CIN No. : L26943RJ1979PLC001935

: 01462 228101-6 Phone Toll Free: 1800 180 6003 / 6004

: 01462 228117 / 228119 : shreebwr@shreecement.com

Website : www.shreecement.com



# SHREE CEMENT LTD.

An ISO 9001, 14001, 45001 & 50001 Certified Company

Read. Office:

BANGUR NAGAR, POST BOX NO.33, BEAWAR 305901, RAJASTHAN, INDIA

SCL/BWR/ENV/2021-22/ 9991

Date:-20/11/2021

To. The Deputy Director General of Forests (C), Ministry of Env., Forest and Climate Change, Integrated Regional Office, Jaipur, A-209&218, Aranya Bhawan, Mahatma Gandhi Road. Jhalana Institutional Area, Jaipur - 302004, Rajasthan

Sub:-Six monthly compliance report of Environmental Clearance letter of Unit-II of M/s Shree Cement Limited, located at village Andheri Deori, Tehsil-Masuda, District Ajmer (Rajasthan). For the period of April, 2021 to September, 2021.

Ref: - Environment Clearance letter No. J-11011/101/96-IA-II (I) dated 09/04/1997.

Dear Sir.

With reference to above referred letter, please find herewith compliance report of conditions stipulated in the Environment Clearance for cement manufacturing plant by M/s Shree Cement Limited. Dully supported with relevant annexures in hard & soft by email. This compliance report is submitted for the period from April, 2021 to September, 2021.

This is for your kind information please.

Thanking you,

Yours faithfully,

For Shree Cement Ltd.

(Dr. Ani Kumar Trivedi) Sr. G.M. (Environment)

Encl: As above

Cc to:- CC: The Director (Industry-I)Ministry of Environment, Forests & Climate Change, Indra Paryavaran Bhavan, Jorbag Road, New Delhi-110003

CC: The Addl. Principal Chief Conservator of Forest (C), Ministry of Environment Forest & Climate Change, Regional Office, Kendriya Bhawan, 5th Floor, Sector 'H' Aliganj, Lucknow (U.P.), Pin-226020.

CC: The In-Charge (Zonal Office), Central Pollution Control Board (CPCB), Vithal Market, Paryavaran Parisar, E-5 Arera Colony ,Bhopal-462003(M.P.)

CC: The Member Secretary, Rajasthan Pollution Control Board, 4, Institutional Area, Jhalana Doongri, JAIPUR-302004(Rajasthan).

JAIPUR OFFICE : 58-187, Rapu Nagar, Opp. Rejeethan University, JLN Marg, Jaipur 302016 Phone: 0141 4241200, 4241204

NEW DELHI OFFICE: 122-123, Hans Bhawan, 1, Bahadurshah Zafar Marg, New Delhi 110002

Phone: 011 23370828, 23379218, 23370776

CORP. OFFICE: 21, Strand Road, Kolkata 700001 Phone: 033 22309601-4 Fax: 033 22434226

#### SHREE CEMENT LIMITED UNIT-II

Village Andheri Deori, Tehsil-Masuda, District Ajmer (Rajasthan)

## **COMPLIANCE STATUS**

ENVIRONMENT CLEARANCE LETTER No.

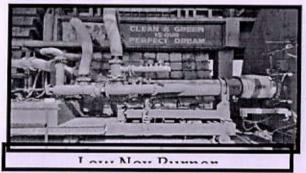
PERIOD OF COMPLIANCE

**Project Code** 

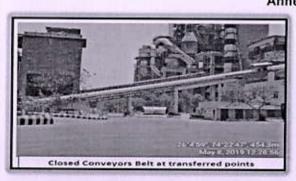
J-11011/101/96-IA-II (I) dated: April 09, 1997 April-21 to September-21 Raj-20-140-1997

Α	Conditions	Compliances status				
(i)	The project authority must take necessary action to adhere to the conditions and measures stipulated by state government and state pollution control board.	state pollution control board have been taken care of.				
(ii)	No further expansion of the plant can be taken up without the prior approval of this ministry.	Prior approval shall be taken from Ministry for any further expansion.				
(iii)	The gaseous and SPM emission from various units must confirm to the standards prescribed by the central government or state pollution control board under the EPA norms whichever is more stringent. At no time, the emission must exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit (s) must be put out of operation immediately and shall not be restarted until the control systems are rectified to achieve the desired efficiency.	<ul> <li>The stack of Raw Mill Kiln, Clinker Cooler, Coal Mill, Cement mill of all units are complying with PM &lt;30 mg/Nm3. All the stacks are installed with emission control devices like Bag house &amp; ESPs.</li> <li>De-NOx system have been installed at all kilns.</li> <li>Opacity meters have been installed for continuous monitoring of PM at the stack of Raw mill &amp; Kiln, Clinker Cooler, Cement mill, Coal mill.</li> <li>CEMS have been installed for continuous emission monitoring of SO2 and NOx at the stack of Raw Mill-Kiln.</li> <li>SO2 emission level are maintained &lt;100 mg/Nm3 &amp; NOx emission level are maintained &lt;1000 mg/Nm3 from Raw Mill &amp; Kiln stack.</li> <li>PM Emission level are maintained &lt;30 mg/Nm3 from Raw mill &amp; kiln, Coal mill, Clinker Cooler and Cement mill stacks of all units</li> <li>Adequate numbers of air pollution control devices have been installed at all the material transfer points and silos.</li> <li>Low NOx burners have been installed with all kilns.</li> <li>Calibration of all instruments is being done on regular basis.</li> <li>NABL approved lab performs the calibration of opacity monitors and gas analyzers periodically.</li> <li>Phtoographs and and stack emissions monitoing results are given as Annexure-I.</li> </ul>				

## Annexure-I





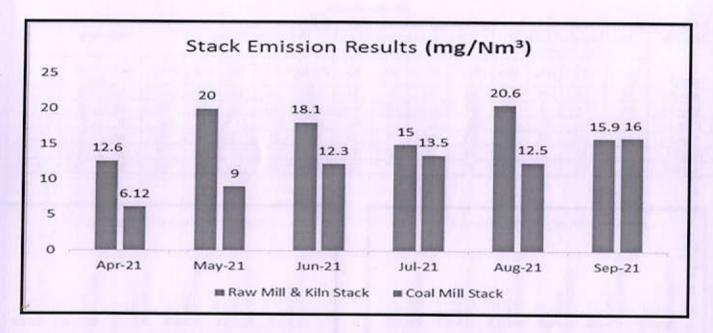


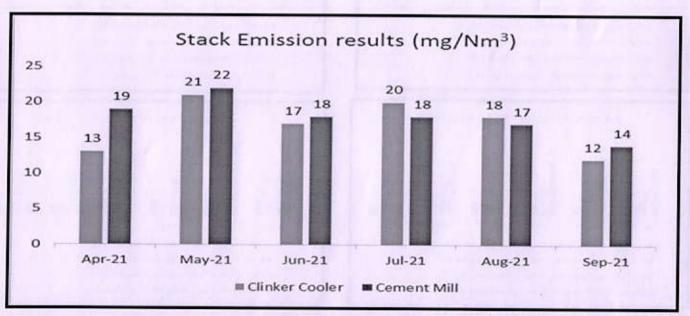


## Stack Emission results (mg/Nm3)

Stack Emission Monitoring data: (Period: Apr 2021 to Sep 2021)

	All values in (mg/Nm3)							
MONTH	RAW MILL & KILN	COAL MILL	CLINKER COOLER	CEMENT MIILL				
Apr-21	12.6	6.12	13	19				
May-21	20	9	21	22				
June-21	18.1	12.3	17	18				
July-21	15	13.5	20	18				
Aug-21	20.6	12.5	18	17				
Sep-21	15.9	16	12	14				





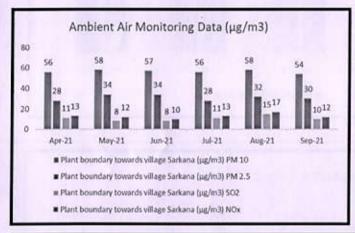
(iv) Ambient air quality including ambient noise level must not exceed the standards stipulated under EPA/State authorities. Monitoring of ambient air quality and stack emission shall be carried out regularly in consultation with SPCB and report submitted to the board quarterly and to the ministry (regional office at Lucknow) half-yearly. Ambient air qualities including ambient noise level are well within the prescribed standards stipulated under EPA/State authorities. Monitoring of ambient air quality and stack emission is being carried out regularly. Monthly monitoring report is submitted to SPCB and half yearly to the Ministry. Monitored data from April 2021 to September 2021 is enclosed as Annexure-II.

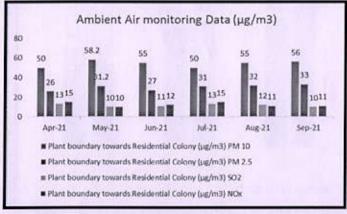
#### Annexure-II

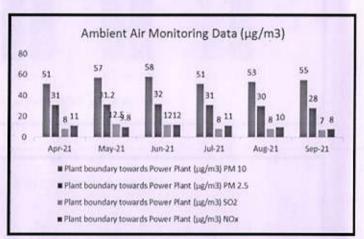
Monitored data

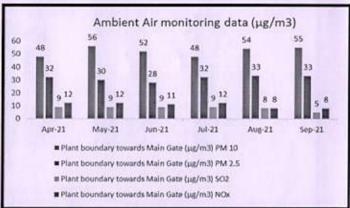
Ambient Air Quality Monitoring Data :- (Period: Apr 2021 to Sep 2021) :- (All values in ug/m3)

Location	Plant boundary towards village Sarakana				Plant boundary towards Power Plant			Residential Colony			Main Gate					
Month	PM 10	PM 2.5	SO2	NOx	PM 10	PM 2.5	S02	NOx	PM 10	PM 2.5	SO2	NOx	PM 10	PM 2.5	S02	NOx
Apr-21	56	28	11	13	51	31	8	11	50	26	13	15	48	32	9	12
May-21	58	34	8	12	57	31.2	12.5	9.8	58.2	31.2	10	10	56	30	9	12
June-21	57	34	8	10	58	32	12	12	55	27	11	12	52	28	9	11
July-21	56	28	11	13	51	31	8	11	50	31	13	15	48	32	9	12
Aug-21	58	32	15	17	53	30	8	10	55	32	12	11	54	33	8	8
Sep-21	54	30	10	12	55	28	7	8	56	33	10	11	55	33	5	8



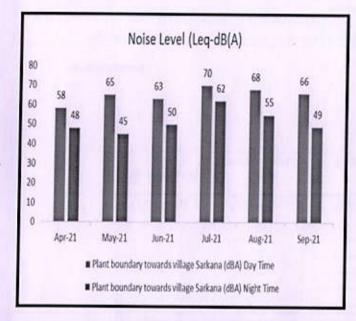


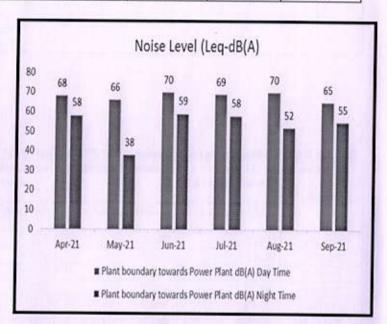


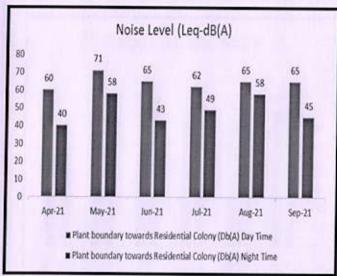


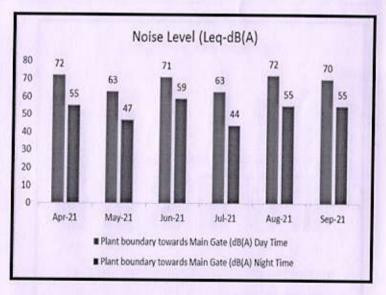
Ambient Noise Level Monitoring Data:- Noise Level (Leq-dB(A) (Period: Apr 2021 to Sep 2021)

Location		dary towards Sarakana	Plant boundary towards Power Plant		Reside	ntial Colony	Main Gate	
Month	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
Apr-21	58	48	68	58	60	40	72	55
May-21	65	45	66	38	71	58	63	47
June-21	63	50	70	59	65	43	71	59
July-21	70	62	69	58	62	49	63	44
Aug-21	68	55	70	52	65	58	72	55
Sep-21	66	49	65	55	65	45	70	55







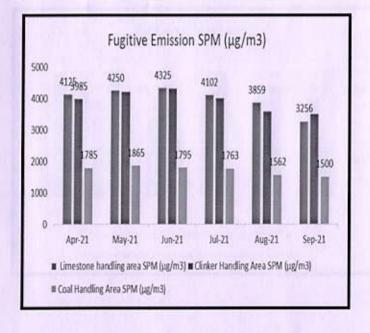


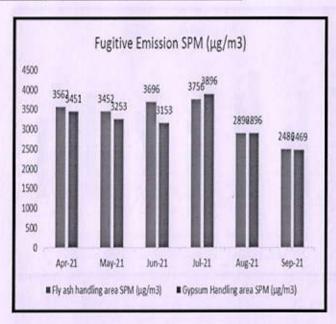
All measures to control the fugitive emission and better (v) Fugitive emission of dust should be controlled housekeeping have been taken & maintained regularly. and work environment monitoring by adequate CPCB guidelines for control of fugitive emissions have been dust collection and extraction system and housekeeping. implemented. Following measures have been taken for control of fugitive emissions: Use of covered vehicles for cement and clinker transport Use of closed container for FlyAsh transport. Use of rail along with road transport. All movement area are concreted. Circular stockpile for covered storage for Coal. Plantation has been carried out around plant area. Vaccum sweeping machines are in use for sweeping. All unloading hoppers are covered and provided with bag filters. All conveyer belts are covered. Water spray system at reclaimer and limestone unloading Photographs enclosed as Annexure-III Fugitive emission report enclosed as Annexure-III.

#### Annexure-III

Fugitive Emission Monitoring Data: Period (: Apr 2021 to Sep 2021)

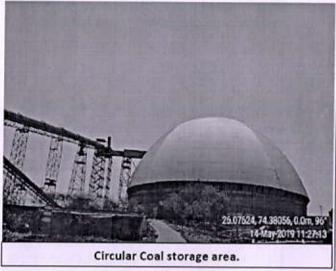
Location	Limestone handling area	Clinker Handling Area	Coal Handling Area	Fly ash handling area	Gypsum Handling area	
Pronti	SPM (µg/m3)	SPM (µg/m3)	SPM (µg/m3)	SPM (µg/m3)	SPM (µg/m3)	
Apr-21	4125	3985	1785	3562	3451	
May-21	4250	4215	1865	3452	3253	
June-21	4325	4321	1795	3696	3153	
July-21	4102	4002	1763	3756	3896	
Aug-21	3859	3569	1562	2896	2896	
Sep-21	3256	3495	1500	2486	2469	

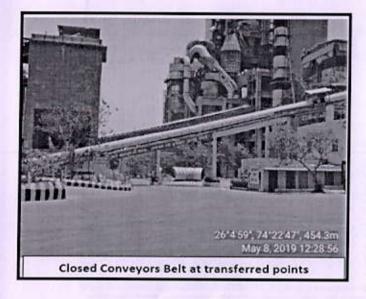




## Control Measures for Fugitive Emissions:

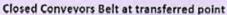


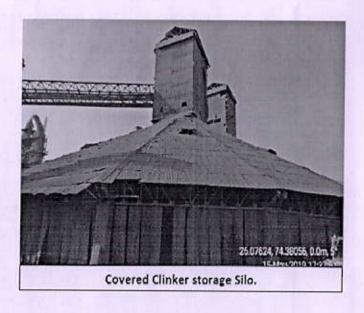






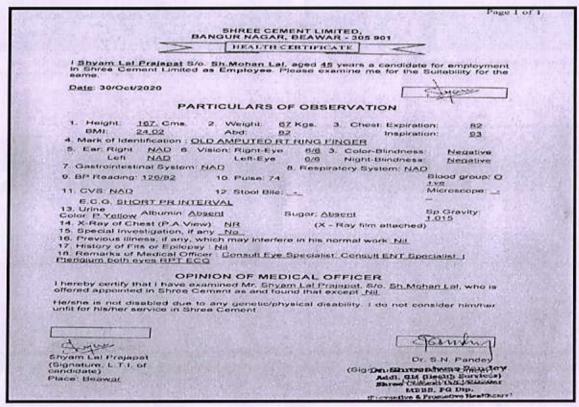


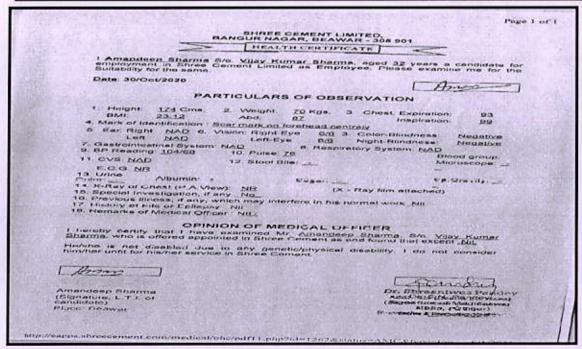




(vi)	The project authority shall not change any design/height of the stack without permission of state pollution control board.	Noted. No change in design of stack height. However, height & installation of CEMS are as per statutory guidlines.
(vii)	Water requirement for both process and domestic purpose envisaged at 2070m3/day must be met from mine water sources only adopting proper mine storage and water utilization schemes.	Water consumption for industrial cooling is >450 KLD.  Domestic water consumption is common for all units which is >950 KLD.  Water requirement met from ground water and rain water collected in mine pits.
(viii)	Occupational health of the workers should be periodically monitored and record maintained.	<ul> <li>Occupational Health Management Center with specialist has been established.</li> <li>Occupational Health Surveillance programmes are being carried out on regular basis and record of the same is maintained as per Factories Act.</li> <li>Every year Health Checkup is being carried out on annual basis. Copy enclosed as Annexure IV</li> <li>No any occupational health related disease reported till.</li> </ul>

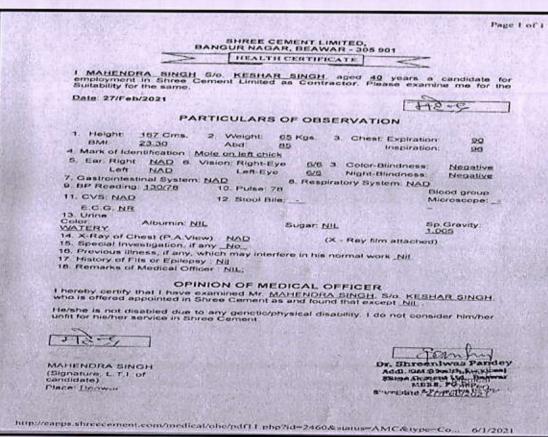
#### Annexure-IV





## SHREE CEMENT LIMITED, BANGUR NAGAR, BEAWAR - 305 901 THEALTH CERTIFICATE I <u>Firoz Khan</u> S/o. <u>Ismail Khan, aged 30</u> years a candidate for employment in Shree Cement Limited as Employee. Please examine me for the Suitability for the Date: 10/Mar/2021 - facility PARTICULARS OF OBSERVATION 1. Height: 173 Cms. 2. Weight: Z3 Kgs. 3. Chest Expiration: BMI: 24.39 Abd: 91 E.C.G. NB E.C.G. NR 13. Urine Sugar: Color: Color: Alburnin: NR (X - Ray film attache 15. Special investigation, if any No 16. Previous illness, if any, which may interfere in his normal work Nil 17. History of Fits or Epilepsy Nil 18. Remarks of Medical Officer: Regular Exercise: Sp. Gravity: \_-(X - Ray film attached) OPINION OF MEDICAL OFFICER I hereby certify that I have examined Mr. Firoz Khen, S/o. Ismail Khan, who is offered appointed in Shree Cement as and found that except Nil. He/she is not disabled due to any genetic/physical disability. I do not consider him/her unfit for his/her service in Shree Cement. Accessor gamen Firoz Khan (Signature, L.T.I. of candidate) Crashing Water Same Pluce. Beawar

\* \* .



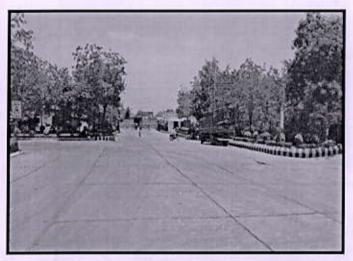
(ix) As proposed in the EMP, green belt must be developed in 75 hac. around the plant in addition to greenery/plantation in 10.54 hac. A norms of 1500-2000 plantation/hac. of diverse species in consultation with state forest/horticulture deptt. can be followed.

Tree plantation is our on-going process. Out of total land 231.94 hectare we have developed green belt in the area of 82.83 hectare which covers around 35.71 % of total area with 228411 nos of trees saplings.

Local native species of plants have been planted for increase of survival rate.

· Plantation detail is enclosed as Annexure -V

#### Plantation Photographs:



### Annexure-V







(x)	A separate environmental management cell with suitably qualified personnel to carry out various environmental management functions should be set up under the control of a senior executive who will report directly to the head of the organization.	Separate environmental management cell has be established with suitably qualified personnel to carry o various environmental management functions under to control of senior exicutive who is reporting to the who time director (WTD).						
(xi)	The project authority must set up laboratory facility for collection and analysis of samples under the supervision of competent technical personnel who will directly report to the chief executive.	Well equipped laboratory for environmental monitoring and analysis has been established.						
(xii)	The fund earmarked for environmental management measures should not be diverted for other purpose and year-wise expenditure should be reported to this ministry. A six monthly progress report on the project vis-à-vis environmental measures must be submitted to the state / central authorities.		implemented	iree years	recurring	cost for the		
			Description	2018- 19	2019- 2020	2020-2021		
			Plant	670.05 Lacs	544.02 Lacs	325.45 Lacs		
(xiii)	The ministry of any other competent authority may stipulate any further condition after reviewing the compliance reports. The above conditions will be monitored by the Regional office of this ministry located at Lucknow/CPCB/SPCB with respect to its implementation.	Noted						
(xiv)	The ministry may revoke or suspend clearance, if implementation of the stipulated conditions is not satisfactory.	Noted. All the terms and conditions are being implemented and compliance report is being submitted to SPCB/CPCB and MoEF&CC timely.						
(xv)	The above conditions will be enforced inter-alia under the water (prevention and control of pollution) Act, 1974, Air (prevention and control of pollution) Act, 1981 and Environment (Protection) Act, 1986 and Public Liability Insurance Act 1991, along with their	MoEF&CC timely.  Noted. Complying with water (prevention and control of pollution) Act,1974 and Air (prevention and control of pollution) Act, 1981 & Environment (Protection) Act, 1986 and public liability insurance act, 1991, along with their amendments.						

