the standards prescribed by the Board as notified under the Environment (Protection) Act-1986 for disposal **Into Inland Surface Water**. The main parameters for regular monitoring shall be as under.

Parameters	Standards
Total Suspended Solids	Not to exceed 100 mg/l
pH Value	Between 5.5 to 9.0
Oil and Grease	Not to exceed 10 mg/l
Ammonical Nitrogen (as N)	Not to exceed 50 mg/l
Biochemical Oxygen Demand (3 days at 27°C)	Not to exceed 30 mg/l
Chemical Oxygen Demand	Not to exceed 250 mg/l

- 9 That this consent to establish is being issued for the establishment of clinker grinding plant for production of cement upto 4.5 MTPA from clinker procured from outside at Khasra no. 202/109, 255/109, 183/109, 184/110 and 109 & 112 (13.408 Hect), village- Udaipur- Udasar, Tehsil-suratgarh, District- Sriganganagar duly converted by District Collector, Sriganganagar for industrial purpose.
- 10 That the total proposed capital investment as per the C. A certificate submitted by the unit is Rs.278.45 crores which includes the cost of land, building, plant & machinery and miscellaneous assets.
- 11 That all the conditions imposed by SEIAA, Rajasthan in the environmental clearance granted vide letter no. F1(4)SEIAA/SEAC-Raj/Sectt/Project/Cat.7(d)B1(15230)/16-17 dated 22/11/2017 shall be strictly complied.
- 12 That no fuel other than coal/HSD shall be used without prior permission from the State Board.
- 13 That all the recommendations made in the Charter of Corporate Responsibility for Environment Protection for Cement Plants shall be implemented.
- 14 That for the control of fugitive emission guidelines / code of practice as issued by CPCB will be followed.



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Order No: 2017-2018/CPM/5021

Dispatch Date: 18/12/2017

Unit Id : 81977

- 15 That the unit shall provide online continuous monitoring system at stack attached to cement mill to monitor the emission level of particulate matter(PM), SO₂ & NO_x(as applicable) alongwith for effluents and the same shall be connected with RPCB/CPCB server.
- 16 That the industry shall provide stack of adequate height and adequate air pollution control measures at all the sources of air emissions so as to achieve the prescribed emission standards.
- 17 That adequate infrastructure facility for stack emission monitoring shall be provided at the stack attached to the cement mill etc.
- 18 That no additional source of air emission shall be installed without prior consent from the State Board.
- 19 That closed conveyor belts shall be provided for the transfer of material to minimize the fugitive emissions.
- 20 That the industry shall provide dust collection and extraction system to control fugitive dust emissions at all the transfer points and loading/unloading areas.
- 21 That all the raw materials and products shall be stored in closed covered shed.
- 22 That cemented roads shall be provided inside the premises to minimize the fugitive emissions due to vehicular movements.
- 23 That arrangements for water sprinkling and cleaning of roads by vacuum cleaner shall be made to control the fugitive emissions generated due to vehicular movement.
- 24 That the recommendations of the policy briefs related to human health risk due to cement dust exposures shall be complied.
- 25 That the power supply to the production/process shall be interlocked with the pollution control equipment so that in the event of non- functioning of the pollution equipment/or increase in levels of pollutants, the production process stops automatically.
- 26 That separate energy meter & hour meter shall be provided at all the air pollution control measures & ETP/STP and daily record of running hours of pollution control measures and energy consumption shall be maintained in log book separately.
- 27 The industry shall comply with the MoEF, Government of India, Notification dated 14th September 1999 with till the date amendments relating to fly ash management and shall provide relevant details to the State Board, MoEF, Government of India.
- 28 That industry shall provide ambient air quality monitoring stations in all directions for monitoring of gaseous emissions and particulate matter in the ambient air and records of the same shall be submitted on quarterly basis to the State Board.



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Dispatch Date: 18/12/2017

Unit Id : 81977

- 29 That total fresh water consumption shall not exceed to 200 KLD(Process-185 KLD and Domestic use-15.00 KLD) which shall be sourced from ground water.
- 30 That the industry shall submit copy of NOC from CGWA for the abstraction of ground water to the tune of 200 KLD within 6 months of issuance of this consent.
- 31 That water meter shall be provided at all suitable points to measure the quantity of daily ground water abstracted and consumption for different purposes/uses and record of the same shall be maintained on daily basis separately.
- 32 That domestic waste water generated from the entire plant premises (10 KLD) shall be treated through sewage treatment plant(STP) of 25.00 KLD capacity proposed in the plant premises upto the standards mentioned at condition no. 7 and the same shall be used for plantation/ horticulture within the plant premises.
- 33 That suitable flow measuring devices/ meters at inlet and outlet of STP shall be installed. Daily record of waste water generation, its treatment and utilization shall be maintained.
- 34 That no trade effluent and domestic waste water will be discharged inside or outside the factory premises in to a stream or well or sewer or on land.
- 35 That the industry shall comply with the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and record of daily hazardous waste generation and its disposal shall be maintained.
- 36 That the industry shall carryout effluent sampling/stack monitoring/ambient air quality monitoring and submit quarterly analysis report from the State Board laboratory/ laboratory recognized by Ministry of Environment & Forests (MoE&F), Government of India.
- 37 That suitable measure for rain water harvesting for artificial recharge of ground water shall be taken.
- 38 That the plantation in atleast 33% of total area of the project in and around the cement plant shall be carried out & maintained.
- 39 That, not withstanding anything provided hereinabove, the State Board shall have power and reserves its right, as contained under section 27(2) of the Water Act and under section 21(6) of the Air Act to review anyone or all the conditions imposed here in above and to make such variation as it deemed fit for the purpose of compliance of the Water Act and Air Act.
- 40 That the grant of this **Consent to Establish** is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the industry/ unit/ project proponent.



Head Office (CPM)

Rajasthan State Pollution Control Board
4, Institutional Area, Jhalana Doongari, Jaipur-302

Phone: 0141-5159600, 5159695 Fax: 0141-5159697

Registered

File No : G(CPM)/1000/3944(1)/2017-2018/7811-7813

Order No: 2017-2018/CPM/5021

Dispatch Date: 18/12/2017

Unit Id : 81977

41 That the grant of this **Consent to Establish** shall not, in any way, adversely affect or jeopardize the legal proceedings, if any, instituted in the past or that could be instituted against you by the State Board for violation of the provisions of the Act or the Rules made thereunder.

This **Consent to Establish** shall also be subject, beside the aforesaid specific conditions, to the general conditions given in the enclosed Annexure. The project proponent will comply with the provisions of the **Water Act and Air Act** and to such other conditions as may, from time to time, be specified by the State Board under the provisions of the aforesaid Act(s). Please note that, non compliance of any of the above stated conditions would tantamount to revocation of **Consent to Establish** and project proponent / occupier shall be liable for legal action under the the relevant provisions of the said Act(s).

This bears the approval of the competent authority.

Yours Sincerely

Group Incharge[CPM]

Copy To:-

- 1 Regional Officer, Regional Office, Rajasthan State Pollution Control Board, Bikaner.
- 2 Master File.

Group Incharge[CPM]

General Conditions related to both Air & Water Acts

1. That to achieve the prescribed standards of the consent order, adequate arrangement for pollution control shall have to be provided, maintained and operated all the time whenever the process/plant is in operation.
2. The power supply to all the pollution control measure/system shall be measured by separate power meters and separate log book shall be maintained for recording running hours of PCM, consumption of power, chemicals, every eight hours. The log books/records are to be shown to the officials of the Board during inspection or as and when asked for.
3. That the occupier shall make appropriate arrangement for interlocking the pollution control devices with D.G. set so that in the event of power failure the pollution control arrangements may remain in operation while the plant is being operated on the D.G.
4. That the power supply to the production/process shall be so interlocked with the pollution control equipments that in the event of none functioning of the pollution control equipment, the production process stops automatically.
5. That the industry shall submit compliance of the consent conditions along with analysis reports of the stack emissions/ambient air quality. The compliance report along with analysis report of the samples will be submitted to the Head Office of the Board at Jaipur and also concerned Regional Office of the Board office soon after it is carried out. For this, the paid sampling & analysis facilities with the Board can be availed. The frequency of compliance reporting for various types of units will be as under:

Sr. No.	Type of Industry	Compliance Reporting schedule by the industry
1	17 highly polluting industries (large & medium scale)	Once in 6 months
2	17 highly polluting industries (small Scale) and 17 highly polluting industries (other than 17 categories)	Once in 12 months
3	Small scale industries (small Scale)	Once in 18 months
4	Orange category industries (large & medium scale)	Once in 24 months
5	Orange category (small scale) and all the Other Category units.	Once in 36 months

6. That the industry shall comply with the provisions of Hazardous Waste (Management & Handling) Rules, 1989 and Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Battery Rules (Management & Handling) Rules 2001, amended to date as notified under Environment (Protection) Act-1986(if applicable).
7. That the management shall obtain and maintain valid insurance policy coverage under Public Liability Insurance Act (PLIA) and submit its copy to the Board every year (if applicable).
8. That Occupier shall ensure compliance of recommendations of Corporate Responsibility for Environment Protection (CREP) issued by Central Pollution Control Board (CPCB) for certain specific kind of industries (if applicable).
9. That the Occupier shall submit Environmental Statement every year in the month of September for the period April to March of the previous financial year.
10. That the management shall maintain good house keeping in the plant.
11. In case of consent to operate for the proposed project or expansion, the industry shall inform to this office and also the concerned Regional Office about the installation/ arrangement made for control of pollution so as to conform to the prescribed norms at least 4 weeks in advance of commissioning of the processing plant so that the same could be inspected and verified for its adequacy.
12. That any incorrect information submitted in the consent application form and its enclosures shall make the industry liable for legal action under section 43 of Water Act section 38 of the Air Act
13. The consent, under no circumstances shall be constructed as conferment of any property or any interest of the applicant unit. It is only confined for the purpose of regulation of the provisions of Water Act and Air Act.
14. That this consent is valid subject to fulfillment of other statutory requirement in other Laws/Acts/Rules as applicable.
15. The Occupier shall make an application for renewal of consent to operate in the prescribed form in

triplicate along with the requisite consent fees and compliance reports at least 120 days before the expiry of consent to operate. It may be noted that no post-facto consent will be issued in case the industry fails to apply for renewal within the time prescribed as above.

16. That this consent to operate is for existing plant and process and separate consent to establish is required to be obtained for any addition/ modification/ alteration or change before taking any step for such a change, Further, this consent to operate shall in no case be treated Consent to Establish for further expansion, if any.
17. That the industry will submit compliance report of the aforesaid conditions quarterly to the Head Office as well as the concerned Regional Office of the Board. However, compliance of the conditions in which specific time scheduled has been prescribed has to be submitted as per the prescribed time scheduled.
18. That 33% of the total area of factory premises shall be covered by the tree plantations. This area under plantation will be calculated as per circular No. F.14 (40) RPCB/Plg/Policy/5804-5825 dated 15.7.2004 or

General Conditions related to Air Act only

1. That, height of the stacks attached to all the major sources/D.G. sets shall be provided and maintained as per the norms prescribed.
2. That you shall provide and maintain necessary infrastructure facilities for the monitoring of stack emissions and ambient air quality parameters in accordance with the prescribed guidelines & suggestion given by the officials of the Pollution Control Board from time to time.
3. That the occupier shall provide and maintain above ground recycling tanks of adequate capacity with proper lining to avoid spillage or overflow of scrubbing media on land. In order to check the corrosion of the drains, anti-corrosive lining should be provided. Also the industry shall have to maintain proper record of water consumption in scrubbing system, scrubbed liquor, recycling, treatment, sale etc.
4. In case of 17 category highly polluting units and large scale red category air polluting units like major Power Plants, Cement Plants, Smelters, Petroleum Refineries, Fertilizer Plants and Chemical Units, the occupier shall provide at least three ambient air quality stations at the periphery of the factory premises for monitoring of ambient air parameters. Location of these stations shall be decided in consultation with concerned Regional Officer. The results of monitoring shall be submitted to the State Board every three month.
5. That, the Occupier shall provide the proper extraction and control system for the fugitive emission from the various activities/process. These are to be maintained in good condition and operated properly so as to maintain clean and safe environment in and around the premises of the unit.
6. That for the diesel generator sets acoustic enclosure/acoustic treatment shall be provided to meet the prescribed norms w.r.t noise as per the Gazette Notification dated of the Ministry of Environment & Forests, Government of India 02.01.99. Noise from the diesel Generator Sets shall be controlled by providing an acoustic enclosure or by treating the room acoustically. The acoustic enclosure/acoustic treatment of room should be designed for minimum 25 dB (A) Insertion Loss or for meeting the ambient noise standards, whichever is on the higher. The measurement for Insertion Loss may be done at different points at 0.5 meter from the acoustic enclosure/room and then averaged. The Diesel Generator Sets should also be provided with proper exhausts muffler with Insertion Loss of minimum 25 dB (A).
7. In case of D.G. Set of capacity more than 0.8 MW, the air emission standards as prescribed under GSR 489 (E) dated 09.02.02 shall be complied with.
8. The stack height for the Diesel Generator Sets shall be as below:
$$\text{Height of Stack (in Meters)} = \text{Height of Building} + 0.2\sqrt{\text{(KVA of D G Set)}}$$
9. That the Occupier shall ensure that the noise from the operations in the unit does not exceed the prescribed ambient noise standards for the industrial area i.e. 75 dB (A)Leq during the day time and 70 dB(A)Leq. during the night. The day time is reckoned in between 6 am and 9 pm and the night time is reckoned between 9 pm and 5 am.

General Conditions related to Water Act only

1. Samples of treated effluent shall be collected as per the schedule prescribed in condition no 2 at the terminal manhole during normal production and shall be analyzed for all the parameters in respect of which limits have been fixed. Report of analysis shall be submitted to the Board regularly/or immediately after the analysis is completed. Methods of sampling and testing shall be as per 18:4733 and IS; 2433 or methods approved by Board as the case may be for domestic and industrial effluent.
2. The efforts shall be made to recycle maximum quantity of the treated waste water into the process and utilities and the remaining be utilized in plantation in the premises. For utilization of the treated waste water in plantation, a well designed sprinkling system should be installed maintained and operated. Adequate land depending upon the applicable hydraulic loading criteria shall be arranged and maintained under plantation. The criteria is as follows:

Hydraulic loading to be restricted depending on the nature of soil as stated below:- (subject to taking into account the nature of crop and its water requirement, climatic conditions and frequency of

Soil Texture Class	Dosage of settled sewage applied M3/Hectare/Day
Sandy	225 to 282
Sandy Loam	168 to 225
Loam	112 to 168
Clay Loam	56 to 112
Clayey	35 to 57

	Dosages of settled industrial waste applied M3/Hectare/Day	
Soil Texture Class	BOD up to 300 mg/l	BOD more than 300 mg/l but less than 500 mg/l
Sandy	180 to 226	90 to 113
Sandy Loam	134 to 180	67 to 90
Loam	90 to 134	45 to 67
Clay Loam	44 to 90	22 to 45
Clayey	28 to 44	14 to 22

3. A holding tank of at least 24 hours capacity shall be provided and maintained to store the waste water in case of failure of any part of treatment plant or non-functioning of treatment system.
4. That the domestic waste water generated from the industry shall be treated as per 15:2470 (Part-I & II) and shall be discharged into soak pit through septic tank. In case the industry is having its own housing colony having discharge more than 30 KLD, the industry should have Sewage treatment plant. The requirement of waste water treatment for hotels shall be according to specific circulars issued for hotels.
5. That the occupier shall provide and maintain above ground recycling/evaporation tanks of adequate capacity with proper lining to avoid spillage or overflow of scrubbing media on land. In order to check the corrosion of the drains, anti-corrosive lining should be provided. Also the industry shall have to maintain proper record of water consumption in scrubbing system, scrubbed liquor, recycling, treatment, sale etc.
6. In case of disposal of effluent through solar evaporation, industry is required to have solar evaporation pans for evaporation of the effluent at least one meter above the ground having proper lining to make

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Bangur Cement Unit (A Unit of Shree Cement Limited)
(Cement, 5.5 Million TPA) near Village-Rohi,
Udepur,-Udasar, Tehsil-Suratgarh, District-Sri Ganganagar, Rajasthan

STP Treated Water Quality

S. No	Parameters	Standards	Observed Value
1	Total Suspended Solids	Not to exceed 100 mg/l	32.0
2	pH Value	Between 5.5 to 9.0	7.32
3	Oil and Grease	Not to exceed 10 mg/l	<4.0
4	Ammoniacal Nitrogen (as N)	Not to exceed 50 mg/l	3.86
5	Biochemical Oxygen Demand (3 days at 27°C)	Not to exceed 30 mg/l	20.0
6	Sulphide (as S)	Not to exceed 2.0 mg/l	<1.0
7	Chemical Oxygen Demand	Not to exceed 250 mg/l	78.9
8	Total residual chlorine	Not to exceed 1.0 mg/l	<0.2