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SHREE CEMENT LTD.

(SURATGARH CEMENT GRINDING UNIT)

NEAR N.H. NO. 62, VILLAGE-UDASAR, P.O. SURATGARH-335804
TEHSIL-SURATGARH, DISTT. SRIGANGANAGAR (RAJ.) INDIA



SCL/Suratgarh/MOEF&CC/2020-2021/

CIN No.: L26943RJ1979PLC001935

To

Date-24.11.2020

The Addl. Principal Chief Conservator of Forest (C),
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 (April-2020 to Sept-2020) of the environment clearance letter of Clinker Grinding Unit (Cement, 2.0 Million TPA) at 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 half yearly compliance report (April-2020 to Sept-2020) Clinker Grinding Unit (Cement, 2.0 Million TPA) at Village Udepur, Tehsil Suratgarh, District Sri Ganganagar, Rajasthan.

This is for your kind information please

Thanking you
Yours faithfully,

For Shree Cement Limited

Arun Agarwal
(Arun Agarwal)
GM(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 : 0141-4241200, 4241204, Fax : 0141-4241219

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

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

SHREE 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 19.09.2008 & Project code=100-687-2008

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.	Obtained the following permissions: 1. We have applied for NOC renewal for ground water abstraction on 01.07.2019. The Receipt copy enclosed. 2. Consent to Operate from SPCB vide letter no. : F (Tech)/GANGANAGAR (SURATGARH)/1(1)/2008-2009/5576-5578 Dated 17/12/2018. (enclosed)
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 continuous online stack emission measurement of cement mill stack. The data are continuously transferred online at SPCB and CPCB servers. Emission level is well within limit i.e. 30 mg/Nm ³ . Ambient air quality and stack emissions level are measured on regular 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 all material transfer points & unloading points to control the fugitive emissions. The interlocking facility has been provided in the pollution control system with the cement mill.
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.	Three ambient air quality monitoring (AAQM) stations have been installed in consultation with the RSPCB Regional Officer, Bikaner. Monitoring of ambient air quality and stack emissions is being carried out regularly & reports are submitted to the RSPCB, quarterly and to the Ministry's Regional Office at Lucknow half-yearly. Monitoring results are attached as Annexure-2 :
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 equipment 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 250 m ³ /day. All the recommendations/conditions stipulated by SGWB/CGWA/concerned department shall be implemented. Efforts shall be made to	NOC from CGWA have been obtained for the withdrawal of ground water of 150 KLD water vide letter no 21-4 (322)/WR/CGWA/2009-2186 dated 06 Oct.2016 We have applied for NOC renewal for ground water abstraction on 01.07.2019. The Receipt copy enclosed.

	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.	Water consumption is within the 150 KLD. Waste water generated from office toilets & canteen is treated in STP and treated water (analysis report as annexure: 01) is used for plantation.
viii	'Permission' for the drawl of 250 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).	NOC from CGWA have been obtained for the withdrawal of ground water of 150 KLD water vide letter no 21-4 (322)/WR/CGWA/2009-2186 dated 06 Oct.2016. We have applied for NOC renewal for ground water abstraction on 01.07.2019. The Receipt copy enclosed.
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 / reproducers only.	Dust collected from dust collectors is recycled back in to the process. sed oil generated as Hazardous Waste from plant machineries is 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 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.	2 Nos. roof top rain water harvesting structures, One run off rain water harvesting structure (pond) and recharge well have been constructed near truck parking area. We don't have limestone mines as it is standalone clinker grinding unit.
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.	Out of total land 145350 meter ² , we have developed green belt in the area of around 40.1% of total area with 5545 nos. of trees & Shrubs.
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.	Complying with all the recommendations of Corporate Responsibility for Environment Protection (CREP)
GENERAL CONDITIONS		
i	The project authority shall adhere to the stipulations made by Rajasthan State Pollution Control Board (RSPCB) and State Government.	Complying with all the stipulations made by the Rajasthan State Pollution Control Board.
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.
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 below 30 mg/Nm ³ . Opacity monitor for continuous online particulate emissions monitoring has been installed. Stack emission is within the prescribed norms. Interlocking facility have been provided in pollution control equipment.
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 waste water generated from the process. Waste water generated from office toilets & canteen is treated in STP and treated water is used for plantation.

v	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>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> <p style="text-align: center;">Noise level at Plant boundary dB (A)</p> <table><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><tr><td>01.</td><td>Apr, 20</td><td>49.7</td><td>40.3</td><td>47.8</td><td>44.6</td><td>48.1</td><td>43.1</td></tr><tr><td>02.</td><td>May, 20</td><td>48.5</td><td>41.1</td><td>46.4</td><td>42.3</td><td>46.9</td><td>40.7</td></tr><tr><td>03.</td><td>Jun, 20</td><td>47.6</td><td>40.5</td><td>49.1</td><td>43.8</td><td>47.4</td><td>41.5</td></tr><tr><td>04.</td><td>Jul, 20</td><td>61.85</td><td>49.45</td><td>62.05</td><td>49.55</td><td>60.7</td><td>49.25</td></tr><tr><td>05.</td><td>Aug, 20</td><td>60.9</td><td>49.8</td><td>60.55</td><td>48.4</td><td>58.35</td><td>48.75</td></tr><tr><td>06</td><td>Sep, 20</td><td>63.45</td><td>53.8</td><td>62.25</td><td>54.1</td><td>61.95</td><td>55.32</td></tr></table>	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.	Apr, 20	49.7	40.3	47.8	44.6	48.1	43.1	02.	May, 20	48.5	41.1	46.4	42.3	46.9	40.7	03.	Jun, 20	47.6	40.5	49.1	43.8	47.4	41.5	04.	Jul, 20	61.85	49.45	62.05	49.55	60.7	49.25	05.	Aug, 20	60.9	49.8	60.55	48.4	58.35	48.75	06	Sep, 20	63.45	53.8	62.25	54.1	61.95	55.32
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vi	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>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	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.	2 Nos. roof top rain water harvesting structures, One run off rain water harvesting structure (pond) and recharge well have been constructed near truck parking area.																																																														
viii	The company shall undertake eco-development measures including community welfare measures in the project area.	Out of total land 145350 meter ² , we have developed green belt in the area of around 40.1% of total area with 5545 nos. of trees & Shrubs.																																																														
ix	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/ EMP.	Complying with all the environmental protection measures and safeguards recommended in the EIA/EMP.																																																														
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 2020-2021 is given below:-</p> <table><tr><th>S. No.</th><th>Particulate</th><th>April, 2020-Sep.2020 (Cost in Lac)</th></tr><tr><td>1</td><td>Dust Collectors Installation & maintenance</td><td>0.44</td></tr><tr><td>2</td><td>Horticulture & Water spray</td><td>0.65</td></tr><tr><td>3</td><td>Housekeeping, and Civil Work</td><td>5.77</td></tr><tr><td>4.</td><td>Environment Monitoring & Calibration</td><td>0.42</td></tr><tr><td></td><td>Total</td><td>7.28</td></tr></table>	S. No.	Particulate	April, 2020-Sep.2020 (Cost in Lac)	1	Dust Collectors Installation & maintenance	0.44	2	Horticulture & Water spray	0.65	3	Housekeeping, and Civil Work	5.77	4.	Environment Monitoring & Calibration	0.42		Total	7.28																																												
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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	<p>We extend our full co-operation to the Officers during site visit to monitor the stipulated conditions.</p> <p>Six monthly compliance report being submitted on the status</p>																																																														

	monitored data along with statistical interpretation shall be submitted to them regularly.	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.
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 newspapers 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&CC vide our letter dated 14/10/2008.



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 : F(Tech)/GANGANAGAR(SURATGARH)/1(1)/2008-2009/5576-5578

Order No : 2018-2019/CPM/5368

Date: 17/12/2018

Unit Id : 2266

M/s Shree Cement Ltd.

Bangur Nagar, Post Box No. 33, , 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 19/03/2018 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 **clinker grinding cement plant** situated at **village Udepur Tehsil:Suratgarh District:Shri Ganganagar**, Rajasthan, subject to the following conditions:-

- 1 That this Consent to Operate is valid for a period from **01/08/2018** to **31/07/2023**.
- 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	2.00 MILLION TONES PER ANNUM

- 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	20.000	NIL	20.000 To be treated in STP and to be used in plantation and horticulture
Trade Effluent	60.000	NIL	60.000 Dust Suppression

- 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	ADEQUATE AIR POLLUTION CONTROL MEASURES , Bag House	Particulate Matter	30 mg/NM3
D.G set(125KVA)	ACOUSTIC ENCLOSURE , ADEQUATE STACK HEIGHT	--	--

- 6 That the **clinker grinding 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 Environvent (Protection) Act-1986for 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
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
Nitrate (as NO ₃)	Not to exceed 50 mg/l

- 8 That this consent to operate is valid for the production of cement upto 2.0 Million tons per annum by clinker grinding only at vill--Udepur,Tehsil-Suratgarh, District-Shri Ganganagar.
- 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 per the C.A certificate submitted by the unit is Rs.167.30 crores which includes the cost of land, building, plant & machinery, miscellaneous assets and 3 nos of small size burners.
- 11 That all the conditions imposed by MOE&F, New Delhi in the environmental clearance granted vide letter no.F. No- J-11011/293/2008-IA-II(I) dated 19/09/2008 shall be strictly complied with.
- 12 That no fuel other than coal/HSD shall be used without prior permission from the State Board.
- 13 That the industry shall not use petcoke/furnace oil as fuel in compliance to the order dated 17/11/2017 of Hon'ble Supreme Court, wherein ban has been imposed on the use of petcoke and furnace oil in the State of Rajasthan.
- 14 That all the recommendations made in the Charter of Corporate Responsibility for Environment Protection for Cement Plants shall be implemented.
- 15 That for the control of fugitive emission guidelines / code of practice as issued by CPCB will be followed.
- 16 That the industry 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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- 17 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.
- 18 That safe & adequate infrastructure facility in accordance with emission regulation Part-III issued by the Central Pollution Control Board shall be maintained at the stack attached to the cement mill etc for stack emission monitoring.
- 19 That industry shall maintain accoustic enclosures & stack of adequate height with D.G set of 125 kVA capacity.
- 20 That no additional source of air emission shall be installed without prior consent from the State Board.
- 21 That closed conveyor belts shall be provided and maintained for the transfer of material to minimize the fugitive emissions.
- 22 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.
- 23 That all the raw materials and products shall be stored in closed covered shed
- 24 That cemented roads shall be provided and maintained inside the premises to minimize the fugitive emissions due to vehicular movements.
- 25 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.
- 26 That the recommendations of the policy briefs related to human health risk due to cement dust exposures shall be complied.
- 27 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.
- 28 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.
- 29 The industry shall comply with the MoEF, Government of India, Notification dated 14th September 1999 amended upto date relating to fly ash management and shall provide relevant details to the State Board, MoEF, Government of India.
- 30 That industry shall 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.



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- 31 That total fresh water consumption shall not exceed to 150 KLD(Cooling-50 KLD, Domestic use-25.00 KLD, Plantation-15.00 KLD & R.O reject-60 KLD)) which shall be sourced from ground water.
- 32 That the industry shall comply with all the conditions imposed in NOC issued by CGWA for the abstraction of ground water vide letter dated 06/10/2016 and get it renewed from time to time.
- 33 That ground water in excess to 150.00 KLD shall not be abstracted without prior permission from CGWA and the State Board.
- 34 That R.O reject(60.00 KLD) shall be used for dust suppression within the premises.
- 35 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.
- 36 That domestic waste water generated from the entire plant premises (20 KLD) shall be treated through sewage treatment plant(STP) of 35.00 KLD capacity upto the standards mentioned at condition no. 7 and the same shall be used for plantation/ horticulture within the plant premises.
- 37 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.
- 38 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.
- 39 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.
- 40 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.
- 41 That suitable measure for rain water harvesting for artificial recharge of ground water shall be taken.
- 42 That the plantation atleast in 33% of total area of the plant premises in and around the cement plant shall be carried out & maintained.
- 43 That the industry shall also ensure the compliance of all the conditions of consent order no.2015-2016/CPM/3347 dated 01/09/2015.
- 44 That the industry shall submit the quarterly compliance report of all the above conditions to the State Board.



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 : F(Tech)/GANGANAGAR(SURATGARH)/1(1)/2008-2009/5576-5578

Order No: 2018-2019/CPM/5368

Date: 17/12/2018

Unit Id : 2266

- 45 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**.
- 46 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.
- 47 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]

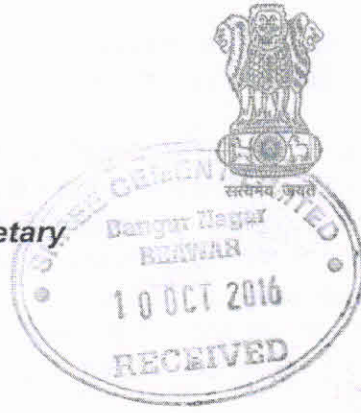
Copy To:-

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

Group Incharge[CPM]

18/10/16

Member Secretary



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

CGWA/IND/Proj/2016-186-R

No.21-4(322)/WR/CGWA/2009- 2186

Dated:-06 OCT 2016

M/s Shree Cement Ltd.,
Bangur Nagar, Post Box No. 33
Beawer-305901, Rajasthan

Sub:- Renewal of NOC for ground water withdrawal to M/s Shree Cement Ltd., for their existing clinker grinding unit located at Village Udepur, Block Suratgarh, District Sri Ganganagar, Rajasthan -reg.

Refer to application dated 17.03.2016 on the above cited subject. Based on recommendations of the Regional Director, CGWB, Western Region, Jaipur vide his office letter No. TS/21B(554)/CGWA/WR/2012-483 dated 23.05.2016, and further deliberations on the subject, the renewal of NOC issued vide this office letter of even no. dated 3.4.2014 is hereby accorded to **M/s Shree Cement Ltd., for their existing clinker grinding unit located at Village Udepur, Block Suratgarh, District Sri Ganganagar, Rajasthan.** The renewal is however subject to the following conditions:-

1. The firm may continue to abstract **150 m³/day of ground water (not exceeding 51,000 m³/year)** through existing two (2) tubewells only (**instead of earlier NOC for 250 m³/day**). No additional ground water abstraction structures to be constructed for this purpose without prior approval of the CGWA.
2. All the wells to remain fitted with water meter and monitoring of ground water extraction to be continued on regular basis, at least once in a month. The ground water quality to be monitored twice in a year during pre monsoon and post monsoon periods.
3. **M/s Shree Cement Ltd.,** shall, continue implementing ground water recharge measures to the tune of **28,825 m³/year** for augmenting the ground water resources in consultation with the Regional Director, Central Ground Water Board, Western Region, Jaipur. In addition, the firm shall adopt 2 to 3 nos. villages for Water Security Plan in District Sri Ganganagar, Rajasthan. The necessary guideline for the Water Security Plan is available on website of Ministry of Water Resources, RD & GR (www.mowr.gov.in). Both, the Demand Side Management /Supply Side Management with maintenance of structures in the said villages to be ensured and

West Block - 2, Wing - 3, Sector - 1, R.K. Puram, New Delhi - 110066

Tel : 011-26175362, 26175373, 26175379 • Fax : 011-26175369

Website : www.cgwa-noc.gov.in

स्वच्छ सुरक्षित जल - सुन्दर सुशहल कल

CONSERVE WATER - SAVE LIFE

a comprehensive plan to be submitted to Regional Director, CGWB, Western Region, Jaipur. Firm shall also undertake periodic maintenance of recharge structures at its own cost.

4. The firm shall continue to execute ground water regime monitoring programme in and around the project area through 5 to 6 piezometers fitted with automatic water level recorders having telemetry systems at suitable locations with telemetry systems on regular basis during each month of every year in consultation with the Central Ground Water Board, Western Region, Jaipur.
5. The ground water monitoring data in respect of S. No. 2 & 4 to be submitted to Central Ground Water Board, Western Region, Jaipur on regular basis at least once in a year.
6. The firm shall ensure proper recycling and reuse of waste water after adequate treatment.
7. Action taken report in respect of S.N o. 1 to 6 may be submitted to CGWA within one year period alongwith a comprehensive compliance report.
8. The renewal is liable to be cancelled in case of non-compliance of any of the conditions as mentioned in S. No. 1 to 7.
9. 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 structures/discharge of effluents or any such matter as applicable.
10. This NOC does not absolve the applicant / proponent of his obligation / requirement to obtain other statutory and administrative clearances from other statutory and administrative authorities.
11. 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
12. This renewal is valid for three years from date of issuance of this letter.


Member Secretary

Copy to:

1. The Member Secretary, Rajasthan Pollution Control Board, 4, Institutional Area, Jhalana Doongri, Jaipur, Rajasthan **with a request to ensure that the conditions mentioned in the NOC are complied by the firm.**
2. The District Collector, Shri Ganganagar District, Rajasthan
3. The Regional Director, Central Ground Water Board, Western Region, Jaipur. This has reference to your No. TS/21B(554)/CGWAWR/2012-483 dated 23.05.2016.
4. TS to the Chairman, CGWB, Bhujal Bhawan, NH-IV, Faridabad.
5. Guard File 2016-17.


Member Secretary

Government of India
Ministry of Jal Shakti
Department of Water Resources, River Development and Ganga Rejuvenation
Central Ground Water Authority (CGWA)
Application for Issue of NOC to Abstract Ground Water (NOCAP)

**Application for Renew of NOC Issued to Existing Industrial Projects Abstracting GroundWater
(Application For Renewal of NOC)**

Application Number : 21-4/322/RJ/IND/2009
Old Application Number : 21-4(322)/NWR/CGWA/2009
Applied For Renewal : 2nd

1. General Information:	
Water Quality:	Fresh Water
Application Type Category/ Type of Application:	Cement Industry
(i) Name of Industry:	M/S SHREE CEMENT LTD.
(ii) Location Details of the Industrial Unit- (Attach Site Plan and Certified Revenue Sketch) (\$)	
Address Line 1 :	M/S SHREE CEMENT LTD.
Address Line 2 :	
Address Line 3 :	
State:	RAJASTHAN
District:	GANGANAGAR
Sub-District:	SURATGARH
Village/Town:	Udaipur Udasar
Latitude:	
Logitude:	
Area Type :	Non-Notified
Area Type Category :	Safe
(iii) Communication Address	
Address Line 1:	SHREE CEMENT LTD
Address Line 2:	VILLAGE RAS
Address Line 3:	
State:	RAJASTHAN
District:	PALI
Sub-District:	JAITARAN
Pincode:	306101
Phone Number with Area Code:	
Mobile Number:	91-9116667498
Fax Number:	
E-Mail:	sclenv@shreecement.com
(v) Details of Existing NOC issued by CGWA (enclose copy)	
NOC Letter No:	CGWA/NOC/IND/REN/1/2016/0186
Date of Issuance:	06/10/2016
Vailidity (Start):	06/10/2016
Validity (End):	05/10/2019

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	Reason for not applying for renewal before expiry of NOC Validity (Attach Affidavit):	offline NOC was not associated with NOCAP portal. The offline application was submitted on 26/06/2019				
	(vi) Purpose of Renewal Application:	Existing Ground Water				
2. Details of Water Requirement (Fresh and Recycled Water Usage): (Please Enclose Water Flow Chart of Activities and Requirement of Water at each Stage) (\$)						
(i) Total Water Requirement (a+b+c+d) (m3/day)						
		Existing	Additional	Total		
Water Requirement Details (Fresh Water) (m3/day)						
	(a) Ground Water Requirement (m3/day):	150.00	0.00	150.00		
	(b) Surface Water Available (Canal, River, Ponds etc.) (m3/day):	0.00	0.00	0.00		
	(c) Water Supply from Any Agency (m3/day):	0.00	0.00	0.00		
	Total Fresh Water Requirement (a+b+c)(m3/day):	150.00	0.00	150.00		
	(d) Recycled Water Usage (m3/day):	18.00	0.00	18.00		
	Total Water Requirement : (a+b+c+d)(m3/day)	168.00	0.00	168.00		
(ii) Breakup of Water Requirement and Usage:						
	Activity	Existing Requirement (m3/day)	Additional Requirement (m3/day)	Total Requirement (m3/day)	No. of Operational Days in a Year	Annual Requirement (m3/year)
	Industrial Activity	110.00	0.00	110.00	340	37400.00
	Residential / Domestic	25.00	0.00	25.00	340	8500.00
	Greenbelt Development /Environment Maintenance	33.00	0.00	33.00	340	11220.00
	Other Use	0.00	0.00	0.00	340	0.00
	Grand Total	168.00	0.00	168.00		57120.00
(iii) Details of Water Availability from ETP / STP for Recycle / Resuse usage:						
		Existing		Additional		Total
		(m3/day)	No. Of Days	(m3/day)	No. Of Days	(m3/year)
	Effluent / Sewerage generated and treated in ETP / STP:	20.00	340	6800.00		6800.00
	Availability treated Effluent / Sewerage for usage:	18.00	340	6120.00		6120.00

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Effluent / Sewerage discharge after treatment:	0.00	0	0.00				0.00	0.00
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(iv) Availability treated effluent usage : Total quantity same as 2 i (d) and 2 ii (b) above

	Existing (m3/day)	Additional availability (m3/day)	Total Use + Availability (m3/day)
Industrial Activity / Commercial Use	0.00	0.00	0.00
Domestic / Residential Use	0.00	0.00	0.00
Greenbelt development / Environment maintenance	18.00	0.00	18.00
Other Use / Flushing Req.	0.00	0.00	0.00
Total	18.00	0.00	18.00

3. (a). Groundwater Abstraction Structure- Existing:

Number of Existing Structures:

2

SNo.	Type of Structure Name / Year of Construction	Depth (Meter) / Diameter (mm)	Depth to Water Level (Meters below Ground Level)	Discharge (m3/Hour)	Operational Hours (Day) / Days (Year)	Mode of Lift Name	Horse Power of Pump	Whether Fitted with Water Meter	Whether Permission Registered with CGWA / If so Details Thereof
1	Tubewell / 2009	60.00 / 200	22.00	10.00	15 / 340	Submersible Pump	10.00	Yes	Yes / CGWA letter no 21-4(322)WR/CGWA/2009-2186 dated 06/10/2016
2	Tubewell / 2009	60.00 / 200	22.00	10.00	- / -	Submersible Pump	10.00	Yes	Yes / CGWA letter no 21-4(322)WR/CGWA/2009-2186 dated 06/10/2016 Not in Use

(b). Groundwater Abstraction Structure- Additional:

Number of Additional Structures:

0

SNo.	Type of Structure Name / Year of Construction	Depth (Meter) / Diameter (mm)	Depth to Water Level (Meters below Ground Level)	Discharge (m3/Hour)	Operational Hours (Day) / Days (Year)	Mode of Lift Name	Horse Power of Pump	Whether fitted with Water Meter	Whether Permission Registered with CGWA / If so Details Thereof
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Government of India
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4. (a). Compliance to the Condition prescribed in the NOC			
SNo.	Conditions given in NOC	Compliance Conditions Applicable	Status of Compliance
1	Area Specific Plantation	Not Applicable	Local native plants species are selected for greenbelt development, photographs attached
2	Domestic Water School Sanitation	Not Applicable	
3	Groundwater quality monitoring - Pre monsoon and Post monsoon	Yes	Complied and ground water quality reports from Post Monsoon 2016 to pre- monsoon 2020 are attached.
4	Maintenance of recharge structures	Yes	complied and all the recharge structures are maintained by means of cleaning.
5	Number of Pizometers as per NOC and Water Level Record	Yes	Five nos. of Piezometer are monitored and Automatic water level records are attached
6	Number of Tubewells Borewales as per NOC	Yes	Two nos. of tube wells have been constructed and Photographs are attached.
7	Pizometer fitted with AWLRs with telemetry as per NOC	Yes	All Piezometers are fitted with AWLR, Photographs are attached
8	Quantum of Groundwater as per NOC	Yes	150 KLD (51,000 cum/year)
9	Recharge through ponds	Yes	Recharge quantity through pond is 15222 Cum/annum.
10	Recycle and reuse of water	Yes	Water balance chart is attached
11	RWH and AR structures implemented	Yes	One structure constructed, photographs attached.
12	Submission of Compliance report to the Region	Yes	Complying, yearly compliance submitted to Regional office.
13	Water conservation measures	Yes	Reusing STP treated water for green belt development purpose and environmental maintenance.
14	Water Security Plan of villages	Not Applicable	One pond is adopted in Ladana Sardarpur village
15	Well monitored around the plant premises	Yes	Three Piezowells are being monitored around plant premises, photographs attached
16	Wells fitted with water meter and its Record	Yes	Both tube wells are attached with water meter, ground water abstraction details attached.
(b). Compliance to the Condition prescribed in the NOC - Other			
SNo.	Conditions given in NOC	Status of Compliance	

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5.	Groundwater Availability (Please Enclose a Comprehensive Report / Note on Groundwater Condition / Groundwater Quality in and Around the Area) Applicable to Industries Consuming Greater Than 500 m3/day and / or having a Land Area of Greater Than 2 Ha.- (\$)
	NA
6.	Details of Rainwater Harvesting and Artificial Recharge Measures for Groundwater Recharge in the Area. If the Firm has Proposed to take up Rainwater Harvesting and Recharge outside the Industrial Unit Premises, then provide NOC from the Concern Authority / Agency where the Harvesting Measures are Proposed, if Already implemented, details may be furnished. (Attach Report on Comprehensive & Feasible Rainwater Harvesting / Recharge Proposal).- (\$)
	Rainwater Harvesting Report is attached

INDUSTRIAL USE- Self Declaration

☒ I hereby certify that the data and information furnished above are true to the best of my knowledge and belief and I am aware that if any part of the data / information submitted is found to be false or misleading at any stage, the application will be rejected outright.

I hereby declare that all the mandatory documents prescribed in the application form have been uploaded and no blank /irrelevant documents have been uploaded. I am also aware that any false/ wrong submission /uploading of document will lead to rejection of my application without any notice.

It is to certify that no case related to ground water withdrawal/ contamination is pending against the industry/ project/ unit as on date. Any such case filed against the company/ project/ unit in respect of ground water withdrawal/ contamination during the pendency of this application shall be immediately brought to the notice of CGWA.

I hereby undertake that in case any environmental compensation/ penalty is imposed on the firm by any statutory authority, I shall comply with the decision of such authority.

1. Application proforma is subject to modification from time to time.
2. Application is submitted online on website <http://cgwa-noc.gov.in> to following office.

Regional Director,Central Ground Water Board Western Region, 6-A, Jhalana Doongri, JAIPUR, RAJASTHAN, 302004

3. Incomplete application will be summarily rejected.

Scanned copy of last page of application with signature and seal should be attached at prescribed place before submission of application.

4. Receipt of Processing Fee of Rs. 500.00/- (Rupees Five Hundred Only) submitted through NON TAX RECEIPT PORTAL (<https://bharatkosh.gov.in>) should be attached along with hard copy of application.

Processing Fee:-

Bharat Kosh Transaction Ref. No:- 2606190001993

Bharat Kosh Transaction Date:- 26/06/2019

Note:- The Processing Fee is Non-Refundable. Applicant should ensure and Check Eligibility of Submission of Application and Required Documents before Submitting Online Application.

5. Hard copy of application required: No

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Attached Files:

1). Site Plan : (Refer: 1 (ii))

No Attachment Found!

2). Certified Revenue Sketch : (Refer: 1 (ii))

No Attachment Found!

3). Reason for Not Applying for Renewal before Expiring NOC : (Refer: 1 (v))

No Attachment Found!

4). Existing NOC : (Refer: 1 (vii))

S.No	Attachment Name	File Name
1	CGWA NOC	CGWA NOC.pdf

5). Enclose Flow Chart of Activity and Requirement of Water: (Refer: 2)

No Attachment Found!

6). Groundwater Availability Report : (Refer: 4)

No Attachment Found!

7). Details of Rainwater Harvesting / Artificial Recharge Measures : (Refer: 5)

S.No	Attachment Name	File Name
1	Rainwater Harvesting Report	Rainwater Harvesting Report.pdf
2	LADANA CATCHMENT	LADANA CATCHMENT.pdf

8). Authorization :

S.No	Attachment Name	File Name
1	Power of Attorney	Power of Attorney.pdf

9). Extra Attachment :

S.No	Attachment Name	File Name
1	Location map	Location map.pdf
2	Key Plan	Key Plan.pdf
3	Site Plan Showing Tubewells RWH and PW	Site Plan Showing Tubewells RWH and PW wells.pdf
4	Consent to operate	Consent to operate.pdf
5	SCL Location of PZ, TW, RWH Structure	SCL Location of PZ, TW, RWH Structure.pdf

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10). Compliance to the Condition prescribed in the NOC				
SNo.	Conditions given in NOC	Attachments		
		S.No.	Attachment Name	File Name
1	Area Specific Plantation	1	Photographs of Plantation	Photographs of Plantation.pdf
2	Domestic Water School Sanitation	No Attachment Found!		
3	Groundwater quality monitoring - Pre monsoon and Post monsoon	1	SCL GW Quality Reports of TW01 from 2016 to 17	SCL GW Quality Reports of TW01 from 2016 to 17.pdf
		2	SCL GW Quality Reports of TW01 from 2018 to 20	SCL GW Quality Reports of TW01 from 2018 to 20.pdf
		3	SCL GW Quality Reports of TW02 from 2016 to 17	SCL GW Quality Reports of TW02 from 2016 to 17.pdf
		4	SCL GW Quality Reports of TW02 from 2018 to 20	SCL GW Quality Reports of TW02 from 2018 to 20.pdf
4	Maintenance of recharge structures	1	Maintenance of Recharge Structure	Maintenance of Recharge Structure.pdf
5	Number of Pizometers as per NOC and Water Level Record	1	Water level from Oct 2016 to July 2020	Water level from Oct 2016 to July 2020.pdf
		2	Photographs of Piezowells	Photographs of Piezowells.pdf
6	Number of Tubewells Borewales as per NOC	1	Photographs of Tube wells	Photographs of Tube wells.pdf
		2	Ground Water Abstraction 150 KLD	Ground Water Abstraction 150 KLD.pdf
7	Pizometer fitted with AWLRs with telemetry as per NOC	1	Photographs of Piezowells fitted with AWLR	Photographs of Piezowells fitted with AWLR.pdf
8	Quantum of Groundwater as per NOC	1	Quantum of ground water as per NOC	Quantum of ground water as per NOC.pdf
9	Recharge through ponds	1	PHOTOGRAPH OF POND	PHOTOGRAPH OF POND.pdf
		2	Rainwater Harvesting Report	Rainwater Harvesting Report.pdf
10	Recycle and reuse of water	1	Water Balance Chart	Water Balance Chart.pdf
11	RWH and AR structures implemented	1	Rain Water Harvesting Pond and Injection Well	Rain Water Harvesting Pond & Injection Well.pdf
		2	Photographs of Ponds	PHOTOGRAPH OF POND.pdf
		3	Rainwater Harvesting Report	Rainwater Harvesting Report.pdf

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12	Submission of Compliance report to the Region	1	Submitted Compliance Report	Submitted Compliance Report.pdf
13	Water conservation measures	No Attachment Found!		
14	Water Security Plan of villages	No Attachment Found!		
15	Well monitored around the plant premises	1	Photographs of Piezowell around plant premises	Photographs of Piezowell around plant premises.pdf
16	Wells fitted with water meter and its Record	1	Photographs of Tube wells	Photographs of Tube wells.pdf
		2	Ground Water Abstraction 150 KLD	Ground Water Abstraction 150 KLD.pdf

11). Compliance to the Condition prescribed in the NOC - Other

S.No.	Conditions given in NOC	Attachments		
		S.No.	Attachment Name	File Name

12). Bharat Kosh Reciept (Porcessing Fee):

S.No	Attachment Name	File Name
1	Bharatkosh Receipt	Bharatkosh Receipt.pdf

13). Application with Signature and Seal:

S.No	Attachment Name	File Name
1	last page of application with Seal and Sign	last page of application with Seal and Sign.pdf

Date :

Name & Signature of the applicant

Place :

(With official seal)

Associated User : Bhargavar

Submitted By User : Bhargavar

Submission Date : 31/08/2020

* In case signed by any authorized signatory, the details of the signatory with the authorization shall be enclosed.

Shree Cement Limited,
Udepur, Tehsil- Suratgarh, District -Shri 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	7.24
3	Oil and Grease	Not to exceed 10 mg/l	<4.0
4	Ammoniacal Nitrogen (as N)	Not to exceed 50 mg/l	4.24
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	69.4
8	Total residual chlorine	Not to exceed 1.0 mg/l	<0.2

Annexure-2

Ambient Air Quality at Plant Boundary : all values in $\mu\text{g}/\text{M}^3$												
Location Month	Plant boundary toward truck parking area				Plant boundary behind CCR building				Plant boundary towards Udepur village.			
	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
April, 20	45	26	10	13	46	25	9	11	45	26	11	12
May, 20	44	25	11	12	47	28	12	10	46	25	12	11
June, 20	46	27	9	10	45	29	11	12	48	28	11	13
July, 20	46	27	9	12	47	26	10	11	46	27	10	11
Aug, 20	44	28	10	10	45	27	9	11	49	26	9	10
Sept, 20	45	26	10	11	46	30	11	10	47	27	12	13
Stack Emission level (PM in mg/Nm^3)												
S. No.	Month				PM (mg/Nm^3)							
1	April, 20				22.04							
2	May, 20				20.18							
3	June, 20				17.46							
4	July, 20				18.62							
5	Aug, 20				19.15							
6	Sept, 20				23.17							

Noise level at Plant boundary (in dB (A))						
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
April, 20	49.7	40.3	47.8	44.6	48.1	43.1
May, 20	48.5	41.1	46.4	42.3	46.9	40.7
June, 20	47.6	40.5	49.1	43.8	47.4	41.5
July, 20	61.85	49.45	62.05	49.55	60.7	49.25
Aug, 20	60.9	49.8	60.55	48.4	58.35	48.75
Sept, 20	63.45	53.8	62.25	54.1	61.95	55.3