

CIN No. : L26943RJ1979PLC001935
Phone : 01462-228101-6
Toll Free : 1800 180 6003/6004
Fax : 01462 228117 / 228119
E-Mail : shreebwr@shreecement.com
Website : www.shreecement.com



SHREE CEMENT LTD.

An ISO 9001, 14001, 45001 & 50001 Certified Company

Regd. Office

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

SCL/RAS/ENV/MoEF&CC/2022-2023/ 613

Date: 15.11.2022

To

Deputy Director (S),
Integrated Regional Office, Jaipur,
Ministry of Environment, Forest & Climate Change,
A-209&218, Aranya Bhawan, Mahatma Gandhi Road,
Jhalana Institutional Area, Jaipur – 304002, Rajasthan

Sub: - Six monthly compliance status of conditions stipulated in Environment Clearance issued for Expansion of Integrated Cement Plant [Clinker: 15 MTPA, Cement: 13.2 MTPA; WHRB (90 MW to 125 MW); CPP: 180 MW to 160 MW, DG sets 2000 KVA] and synthetic gypsum production 1560 TPD; 40 Ha Residential Colony situated near Village – Ras, Tehsil – Jaitaran, District – Pali, Rajasthan by Shree Cement Limited.

Ret: - MoEF&CC Clearance letter no. J-11011/343/2012-IA-II (I) dated 07.11.2017 & amendment EC Clearance letter no. J-11011/343/2012-IA-II (I) dated 29.05.2018.

Dear Sir,

With reference to above subject and referred letters; we are submitting herewith the compliance status of conditions stipulated in the Environment Clearance for expansion of Integrated Cement Plant [Clinker: 15 MTPA, Cement: 13.2 MTPA; WHRB (90 MW to 125 MW); CPP: 180 MW to 160 MW, DG sets 2000 KVA] and synthetic gypsum production 1560 TPD; 40 Ha Residential Colony situated near Village – Ras, Tehsil – Jaitaran, District – Pali, Rajasthan by Shree Cement Limited for the period from **1st April -2022 to 30th September-2022**.

This is for your kind information and perusal please.

Thanking you,

Yours faithfully,
For Shree Cement Ltd.

(Satish Chander)

Unit Head & Vice President

Encls: As above

CC to:

1. The In-Charge (Zonal Office), Central Pollution Control Board (CPCB), Vithal Market, Paryavaran Parisar, E-5, Area Colony, Bhopal, Madhya Pradesh 462016
2. The Member Secretary, Rajasthan State Pollution Control Board, 4, Institutional Area, Jhalana Doongri, JAIPUR-302004 (Rajasthan).
3. The Director (Non Coal Mines), Ministry of Environment, Forest & Climate Change, Indira Paryavaran Bhavan Jorbagh Road New Delhi - 110 003

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

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

**COMPLIANCE STATUS OF CONDITIONS
STIPULATED IN
ENVIRONMENT CLEARANCE**

**(EC. No. J-11011/343/2012-IA-II (I) dated: 07th November 2017 &
Amendment EC no. J-11011/343/2012-IA-II (I) dated 29th May 2018)**

Issued for

**Expansion of Integrated Cement Plant [Clinker: 15 MTPA, Cement: 13.2 MTPA;
WHRB (90 MW to 125 MW); CPP: 180 MW to 160 MW, DG sets 2000 KVA] and
synthetic gypsum production 1560 TPD; 40 Ha Residential Colony**

By

**SHREE CEMENT LIMITED; Village-RAS, TEHSIL- JAITARAN, DISTRICT- PALI
(RAJASTHAN)**

For the period of

April 2022 to September 2022

Compliance Status

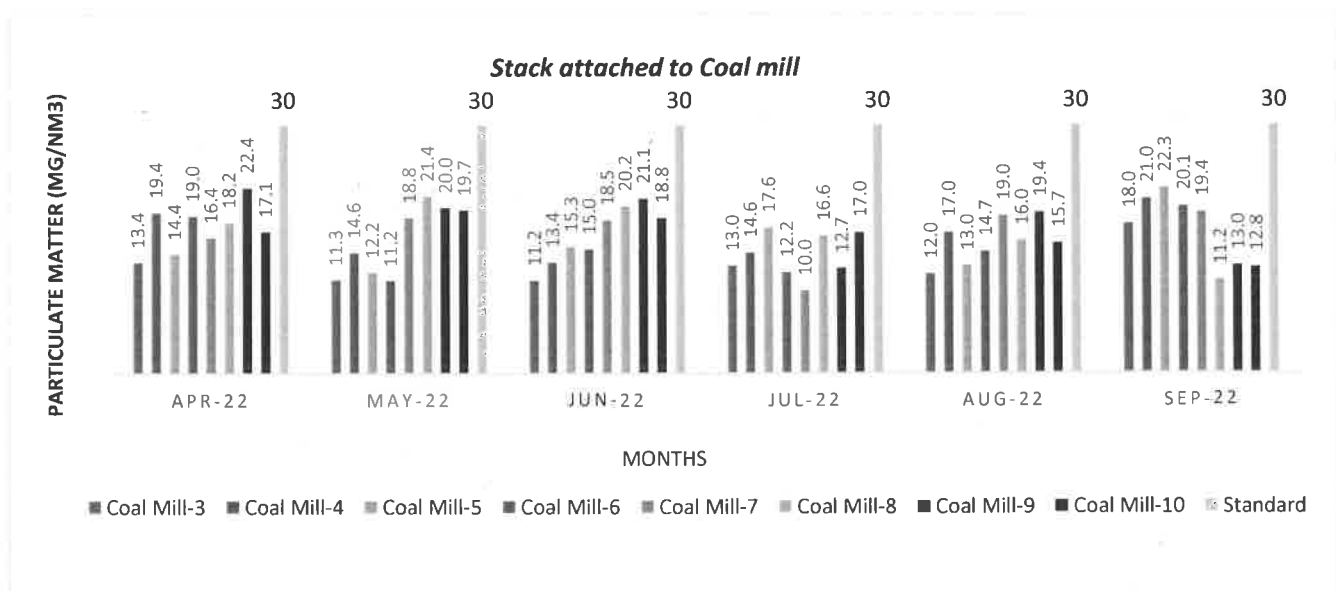
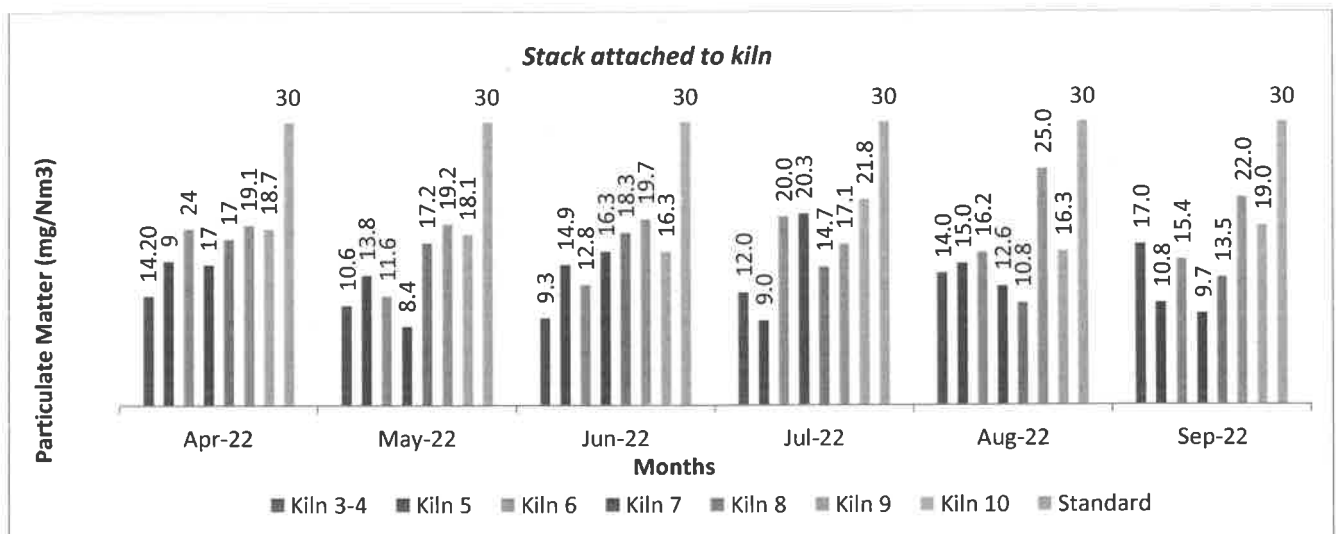
A	Point of Environment Clearance	Compliances Status/Action plan
(i)	The project proponent should install 24x7 air monitoring devices to monitor air emission, as provided by the CPCB and submit report to Ministry and its Regional Office.	<ul style="list-style-type: none"> • CEMS has been installed for continuous monitoring of PM, SO₂ and NO_x at the stack of all kilns and boiler & connected 24x7 with the RSPCB & CPCB servers. • CEMS have been installed for continuous monitoring of PM at all stacks of coal mill, cement mill and clinker cooler & connected 24x7 with the RSPCB & CPCB servers. Some photographs of CEMS are given below.

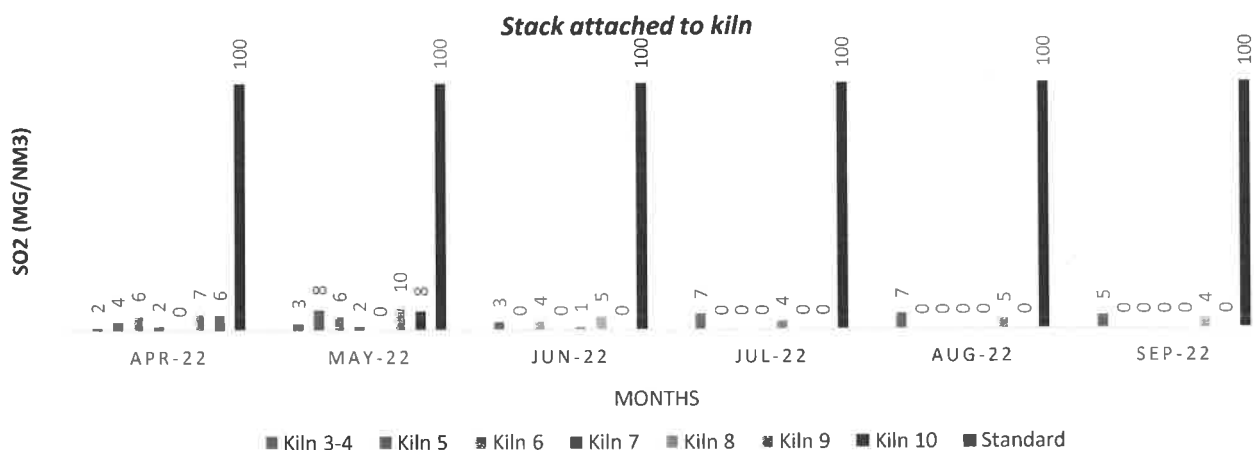
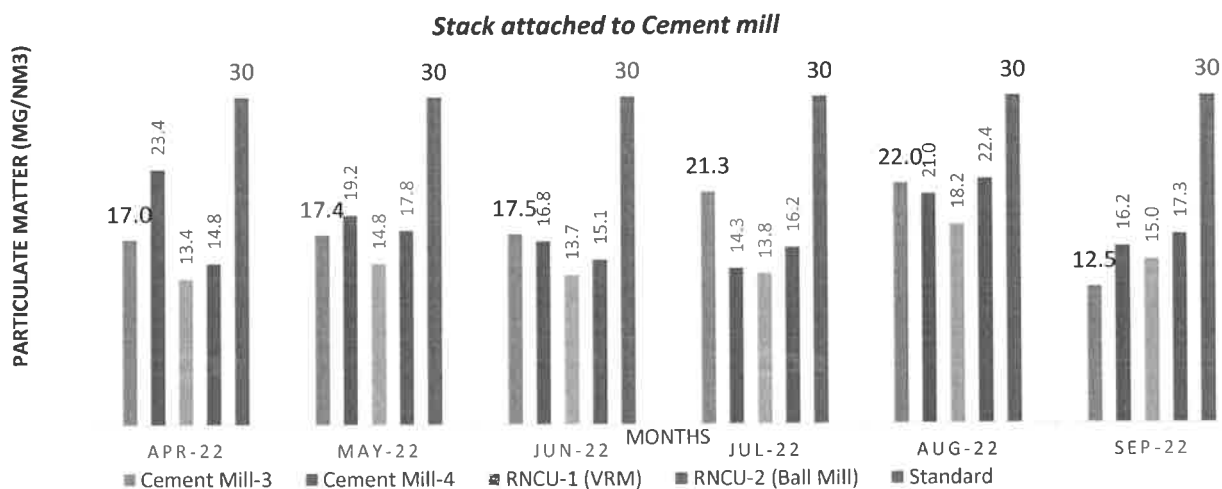
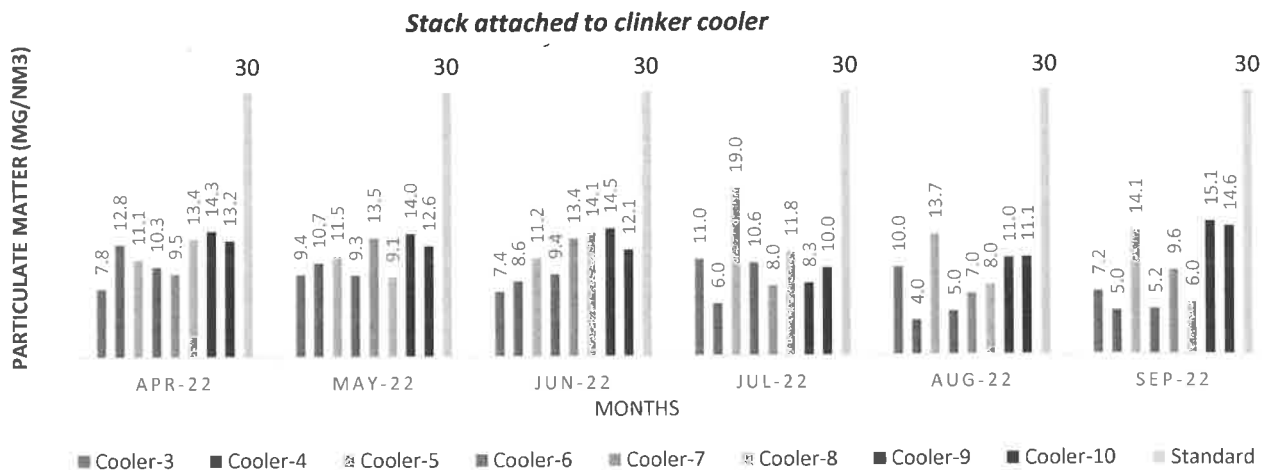
Photograph of installed CEMS (Opacity meters and Gas analyzer)

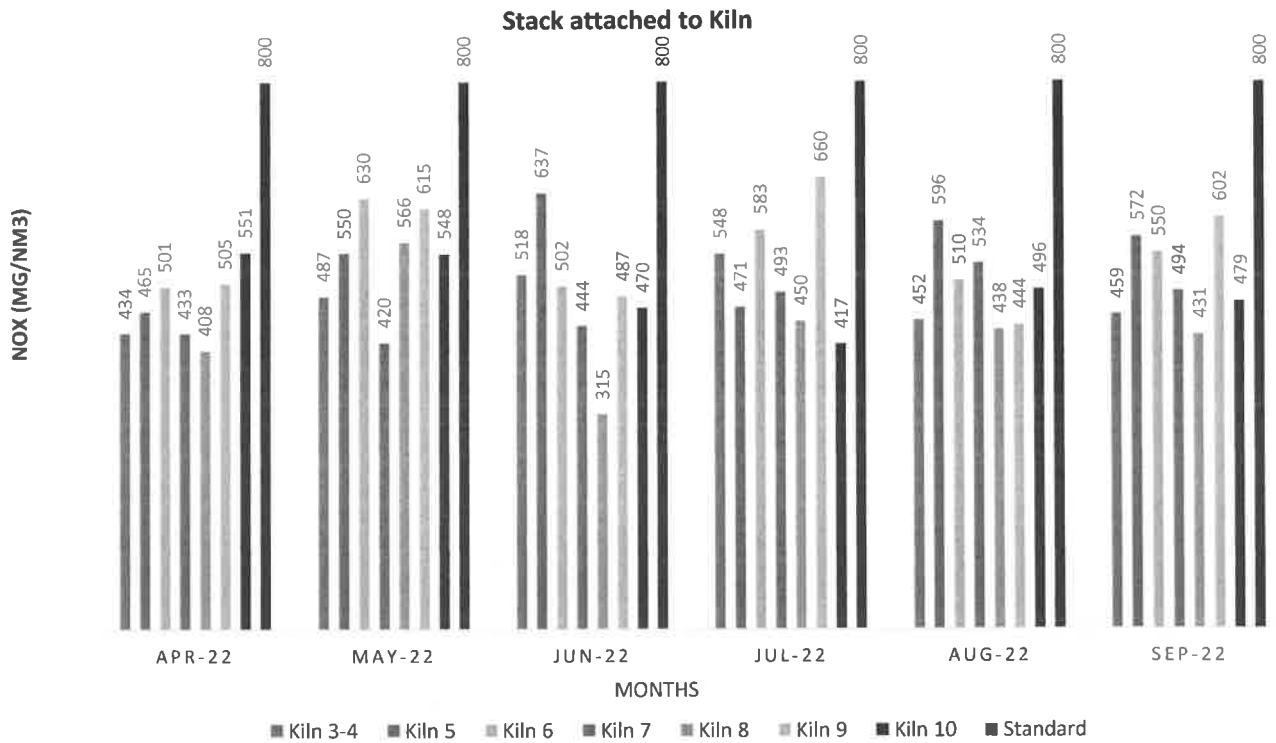


(ii)	<p>The Standards issued by the Ministry vide G.S.R No. 612 (E) dated 25th August, 2014 and subsequent amendment dated 9th May, 2016 and 10th May, 2016 regarding cement plants with respect to particulate matter, SO₂ and NO₂ shall be followed.</p>	<ul style="list-style-type: none"> • All the process stacks are attached with emission control devices like Bag house, ESPs. • The stacks of Raw Mill & Kiln, Clinker Cooler, Coal Mill, Cement mill of all units are complying with PM <30 mg/Nm³. • PM emission levels at captive power plant is controlled by ESP and values are <50 mg/Nm³ for all boiler stacks. • Complying with SO₂ <100 mg/Nm³ for kilns. • Low NO_x burners and De-NO_x system have been provided at all kilns. • WHRS & recirculation system is being installed with clinker cooler. • Stack monitoring results for PM, SO₂ & NO_x are given below.
------	--	--

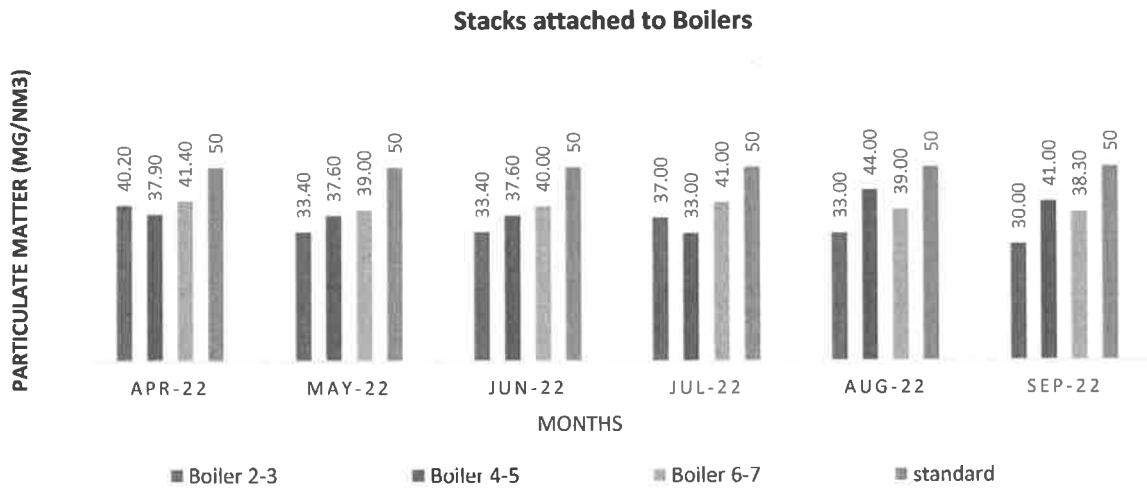
Stack Monitoring Results Cement Plant

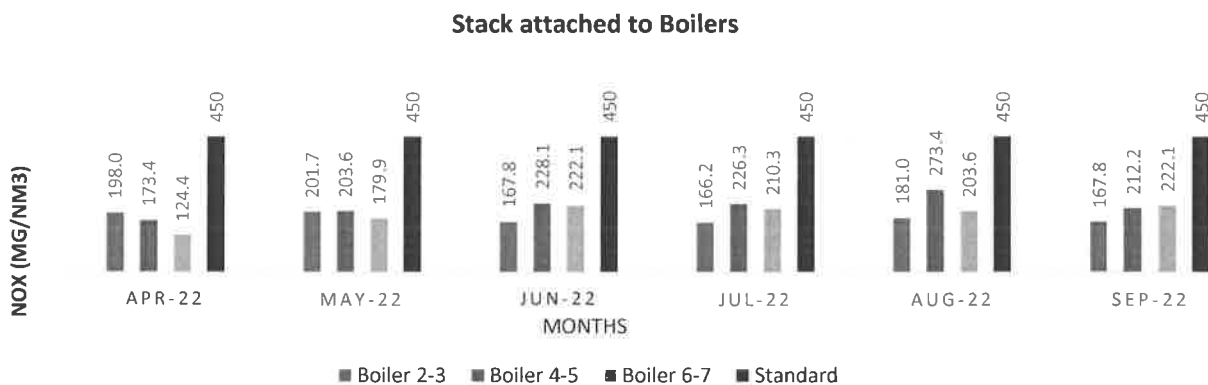
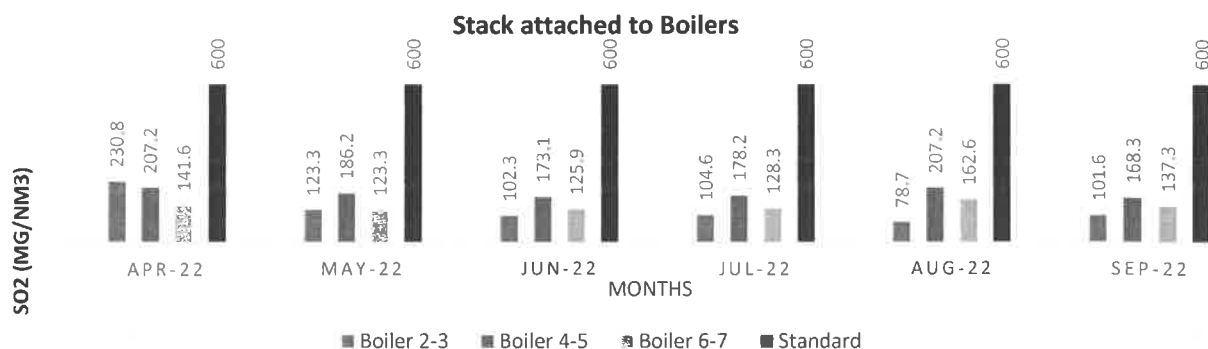






Stack Monitoring Results Power Plant



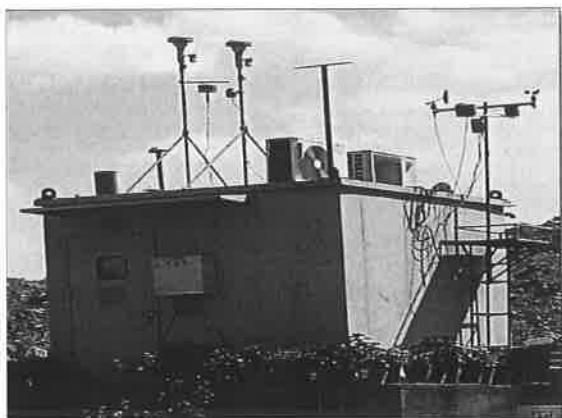


(iii)

Continuous stack monitoring facilities to monitor gaseous emissions from the process stacks shall be provided. After expansion, limit of PM shall be controlled to meet prescribed standards by installing adequate air pollution control viz Electrostatic precipitators to clinker cooler, bag house to raw mill/kiln and bag filters to coal mill and cement mill. Low NO_x burners shall be provided to control NO_x emissions. Regular calibration of the instruments must be ensured.

- Opacity meters have been installed for continuous monitoring of PM at the stack of raw mill & Kiln, Clinker Cooler, Cement mill, Coal mill and Boilers.
- CEMS have been installed for continuous emission monitoring of SO₂ and NO_x at the stack of Raw Mill-Kiln and Boiler.
- PM Emission level are <30 mg/Nm³ for Raw mill & kiln, Coal mill, Clinker Cooler and Cement mill stacks of all units.
- PM Emission level are <50 mg/Nm³ for all Boiler stacks.
- Adequate numbers of air pollution control devices i.e. Bag Houses/ Revers Air Bag Houses/ ESPs has been installed.
- Waste Heat Recovery Systems (WHRS) installed with all kilns.
- Hot air recirculation systems provide to ensure Zero air flow in atmosphere via clinker cooler stack.
- Bag filters have been installed at all the

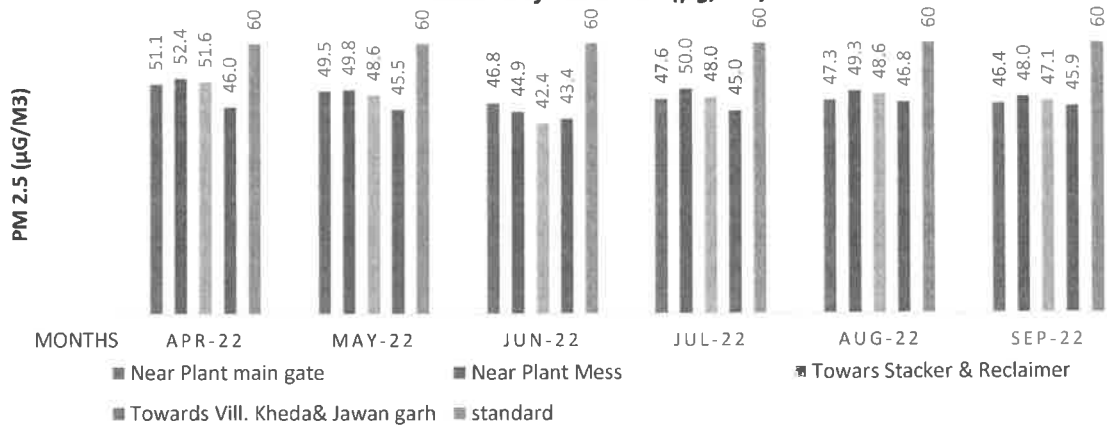
		<p>material transfer points & silos. Low NOx burners have been installed with all kilns.</p> <ul style="list-style-type: none"> De-NOx systems have been provided at all kilns. Calibration of all instruments is being done on regular basis.
(iv)	Efforts shall be made to achieve power consumption of 70 units/tonne for Portland Pozzolona Cement (PPC) and 95 units/tonne for Ordinary Portland Cement (OPC) production and thermal energy consumption of 670 Kcal/Kg of clinker.	<ul style="list-style-type: none"> All suitable measures like VFD, high efficient motors have been adopted to reduce power consumption. Separate energy management cell has been established to monitor power & fuel consumption. Regular internal and external energy audits are performed and the findings are being implemented.
(V)	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 shall be followed.	<ul style="list-style-type: none"> The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 is being followed. We have installed 5 Nos. CAAQMS stations in (plant & mine) core & buffer area locations & manual ambient air quality is being monitored at following four locations- 01-plant boundary near main-gate, 02-near mess, 03-near stacker & 04-reclaimer and towards village Khera and Jawangarh. Six monthly compliance reports are being submitted on regular basis to the IRO MOEF, Jaipur, CPCB and RPCB. Photographs of CAAQMS & results of ambient air quality monitored are enclosed as below.



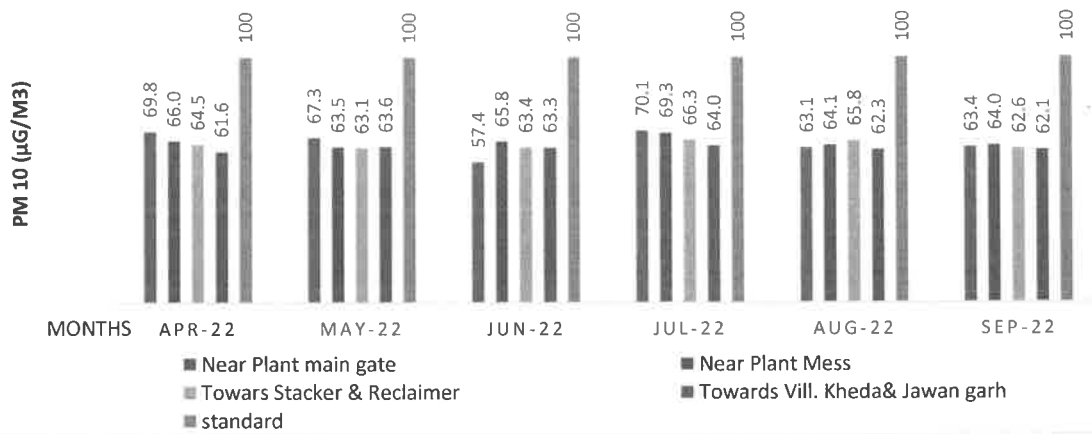
CAAQMS installed at Plant Boundary

AMBIENT AIR QUALITY RESULTS

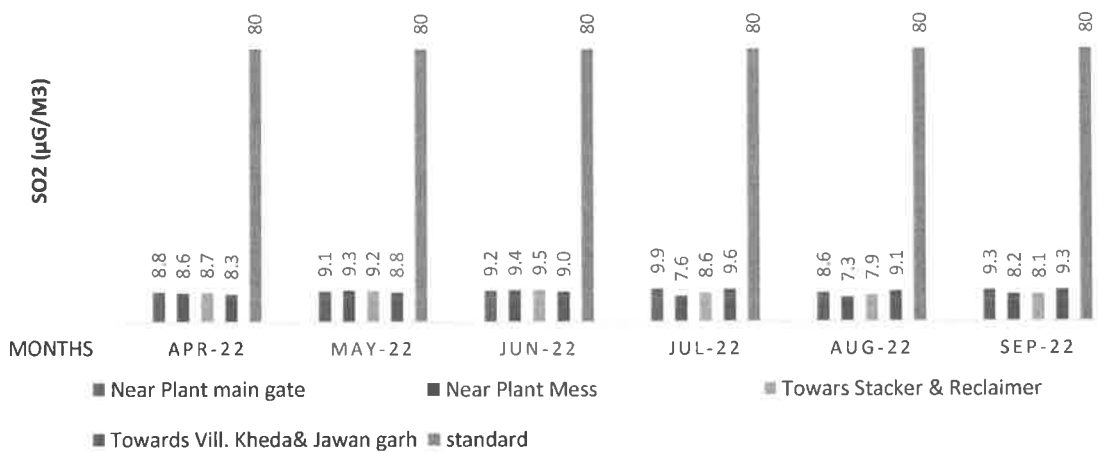
Results of PM 2.5 in ($\mu\text{g}/\text{m}^3$)

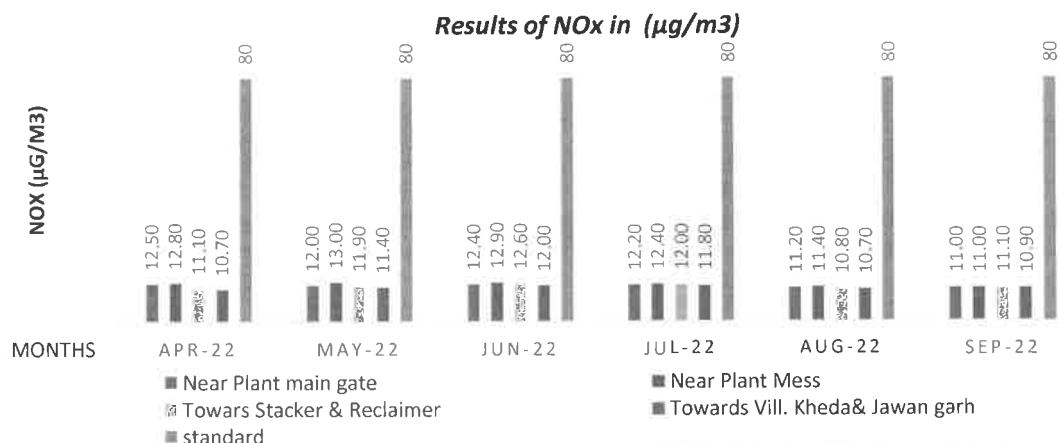


Results of PM 10 in ($\mu\text{g}/\text{m}^3$)



Results of SO₂ in ($\mu\text{g}/\text{m}^3$)



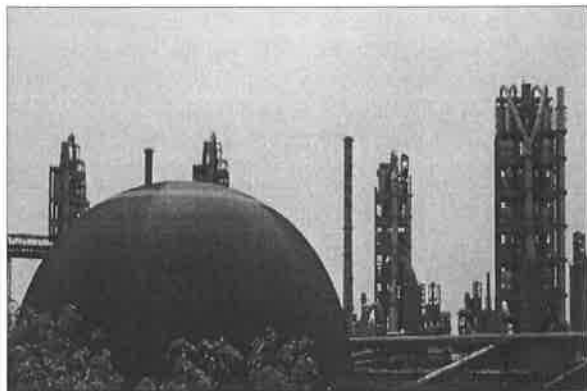


(vi)	AAQ Modeling shall be carried out based on the specific mitigate measures taken in the existing project and proposed for the expansion project to keep the emission well below prescribed standards.	<ul style="list-style-type: none"> AAQ modeling was carried out during EIA study and the same was already submitted to MOEF&CC. Emission levels are maintained within prescribed limits.
(vii)	Secondary fugitive emission shall be controlled and shall be within the prescribed limits and regularly monitored. Guidelines/ Code or Practice issued by the CPCB in this regard shall be followed.	<ul style="list-style-type: none"> Secondary fugitive emission is being controlled within the prescribed limit and regularly monitored. Guidelines/ code of practice issued by CPCB in this regards is being followed. Following measures have been taken for the control of fugitive emissions: <ul style="list-style-type: none"> i. Covered vehicle for cement and clinker transportation. ii. Closed containers and bulkers for fly ash transportation. iii. Implementation of rail transportation along with road transportation. iv. All vehicle movement area is concreted inside the plant premises. v. Silos for the storage of clinker and fly ash. vi. Covered storage for natural and synthetic gypsum. vii. Circular stock pile storage for coal and petcoke. viii. All hoppers unloading points are covered and provided with bag filters. ix. All conveyor belts are covered. x. Bag filters and dust collectors have been provided at all material transfer points. xi. Water spray system has been provided with stacker & reclaimer and limestone unloading points. xii. Vacuum sweeping machines are being used for better housekeeping. xiii. Green belt has been developed at all

around the plant premises.

Photographs showing control measure taken for fugitive emissions & fugitive emission monitoring results are enclosed as below.

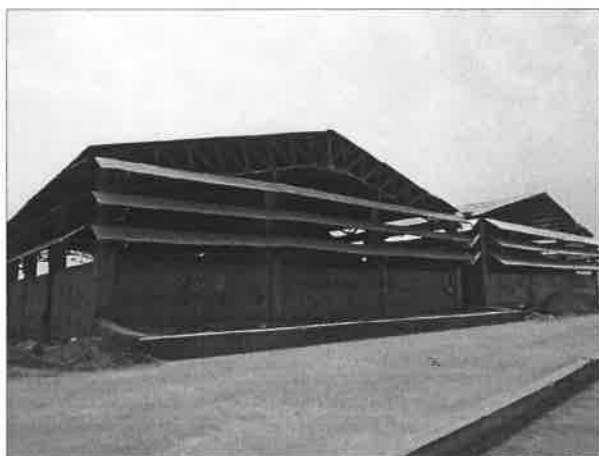
Photographs of Control measures taken for fugitive emissions



Coal / Petcoke Storage



Gypsum Storage Yard



Fly ash & pond ash storage yard



Gypsum Shade



Transportation in closed bulker



Bag filter at material transfer points



Covered Material Transport



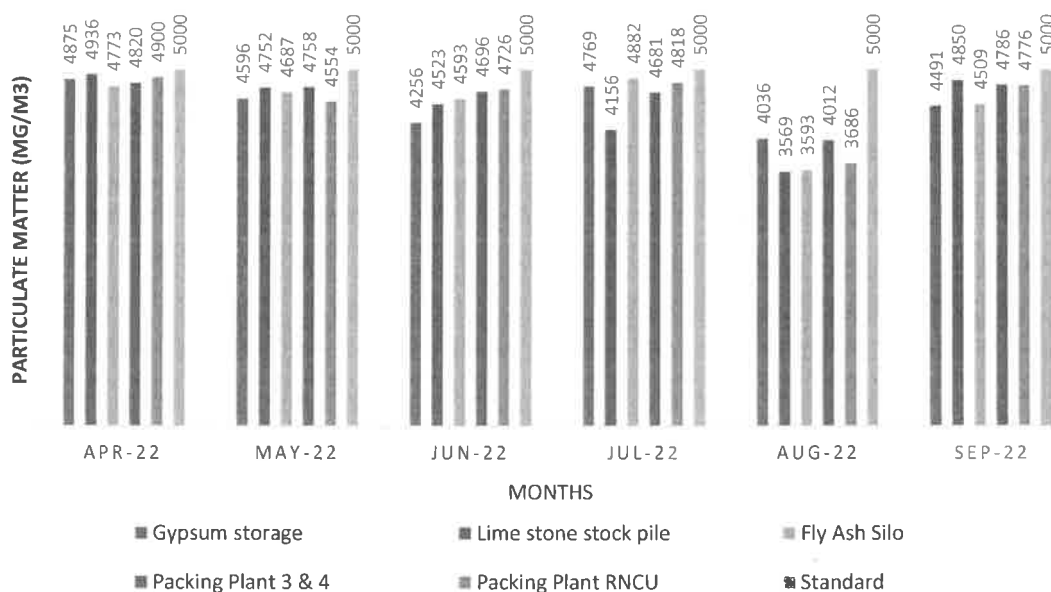
Road Sweeping machine

**Concreted Roads
Within Plant premises**

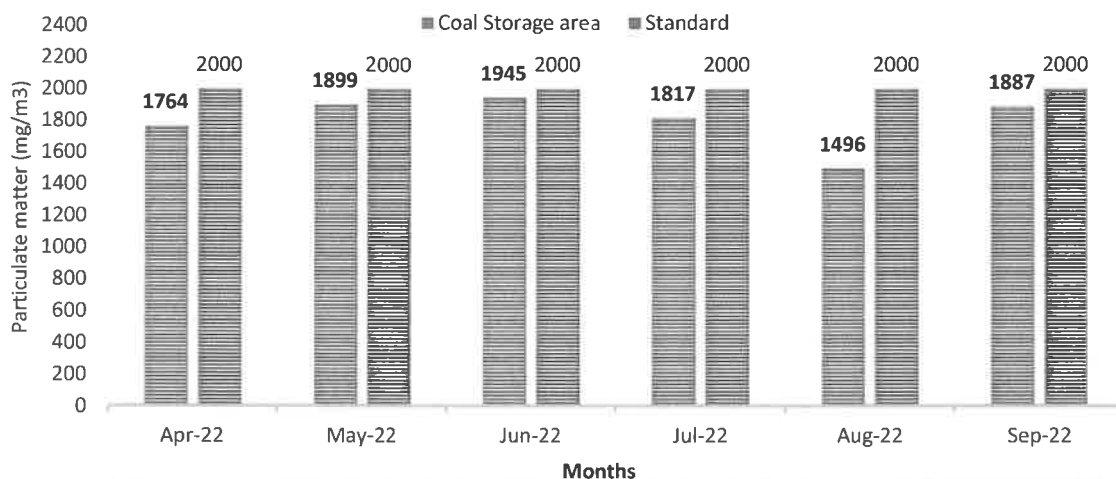


Green Belt Development along Side Road

Fugitive Monitoring Results Fugitive (Raw Material) Monitoring Result



Fugitive (Coal) Monitoring Results



(viii)

A statement on carbon budgeting including the quantum of equivalent CO₂ being emitted by the existing plant operations, the amount of carbon sequestered annually by the existing green belt and the proposed green belt and the quantum of equivalent CO₂ that will be submitted to the Ministry and the Regional Office of the Ministry. This shall be prepared every year by the project proponent. The first such budget shall be prepared within a period of 6 months and subsequently it should be prepared every year.

A team of experts performs the survey of the entire plant and collects the raw data for calculation of GHG emissions. Company follows the GCCA and "Energy Accounting and Reporting Standard for the Cement Industry" for the calculation of the GHG emissions.

Every year a third party is engaged for assurance of the GHG data. During the year 2021-2022, CO₂ emitted by existing plant operation was 9031841 Tons & sequestered CO₂ was 8692.56 MT.

(ix)	<p>For the employees working in high temperature zone falling in the plant operation areas, the total shift duration would be 4 hrs. Or less per day where the temperature is more than 50°C. Moreover, the jobs of these employees will be alternated in such a way that no employee is subjected to working in high temperature area for more than 1 hr. continuously. Such employees would be invariably provided with proper protective equipment, garments and gears such as head gear, clothing, gloves, eye protection etc. There should also be an arrangement for sufficient drinking water at site to prevent dehydration etc.</p>	<ul style="list-style-type: none"> • Cement plant & Power Plant are using state of art fully mechanized technology. • No direct exposure of human beings to the high temperature area. • PPEs are provided to all the plant workers. Specific PPE related to high temperature working zones are provided to the workmen working at the hot areas. Such areas are demarked as Hot Area Work in the plant. • Drinking water & utility facilities (sufficient locations and numbers) are provided for workers at shop floors.
(x)	<p>Arsenic and Mercury shall be monitored in emission, ambient air and water.</p>	<ul style="list-style-type: none"> • Arsenic and Mercury in stack emissions, ambient air and ground water are carried out by approved lab & reports are enclosed as below.

Arsenic & Mercury Analysis Reports from NABL Approved Laboratory


EKO PRO ENGINEERS PVT. LTD.
Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)

Office: 10, Connaught Place, New Delhi-110028, India. Phone: 011-26100000, 011-26100001, 011-26100002, 011-26100003, 011-26100004, 011-26100005, 011-26100006, 011-26100007, 011-26100008, 011-26100009, 011-26100010, 011-26100011, 011-26100012, 011-26100013, 011-26100014, 011-26100015, 011-26100016, 011-26100017, 011-26100018, 011-26100019, 011-26100020, 011-26100021, 011-26100022, 011-26100023, 011-26100024, 011-26100025, 011-26100026, 011-26100027, 011-26100028, 011-26100029, 011-26100030, 011-26100031, 011-26100032, 011-26100033, 011-26100034, 011-26100035, 011-26100036, 011-26100037, 011-26100038, 011-26100039, 011-26100040, 011-26100041, 011-26100042, 011-26100043, 011-26100044, 011-26100045, 011-26100046, 011-26100047, 011-26100048, 011-26100049, 011-26100050, 011-26100051, 011-26100052, 011-26100053, 011-26100054, 011-26100055, 011-26100056, 011-26100057, 011-26100058, 011-26100059, 011-26100060, 011-26100061, 011-26100062, 011-26100063, 011-26100064, 011-26100065, 011-26100066, 011-26100067, 011-26100068, 011-26100069, 011-26100070, 011-26100071, 011-26100072, 011-26100073, 011-26100074, 011-26100075, 011-26100076, 011-26100077, 011-26100078, 011-26100079, 011-26100080, 011-26100081, 011-26100082, 011-26100083, 011-26100084, 011-26100085, 011-26100086, 011-26100087, 011-26100088, 011-26100089, 011-26100090, 011-26100091, 011-26100092, 011-26100093, 011-26100094, 011-26100095, 011-26100096, 011-26100097, 011-26100098, 011-26100099, 011-26100100, 011-26100101, 011-26100102, 011-26100103, 011-26100104, 011-26100105, 011-26100106, 011-26100107, 011-26100108, 011-26100109, 011-26100110, 011-26100111, 011-26100112, 011-26100113, 011-26100114, 011-26100115, 011-26100116, 011-26100117, 011-26100118, 011-26100119, 011-26100120, 011-26100121, 011-26100122, 011-26100123, 011-26100124, 011-26100125, 011-26100126, 011-26100127, 011-26100128, 011-26100129, 011-26100130, 011-26100131, 011-26100132, 011-26100133, 011-26100134, 011-26100135, 011-26100136, 011-26100137, 011-26100138, 011-26100139, 011-26100140, 011-26100141, 011-26100142, 011-26100143, 011-26100144, 011-26100145, 011-26100146, 011-26100147, 011-26100148, 011-26100149, 011-26100150, 011-26100151, 011-26100152, 011-26100153, 011-26100154, 011-26100155, 011-26100156, 011-26100157, 011-26100158, 011-26100159, 011-26100160, 011-26100161, 011-26100162, 011-26100163, 011-26100164, 011-26100165, 011-26100166, 011-26100167, 011-26100168, 011-26100169, 011-26100170, 011-26100171, 011-26100172, 011-26100173, 011-26100174, 011-26100175, 011-26100176, 011-26100177, 011-26100178, 011-26100179, 011-26100180, 011-26100181, 011-26100182, 011-26100183, 011-26100184, 011-26100185, 011-26100186, 011-26100187, 011-26100188, 011-26100189, 011-26100190, 011-26100191, 011-26100192, 011-26100193, 011-26100194, 011-26100195, 011-26100196, 011-26100197, 011-26100198, 011-26100199, 011-26100200, 011-26100201, 011-26100202, 011-26100203, 011-26100204, 011-26100205, 011-26100206, 011-26100207, 011-26100208, 011-26100209, 011-26100210, 011-26100211, 011-26100212, 011-26100213, 011-26100214, 011-26100215, 011-26100216, 011-26100217, 011-26100218, 011-26100219, 011-26100220, 011-26100221, 011-26100222, 011-26100223, 011-26100224, 011-26100225, 011-26100226, 011-26100227, 011-26100228, 011-26100229, 011-26100230, 011-26100231, 011-26100232, 011-26100233, 011-26100234, 011-26100235, 011-26100236, 011-26100237, 011-26100238, 011-26100239, 011-26100240, 011-26100241, 011-26100242, 011-26100243, 011-26100244, 011-26100245, 011-26100246, 011-26100247, 011-26100248, 011-26100249, 011-26100250, 011-26100251, 011-26100252, 011-26100253, 011-26100254, 011-26100255, 011-26100256, 011-26100257, 011-26100258, 011-26100259, 011-26100260, 011-26100261, 011-26100262, 011-26100263, 011-26100264, 011-26100265, 011-26100266, 011-26100267, 011-26100268, 011-26100269, 011-26100270, 011-26100271, 011-26100272, 011-26100273, 011-26100274, 011-26100275, 011-26100276, 011-26100277, 011-26100278, 011-26100279, 011-26100280, 011-26100281, 011-26100282, 011-26100283, 011-26100284, 011-26100285, 011-26100286, 011-26100287, 011-26100288, 011-26100289, 011-26100290, 011-26100291, 011-26100292, 011-26100293, 011-26100294, 011-26100295, 011-26100296, 011-26100297, 011-26100298, 011-26100299, 011-26100300, 011-26100301, 011-26100302, 011-26100303, 011-26100304, 011-26100305, 011-26100306, 011-26100307, 011-26100308, 011-26100309, 011-26100310, 011-26100311, 011-26100312, 011-26100313, 011-26100314, 011-26100315, 011-26100316, 011-26100317, 011-26100318, 011-26100319, 011-26100320, 011-26100321, 011-26100322, 011-26100323, 011-26100324, 011-26100325, 011-26100326, 011-26100327, 011-26100328, 011-26100329, 011-26100330, 011-26100331, 011-26100332, 011-26100333, 011-26100334, 011-26100335, 011-26100336, 011-26100337, 011-26100338, 011-26100339, 011-26100340, 011-26100341, 011-26100342, 011-26100343, 011-26100344, 011-26100345, 011-26100346, 011-26100347, 011-26100348, 011-26100349, 011-26100350, 011-26100351, 011-26100352, 011-26100353, 011-26100354, 011-26100355, 011-26100356, 011-26100357, 011-26100358, 011-26100359, 011-26100360, 011-26100361, 011-26100362, 011-26100363, 011-26100364, 011-26100365, 011-26100366, 011-26100367, 011-26100368, 011-26100369, 011-26100370, 011-26100371, 011-26100372, 011-26100373, 011-26100374, 011-26100375, 011-26100376, 011-26100377, 011-26100378, 011-26100379, 011-26100380, 011-26100381, 011-26100382, 011-26100383, 011-26100384, 011-26100385, 011-26100386, 011-26100387, 011-26100388, 011-26100389, 011-26100390, 011-26100391, 011-26100392, 011-26100393, 011-26100394, 011-26100395, 011-26100396, 011-26100397, 011-26100398, 011-26100399, 011-26100400, 011-26100401, 011-26100402, 011-26100403, 011-26100404, 011-26100405, 011-26100406, 011-26100407, 011-26100408, 011-26100409, 011-26100410, 011-26100411, 011-26100412, 011-26100413, 011-26100414, 011-26100415, 011-26100416, 011-26100417, 011-26100418, 011-26100419, 011-26100420, 011-26100421, 011-26100422, 011-26100423, 011-26100424, 011-26100425, 011-26100426, 011-26100427, 011-26100428, 011-26100429, 011-26100430, 011-26100431, 011-26100432, 011-26100433, 011-26100434, 011-26100435, 011-26100436, 011-26100437, 011-26100438, 011-26100439, 011-26100440, 011-26100441, 011-26100442, 011-26100443, 011-26100444, 011-26100445, 011-26100446, 011-26100447, 011-26100448, 011-26100449, 011-26100450, 011-26100451, 011-26100452, 011-26100453, 011-26100454, 011-26100455, 011-26100456, 011-26100457, 011-26100458, 011-26100459, 011-26100460, 011-26100461, 011-26100462, 011-26100463, 011-26100464, 011-26100465, 011-26100466, 011-26100467, 011-26100468, 011-26100469, 011-26100470, 011-26100471, 011-26100472, 011-26100473, 011-26100474, 011-26100475, 011-26100476, 011-26100477, 011-26100478, 011-26100479, 011-26100480, 011-26100481, 011-26100482, 011-26100483, 011-26100484, 011-26100485, 011-26100486, 011-26100487, 011-26100488, 011-26100489, 011-26100490, 011-26100491, 011-26100492, 011-26100493, 011-26100494, 011-26100495, 011-26100496, 011-26100497, 011-26100498, 011-26100499, 011-26100500, 011-26100501, 011-26100502, 011-26100503, 011-26100504, 011-26100505, 011-26100506, 011-26100507, 011-26100508, 011-26100509, 011-26100510, 011-26100511, 011-26100512, 011-26100513, 011-26100514, 011-26100515, 011-26100516, 011-26100517, 011-26100518, 011-26100519, 011-26100520, 011-26100521, 011-26100522, 011-26100523, 011-26100524, 011-26100525, 011-26100526, 011-26100527, 011-26100528, 011-26100529, 011-26100530, 011-26100531, 011-26100532, 011-26100533, 011-26100534, 011-26100535, 011-26100536, 011-26100537, 011-26100538, 011-26100539, 011-26100540, 011-26100541, 011-26100542, 011-26100543, 011-26100544, 011-26100545, 011-26100546, 011-26100547, 011-26100548, 011-26100549, 011-26100550, 011-26100551, 011-26100552, 011-26100553, 011-26100554, 011-26100555, 011-26100556, 011-26100557, 011-26100558, 011-26100559, 011-26100560, 011-26100561, 011-26100562, 011-26100563, 011-26100564, 011-26100565, 011-26100566, 011-26100567, 011-26100568, 011-26100569, 011-26100570, 011-26100571, 011-26100572, 011-26100573, 011-26100574, 011-26100575, 011-26100576, 011-26100577, 011-26100578, 011-26100579, 011-26100580, 011-26100581, 011-26100582, 011-26100583, 011-26100584, 011-26100585, 011-26100586, 011-26100587, 011-26100588, 011-26100589, 011-26100590, 011-26100591, 011-26100592, 011-26100593, 011-26100594, 011-26100595, 011-26100596, 011-26100597, 011-26100598, 011-26100599, 011-26100600, 011-26100601, 011-26100602, 011-26100603, 011-26100604, 011-26100605, 011-26100606, 011-26100607, 011-26100608, 011-26100609, 011-26100610, 011-26100611, 011-26100612, 011-26100613, 011-26100614, 011-26100615, 011-26100616, 011-26100617, 011-26100618, 011-26100619, 011-26100620, 011-26100621, 011-26100622, 011-26100623, 011-26100624, 011-26100625, 011-26100626, 011-26100627, 011-26100628, 011-26100629, 011-26100630, 011-26100631, 011-26100632, 011-26100633, 011-26100634, 011-26100635, 011-26100636, 011-26100637, 011-26100638, 011-26100639, 011-26100640, 011-26100641, 011-26100642, 011-26100643, 011-26100644, 011-26100645, 011-26100646, 011-26100647, 011-26100648, 011-26100649, 011-26100650, 011-26100651, 011-26100652, 011-26100653, 011-26100654, 011-26100655, 011-26100656, 011-26100657, 011-26100658, 011-26100659, 011-26100660, 011-26100661, 011-26100662, 011-26100663, 011-26100664, 011-26100665, 011-26100666, 011-26100667, 011-26100668, 011-26100669, 011-26100670, 011-26100671, 011-26100672, 011-26100673, 011-26100674, 011-26100675, 011-26100676, 011-26100677, 011-26100678, 011-26100679, 011-26100680, 011-26100681, 011-26100682, 011-26100683, 011-26100684, 011-26100685, 011-26100686, 011-26100687, 011-26100688, 011-26100689, 011-26100690, 011-26100691, 011-26100692, 011-26100693, 011-26100694, 011-26100695, 011-26100696, 011-26100697, 011-26100698, 011-26100699, 011-26100700, 011-26100701, 011-26100702, 011-26100703, 011-26100704, 011-26100705, 011-26100706, 011-26100707, 011-26100708, 011-26100709, 011-26100710, 011-26100711, 011-26100712, 011-26100713, 011-26100714, 011-26100715, 011-26100716, 011-26100717, 011-26100718, 011-26100719, 011-26100720, 011-26100721, 011-26100722, 011-26100723, 011-26100724, 011-26100725, 011-26100726, 011-26100727, 011-26100728, 011-26100729, 011-26100730, 011-26100731, 011-26100732, 011-26100733, 011-26100734, 011-26100735, 011-26100736, 011-26100737, 011-26100738, 011-26100739, 011-26100740, 011-26100741, 011-26100742, 011-26100743, 011-26100744, 011-26100745, 011-26100746, 011-26100747, 011-26100748, 011-26100749, 011-26100750, 011-26100751, 011-26100752, 011-26100753, 011-26100754, 011-26100755, 011-26100756, 011-26100757, 011-26100758, 011-26100759, 011-26100760, 011-26100761, 011-26100762, 011-26100763, 011-26100764, 011-26100765, 011-26100766, 011-26100767, 011-26100768, 011-26100769, 011-26100770, 011-26100771, 011-26100772, 011-26100773, 011-26100774, 011-26100775, 011-26100776, 011-26100777, 011-26100778, 011-26100779, 011-26100780, 011-26100781, 011-26100782, 011-26100783, 011-26100784, 011-26100785, 011-26100786, 011-26100787, 011-26100788, 011-26100789, 011-26100790, 011-26100791, 011-26100792, 011-26100793, 011-26100794, 011-26100795, 011-26100796, 011-26100797, 011-26100798, 011-26100799, 011-26100800, 011-26100801, 011-26100802, 011-26100803, 011-26100804, 011-26100805, 011-26100806, 011-26100807, 011-26100808, 011-26100809, 011-26100810, 011-26100811, 011-26100812, 011-26100813, 011-26100814, 011-26100815, 011-26100816, 011-26100817, 011-26100818, 011-26100819, 011-26100820, 011-26100821, 011-26100822, 011-26100823, 011-26100824, 011-26100825, 011-26100826,

EKO PRO ENGINEERS PVT. LTD.
Environmental Consultants and Analytical Laboratory
No. 10, 1st Floor, 1st Main Road, 1st Cross, 1st Stage, 1st Block, 1st Phase, 1st Section, 1st City, 1st District, 1st State, 1st Country

TEST REPORT
Stack Emission Analysis

Test Report No: EKO/16/290824 Issue Date: 05/06/2022

Issued To: Shree Cement Limited
Village: Rasi
Taluk: Jambhali
Dist: Pimpri
Region: Maharashtra

Sample Description: Stack Emission
Sample Taken on: 05/06/2022
Sample Taken by: EKO/16/290824
Sample Received on: 05/06/2022
Time of Sampling (hh:mm): 10:30
Sampling Location: Unit 10
Sampling Point & Procedure: SOP-SE-09
Analysis Duration: 20/06/2022 To 20/06/2022
Source of Emission: Cement Mill Stack Attached With Bag House
Capacity: Normal
Operating Load: Normal
Normal Operation Schedule: As per requirement
Type of Stack: Metal Corrugated
Diameter of Stack (mm): 140
Height of Stack from Ground Level (m): 15.5
Height of Stack from Roof Level (m): 2
Height of Sampling Location (m): 38.0 From Ground Level
Type of Fuel Used: Petrol
Fuel Consumption per Hour: 1.5
Ambient Temperature (deg C): 32.0
Stack Temperature (deg C): 7.0
Average Velocity of Flow (m/sec): 22.73
Average Flow Rate (kg): 34.1
Control Measure (if any): Bag House
Remarks (if any): Monitoring through air quality monitoring system at ambient level.

S.No.	PARAMETER	TEST METHOD	RESULT	RESULT (CONC)	UNIT	Limit as per Standard
1	Particulate Matter (PM)	IS 11258 (P-1)	15.3	14.0	mg/Nm ³	30.0

Notes:
1. The results given above are related to the tested sample, for various parameters, as observed at the time of sampling.
2. The test result will not be guaranteed against, either directly or indirectly, without prior written permission of the Laboratory.
3. The test samples will be retained (if any) for two weeks from the date of receipt of test report, unless stated otherwise by the customer.
4. Responsibility of the Laboratory is limited to the provided details only.

For EKO PRO ENGINEERS PVT. LTD.
Environmental Consultants and Analytical Laboratory
No. 10, 1st Floor, 1st Main Road, 1st Cross, 1st Stage, 1st Block, 1st Phase, 1st Section, 1st City, 1st District, 1st State, 1st Country

EKO PRO ENGINEERS PVT. LTD.
Environmental Consultants and Analytical Laboratory
No. 10, 1st Floor, 1st Main Road, 1st Cross, 1st Stage, 1st Block, 1st Phase, 1st Section, 1st City, 1st District, 1st State, 1st Country

TEST REPORT
Stack Emission Analysis

Test Report No: EKO/16/290822 Issue Date: 05/06/2022

Issued To: Shree Cement Limited
Village: Rasi
Taluk: Jambhali
Dist: Pimpri
Region: Maharashtra

Sample Description: Stack Emission
Sample Taken on: 05/06/2022
Sample Taken by: EKO/16/290822
Sample Received on: 05/06/2022
Time of Sampling (hh:mm): 10:30
Sampling Location: Unit 10
Sampling Point & Procedure: SOP-SE-09
Analysis Duration: 20/06/2022 To 20/06/2022
Source of Emission: Cement Mill Stack Attached With Bag House
Capacity: Normal
Operating Load: Normal
Normal Operation Schedule: As per requirement
Type of Stack: Metal Corrugated
Diameter of Stack (mm): 140
Height of Stack from Ground Level (m): 15.5
Height of Stack from Roof Level (m): 2
Height of Sampling Location (m): 38.0 From Ground Level
Type of Fuel Used: Petrol
Fuel Consumption per Hour: 1.5
Ambient Temperature (deg C): 32.0
Stack Temperature (deg C): 7.0
Average Velocity of Flow (m/sec): 22.73
Average Flow Rate (kg): 34.1
Control Measure (if any): Bag House
Remarks (if any): Monitoring through air quality monitoring system at ambient level.

S.No.	PARAMETER	TEST METHOD	RESULT	RESULT (CONC)	UNIT	Limit as per Standard
1	Particulate Matter (PM)	IS 11258 (P-1)	15.3	14.0	mg/Nm ³	30.0
2	Residue on Ignition (ROI)	IS 11258 (P-2)	15.3	14.0	mg/Nm ³	30.0
3	Acidity (as SO ₂)	APHA Method 802	15.3	14.0	mg/Nm ³	30.0
4	Acidity (as SO ₃)	APHA Method 802	15.3	14.0	mg/Nm ³	30.0

Notes:
1. The results given above are related to the tested sample, for various parameters, as observed at the time of sampling.
2. The test result will not be guaranteed against, either directly or indirectly, without prior written permission of the Laboratory.
3. The test samples will be retained (if any) for two weeks from the date of receipt of test report, unless stated otherwise by the customer.
4. Responsibility of the Laboratory is limited to the provided details only.

For EKO PRO ENGINEERS PVT. LTD.
Environmental Consultants and Analytical Laboratory
No. 10, 1st Floor, 1st Main Road, 1st Cross, 1st Stage, 1st Block, 1st Phase, 1st Section, 1st City, 1st District, 1st State, 1st Country

EKO PRO ENGINEERS PVT. LTD.
Environmental Consultants and Analytical Laboratory
No. 10, 1st Floor, 1st Main Road, 1st Cross, 1st Stage, 1st Block, 1st Phase, 1st Section, 1st City, 1st District, 1st State, 1st Country

TEST REPORT
Stack Emission Analysis

Test Report No: EKO/16/290823 Issue Date: 05/06/2022

Issued To: Shree Cement Limited
Village: Rasi
Taluk: Jambhali
Dist: Pimpri
Region: Maharashtra

Sample Description: Stack Emission
Sample Taken on: 05/06/2022
Sample Taken by: EKO/16/290823
Sample Received on: 05/06/2022
Time of Sampling (hh:mm): 10:30
Sampling Location: Unit 10
Sampling Point & Procedure: SOP-SE-09
Analysis Duration: 20/06/2022 To 20/06/2022
Source of Emission: Cement Mill Stack Attached With Bag House
Capacity: Normal
Operating Load: Normal
Normal Operation Schedule: As per requirement
Type of Stack: Metal Corrugated
Diameter of Stack (mm): 140
Height of Stack from Ground Level (m): 15.5
Height of Stack from Roof Level (m): 2
Height of Sampling Location (m): 38.0 From Ground Level
Type of Fuel Used: Petrol
Fuel Consumption per Hour: 1.5
Ambient Temperature (deg C): 32.0
Stack Temperature (deg C): 7.0
Average Velocity of Flow (m/sec): 22.73
Average Flow Rate (kg): 34.1
Control Measure (if any): Bag House
Remarks (if any): Monitoring through air quality monitoring system at ambient level.

S.No.	PARAMETER	TEST METHOD	RESULT	RESULT (CONC)	UNIT	Limit as per Standard
1	Particulate Matter (PM)	IS 11258 (P-1)	15.3	14.0	mg/Nm ³	30.0
2	Residue on Ignition (ROI)	IS 11258 (P-2)	15.3	14.0	mg/Nm ³	30.0
3	Acidity (as SO ₂)	APHA Method 802	15.3	14.0	mg/Nm ³	30.0
4	Acidity (as SO ₃)	APHA Method 802	15.3	14.0	mg/Nm ³	30.0

Notes:
1. The results given above are related to the tested sample, for various parameters, as observed at the time of sampling.
2. The test result will not be guaranteed against, either directly or indirectly, without prior written permission of the Laboratory.
3. The test samples will be retained (if any) for two weeks from the date of receipt of test report, unless stated otherwise by the customer.
4. Responsibility of the Laboratory is limited to the provided details only.

For EKO PRO ENGINEERS PVT. LTD.
Environmental Consultants and Analytical Laboratory
No. 10, 1st Floor, 1st Main Road, 1st Cross, 1st Stage, 1st Block, 1st Phase, 1st Section, 1st City, 1st District, 1st State, 1st Country

EKO PRO ENGINEERS PVT. LTD.
Environmental Consultants and Analytical Laboratory
No. 10, 1st Floor, 1st Main Road, 1st Cross, 1st Stage, 1st Block, 1st Phase, 1st Section, 1st City, 1st District, 1st State, 1st Country

TEST REPORT
Stack Emission Analysis

Test Report No: EKO/16/290821 Issue Date: 05/06/2022

Issued To: Shree Cement Limited
Village: Rasi
Taluk: Jambhali
Dist: Pimpri
Region: Maharashtra

Sample Description: Stack Emission
Sample Taken on: 05/06/2022
Sample Taken by: EKO/16/290821
Sample Received on: 05/06/2022
Time of Sampling (hh:mm): 10:30
Sampling Location: Unit 10
Sampling Point & Procedure: SOP-SE-09
Analysis Duration: 20/06/2022 To 20/06/2022
Source of Emission: Cement Mill Stack Attached With Bag House
Capacity: Normal
Operating Load: Normal
Normal Operation Schedule: As per requirement
Type of Stack: Metal Corrugated
Diameter of Stack (mm): 140
Height of Stack from Ground Level (m): 15.5
Height of Stack from Roof Level (m): 2
Height of Sampling Location (m): 38.0 From Ground Level
Type of Fuel Used: Petrol
Fuel Consumption per Hour: 1.5
Ambient Temperature (deg C): 32.0
Stack Temperature (deg C): 7.0
Average Velocity of Flow (m/sec): 22.73
Average Flow Rate (kg): 34.1
Control Measure (if any): Bag House
Remarks (if any): Monitoring through air quality monitoring system at ambient level.

S.No.	PARAMETER	TEST METHOD	RESULT	RESULT (CONC)	UNIT	Limit as per Standard
1	Particulate Matter (PM)	IS 11258 (P-1)	15.3	14.0	mg/Nm ³	30.0
2	Residue on Ignition (ROI)	IS 11258 (P-2)	15.3	14.0	mg/Nm ³	30.0
3	Acidity (as SO ₂)	APHA Method 802	15.3	14.0	mg/Nm ³	30.0
4	Acidity (as SO ₃)	APHA Method 802	15.3	14.0	mg/Nm ³	30.0

Notes:
1. The results given above are related to the tested sample, for various parameters, as observed at the time of sampling.
2. The test result will not be guaranteed against, either directly or indirectly, without prior written permission of the Laboratory.
3. The test samples will be retained (if any) for two weeks from the date of receipt of test report, unless stated otherwise by the customer.
4. Responsibility of the Laboratory is limited to the provided details only.

For EKO PRO ENGINEERS PVT. LTD.
Environmental Consultants and Analytical Laboratory
No. 10, 1st Floor, 1st Main Road, 1st Cross, 1st Stage, 1st Block, 1st Phase, 1st Section, 1st City, 1st District, 1st State, 1st Country

[illegible]

EEO PEO

CHO PRO ENGINEERS PVT. LTD.

Environmental Consultants and a Party of Laboratory

(As per ISO 9001:2015 Certified Company)

After the test report is done, the test report is prepared and signed by the test report officer and the test report is issued to the client. The test report is valid for 12 months from the date of issue.

TEST REPORT

Stack Emission Analysis

Issue Date: 06/05/2022

Test Report No: EPO-19498822
Report To:

Name (Company, address)

Company Name

Factory Address

Factory Type

Registration No./ID

Stack Emission

Emission Test

Emission Test Date (Month, Year)

Emission Test Time

Emission Test Location

Emission Test Method

Emission Test Result

Emission Test Unit

Emission Test Remarks

Emission Test Operator

Emission Test Supervisor

Emission Test Date

Emission Test Time

Emission Test Location

Emission Test Method

Emission Test Result

Emission Test Unit

Emission Test Remarks

Emission Test Operator

Emission Test Supervisor

Emission Test Date

Emission Test Time

Emission Test Location

Emission Test Method

Emission Test Result

Emission Test Unit

Emission Test Remarks

Emission Test Operator

Emission Test Supervisor

Emission Test Date

Emission Test Time

Emission Test Location

Emission Test Method

Emission Test Result

Emission Test Unit

Emission Test Remarks

Emission Test Operator

Emission Test Supervisor

Emission Test Date

Emission Test Time

Emission Test Location

Emission Test Method

Emission Test Result

Emission Test Unit

Emission Test Remarks

Emission Test Operator

Emission Test Supervisor

Emission Test Date

Emission Test Time

Emission Test Location

Emission Test Method

Emission Test Result

Emission Test Unit

Emission Test Remarks

Emission Test Operator

Emission Test Supervisor

Emission Test Date

Emission Test Time

Emission Test Location

Emission Test Method

Emission Test Result

Emission Test Unit

Emission Test Remarks

Emission Test Operator

Emission Test Supervisor

Emission Test Date

Emission Test Time

Emission Test Location

Emission Test Method

Emission Test Result

Emission Test Unit

Emission Test Remarks

Emission Test Operator

Emission Test Supervisor

Emission Test Date

Emission Test Time

Emission Test Location

Emission Test Method

Emission Test Result

Emission Test Unit

Emission Test Remarks

Emission Test Operator

Emission Test Supervisor

Emission Test Date

Emission Test Time

Emission Test Location

Emission Test Method

Emission Test Result

Emission Test Unit

Emission Test Remarks

Emission Test Operator

Emission Test Supervisor

Emission Test Date

Emission Test Time

Emission Test Location

Emission Test Method

Emission Test Result

Emission Test Unit

Emission Test Remarks

[illegible][illegible]

EKO PRO ENGINEERS PVT. LTD.
Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)

TEST REPORT
Stack Emission Analysis

Test Report No: **EKO/81/290822** Issue Date: **05/08/2022**

Issued To: **Shree Cement Limited
Village - Ras
Taluk - Jambhoni
Dist - HPT
Rajasthan - 308147**

Sample Description: **Stack Emission**
Sample Drawn on: **25/08/2022**
Sample Drawn by: **1 PEP, Mr. Mohan Yadav**
Sample Received on: **26/08/2022**
Time of Sampling (Approx): **10:00**
Sampling Location: **Unit A**
Sampling Plan & Procedure: **ISO 15693:2022 To ISO 9001:2015**
Analysis Duration: **25/08/2022 To 05/08/2022**
Source of Emission: **Raw Mill & Roller Stack Attached with Bag House**
Capacity: **Normal**
Operating Load: **As per requirement**
Normal Operation Schedule: **24x7**
Type of Stack: **Vertical**
Diameter of Stack (mm): **1500**
Height of Stack from Ground Level (m): **150.0**
Height of Sampling Location (m): **00.0**
Type of Fuel Used: **Coal**
Fuel Consumption per Hour: **33.0**
Ambient Temperature (°C): **33.0**
Stack Temperature (°C): **140.0**
Average Velocity of Flow Emission (m/sec): **6.1**
Average Flow Rate (m³/min): **23.8**
Weather Conditions: **Clear**
Remarks (if any): **Monitoring Photograph showing coordinate on site/stack structure**

S. No.	PARAMETER	TEST METHOD	RESULT	UNIT	Limit as per Consent
1	Particulate Matter (PM ₁₀)	IS 11725 (P-1)	18.3	mg/m³	100.0
2	Particulate Matter (PM _{2.5})	IS 11725 (P-2)	18.3	mg/m³	100.0
3	Sulphur Dioxide (SO ₂)	IS 11725 (P-3)	18.3	mg/m³	100.0
4	Nitrogen Dioxide (NO ₂)	IS 11725 (P-4)	18.3	mg/m³	100.0
5	Carbon Monoxide (CO)	IS 11725 (P-5)	18.3	mg/m³	100.0
6	Mercury (Hg)	IS 11725 (P-6)	18.3	mg/m³	100.0

Notes:
1. The results given above are related to the tested sample, for various parameters, as observed at the time of sampling.
2. This test report will not be generated again, unless written or in part, without prior written permission of the Laboratory.
3. The test samples will be disposed off after ten days from the date of issue of test report, unless specified by the customer.
4. Responsibility of the Laboratory is limited to the enclosed amount only.
5. End of Report

For EKO PRO ENGINEERS PVT. LTD.
Puneeth Chandra
Technical Manager
(Authorized Signatory)

EKO PRO ENGINEERS PVT. LTD.
Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)

TEST REPORT
Stack Emission Analysis

Test Report No: **EKO/201/290822** Issue Date: **05/08/2022**

Issued To: **Shree Cement Limited
Village - Ras
Taluk - Jambhoni
Dist - HPT
Rajasthan - 308147**

Sample Description: **Stack Emission**
Sample Drawn on: **25/08/2022**
Sample Drawn by: **1 PEP, Mr. Mohan Yadav**
Sample Received on: **26/08/2022**
Time of Sampling (Approx): **10:00**
Sampling Location: **Unit A**
Sampling Plan & Procedure: **ISO 15693:2022 To ISO 9001:2015**
Analysis Duration: **25/08/2022 To 05/08/2022**
Source of Emission: **Raw Mill & Roller Stack Attached with ESP**
Capacity: **Normal**
Operating Load: **As per requirement**
Normal Operation Schedule: **24x7**
Type of Stack: **Vertical**
Diameter of Stack (mm): **1500**
Height of Stack from Ground Level (m): **150.0**
Height of Sampling Location (m): **00.0**
Type of Fuel Used: **Coal**
Fuel Consumption per Hour: **33.0**
Ambient Temperature (°C): **33.0**
Stack Temperature (°C): **140.0**
Average Velocity of Flow Emission (m/sec): **6.1**
Average Flow Rate (m³/min): **23.8**
Weather Conditions: **Clear**
Remarks (if any): **Monitoring Photograph showing coordinate on site/stack structure**

S. No.	PARAMETER	TEST METHOD	RESULT	UNIT	Limit as per Consent
1	Particulate Matter (PM ₁₀)	IS 11725 (P-1)	18.3	mg/m³	100.0
2	Particulate Matter (PM _{2.5})	IS 11725 (P-2)	18.3	mg/m³	100.0
3	Sulphur Dioxide (SO ₂)	IS 11725 (P-3)	18.3	mg/m³	100.0
4	Nitrogen Dioxide (NO ₂)	IS 11725 (P-4)	18.3	mg/m³	100.0
5	Carbon Monoxide (CO)	IS 11725 (P-5)	18.3	mg/m³	100.0
6	Mercury (Hg)	IS 11725 (P-6)	18.3	mg/m³	100.0

Notes:
1. The results given above are related to the tested sample, for various parameters, as observed at the time of sampling.
2. This test report will not be generated again, unless written or in part, without prior written permission of the Laboratory.
3. The test samples will be disposed off after ten days from the date of issue of test report, unless specified by the customer.
4. Responsibility of the Laboratory is limited to the enclosed amount only.
5. End of Report

For EKO PRO ENGINEERS PVT. LTD.
Puneeth Chandra
Technical Manager
(Authorized Signatory)

EKO PRO ENGINEERS PVT. LTD.
Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)

TEST REPORT
Ambient Air Quality Monitoring

Test Report No: **EKO/63/290822** Issue Date: **16/08/2022**

Issued To: **Shree Cement Limited
Village - Ras
Taluk - Jambhoni
Dist - HPT
Rajasthan - 308147**

Sample Description: **Ambient Air**
Sample Drawn on: **25/08/2022 To 26/08/2022**
Sample Drawn by: **1 PEP, Mr. Mohan Yadav**
Sample Received on: **26/08/2022**
Sampling Location: **Plant Boundary Near Main Road**
Sampling Time: **24 x 7 hrs**
Sampling Plan & Procedure: **ISO 15693:2022 To ISO 9001:2015**
Analysis Duration: **25/08/2022 To 05/08/2022**
Ambient Temperature (°C): **33.0**
Average Flow Rate of Gas (m³/min): **1.0**
Average Flow Rate of Gas (m³/min): **1.0**
Weather Conditions: **Clear**
Remarks (if any): **Monitoring Photograph showing coordinate on site/stack structure**

S. No.	Parameters	Test Methods	Results	Units	Limit as per CPCB Notification, 15th Nov 2009
1	Particulate Matter (PM ₁₀)	IS 11725 (P-1)	18.3	µg/m³	100.0
2	Particulate Matter (PM _{2.5})	IS 11725 (P-2)	18.3	µg/m³	100.0
3	Sulphur Dioxide (SO ₂)	IS 11725 (P-3)	18.3	µg/m³	100.0
4	Nitrogen Dioxide (NO ₂)	IS 11725 (P-4)	18.3	µg/m³	100.0
5	Carbon Monoxide (CO)	IS 11725 (P-5)	18.3	µg/m³	100.0
6	Mercury (Hg)	IS 11725 (P-6)	18.3	µg/m³	100.0

Notes:
1. The results given above are related to the tested sample, for various parameters, as observed at the time of sampling.
2. This test report will not be generated again, unless written or in part, without prior written permission of the Laboratory.
3. The test samples will be disposed off after 15 days from the date of issue of test report, unless specified by the customer.
4. Responsibility of the Laboratory is limited to the enclosed amount only.
5. End of Report

For EKO PRO ENGINEERS PVT. LTD.
Puneeth Chandra
Technical Manager
(Authorized Signatory)

EKO PRO ENGINEERS PVT. LTD.
Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)

TEST REPORT
Ambient Air Quality Monitoring

Test Report No: **EKO/63/290822** Issue Date: **16/08/2022**

Issued To: **Shree Cement Limited
Village - Ras
Taluk - Jambhoni
Dist - HPT
Rajasthan - 308147**

Sample Description: **Ambient Air**
Sample Drawn on: **25/08/2022 To 26/08/2022**
Sample Drawn by: **1 PEP, Mr. Mohan Yadav**
Sample Received on: **26/08/2022**
Sampling Location: **Plant Boundary Near Main Road**
Sampling Time: **24 x 7 hrs**
Sampling Plan & Procedure: **ISO 15693:2022 To ISO 9001:2015**
Analysis Duration: **25/08/2022 To 05/08/2022**
Ambient Temperature (°C): **33.0**
Average Flow Rate of Gas (m³/min): **1.0**
Average Flow Rate of Gas (m³/min): **1.0**
Weather Conditions: **Clear**
Remarks (if any): **Monitoring Photograph showing coordinate on site/stack structure**

S. No.	Parameters	Test Methods	Results	Units	Limit as per CPCB Notification, 15th Nov 2009
1	Particulate Matter (PM ₁₀)	IS 11725 (P-1)	18.3	µg/m³	100.0
2	Particulate Matter (PM _{2.5})	IS 11725 (P-2)	18.3	µg/m³	100.0
3	Sulphur Dioxide (SO ₂)	IS 11725 (P-3)	18.3	µg/m³	100.0
4	Nitrogen Dioxide (NO ₂)	IS 11725 (P-4)	18.3	µg/m³	100.0
5	Carbon Monoxide (CO)	IS 11725 (P-5)	18.3	µg/m³	100.0
6	Mercury (Hg)	IS 11725 (P-6)	18.3	µg/m³	100.0

Notes:
1. The results given above are related to the tested sample, for various parameters, as observed at the time of sampling.
2. This test report will not be generated again, unless written or in part, without prior written permission of the Laboratory.
3. The test samples will be disposed off after 15 days from the date of issue of test report, unless specified by the customer.
4. Responsibility of the Laboratory is limited to the enclosed amount only.
5. End of Report

For EKO PRO ENGINEERS PVT. LTD.
Puneeth Chandra
Technical Manager
(Authorized Signatory)

EKO PRO
EKO PRO ENGINEERS PVT. LTD.
Environmental Consultants and Analytical Laboratory
Est. 2001 (2011 Limited Company)

TEST REPORT
Water Sample Analysis

Test Report No.: **2020/000001**
Sample No.: **2020/000001**

Client: **Shree Cement Limited**
Village: **...**
Tahsil: **...**
District: **...**

Sample Location: **...**
Sample Depth: **...**
Sampling Date: **...**
Sampling Time: **...**
Sampling Method: **...**
Analysis Duration: **...**

Analysis Results:

S. No.	Parameters	Test Methods	Results	Units	Limit as per CPCB (2015)
1	Temperature	IS 3025 (P-1)	28.5	°C	35.0
2	pH	IS 3025 (P-2)	7.5	-	6.5-8.5
3	Dissolved Oxygen	IS 3025 (P-3)	8.5	mg/L	5.0
4	Total Dissolved Solids (TDS)	IS 3025 (P-4)	150	mg/L	500
5	Total Suspended Solids (TSS)	IS 3025 (P-5)	10	mg/L	100
6	Calcium Hardness	IS 3025 (P-6)	120	mg/L	500
7	Magnesium Hardness	IS 3025 (P-7)	10	mg/L	500
8	Total Hardness	IS 3025 (P-8)	130	mg/L	500
9	Chloride	IS 3025 (P-9)	10	mg/L	250
10	Sulfate	IS 3025 (P-10)	10	mg/L	250
11	Nitrate	IS 3025 (P-11)	10	mg/L	45
12	Ammonia Nitrogen	IS 3025 (P-12)	0.5	mg/L	1.0
13	Nitrite Nitrogen	IS 3025 (P-13)	0.1	mg/L	0.1
14	Phosphate	IS 3025 (P-14)	0.1	mg/L	0.1
15	Iron	IS 3025 (P-15)	0.1	mg/L	0.3
16	Copper	IS 3025 (P-16)	0.01	mg/L	0.05
17	Zinc	IS 3025 (P-17)	0.01	mg/L	0.05
18	Lead	IS 3025 (P-18)	0.01	mg/L	0.05
19	Cadmium	IS 3025 (P-19)	0.001	mg/L	0.01
20	Barium	IS 3025 (P-20)	0.01	mg/L	0.05
21	Selenium	IS 3025 (P-21)	0.01	mg/L	0.05
22	Fluoride	IS 3025 (P-22)	0.1	mg/L	1.0
23	Boron	IS 3025 (P-23)	0.01	mg/L	0.05
24	Manganese	IS 3025 (P-24)	0.01	mg/L	0.05
25	Cobalt	IS 3025 (P-25)	0.01	mg/L	0.05
26	Nickel	IS 3025 (P-26)	0.01	mg/L	0.05
27	Chromium	IS 3025 (P-27)	0.01	mg/L	0.05
28	Molybdenum	IS 3025 (P-28)	0.01	mg/L	0.05
29	Vanadium	IS 3025 (P-29)	0.01	mg/L	0.05
30	Antimony	IS 3025 (P-30)	0.01	mg/L	0.05
31	Thallium	IS 3025 (P-31)	0.01	mg/L	0.05
32	Strontium	IS 3025 (P-32)	0.01	mg/L	0.05
33	Yttrium	IS 3025 (P-33)	0.01	mg/L	0.05
34	Zirconium	IS 3025 (P-34)	0.01	mg/L	0.05
35	Barium	IS 3025 (P-35)	0.01	mg/L	0.05
36	Lead	IS 3025 (P-36)	0.01	mg/L	0.05
37	Cadmium	IS 3025 (P-37)	0.001	mg/L	0.01
38	Chromium	IS 3025 (P-38)	0.01	mg/L	0.05
39	Copper	IS 3025 (P-39)	0.01	mg/L	0.05
40	Zinc	IS 3025 (P-40)	0.01	mg/L	0.05
41	Iron	IS 3025 (P-41)	0.01	mg/L	0.05
42	Nickel	IS 3025 (P-42)	0.01	mg/L	0.05
43	Manganese	IS 3025 (P-43)	0.01	mg/L	0.05
44	Vanadium	IS 3025 (P-44)	0.01	mg/L	0.05
45	Selenium	IS 3025 (P-45)	0.01	mg/L	0.05
46	Fluoride	IS 3025 (P-46)	0.01	mg/L	0.05
47	Boron	IS 3025 (P-47)	0.01	mg/L	0.05
48	Strontium	IS 3025 (P-48)	0.01	mg/L	0.05
49	Yttrium	IS 3025 (P-49)	0.01	mg/L	0.05
50	Zirconium	IS 3025 (P-50)	0.01	mg/L	0.05

For EKO PRO ENGINEERS PVT. LTD.
Environmental Consultants and Analytical Laboratory
Est. 2001 (2011 Limited Company)

EKO PRO
EKO PRO ENGINEERS PVT. LTD.
Environmental Consultants and Analytical Laboratory
Est. 2001 (2011 Limited Company)

TEST REPORT
Water Sample Analysis

Test Report No.: **2020/000002**
Sample No.: **2020/000002**

Client: **Shree Cement Limited**
Village: **...**
Tahsil: **...**
District: **...**

Sample Location: **...**
Sample Depth: **...**
Sampling Date: **...**
Sampling Time: **...**
Sampling Method: **...**
Analysis Duration: **...**

Analysis Results:

S. No.	Parameters	Test Methods	Results	Units	Limit as per CPCB (2015)
1	Temperature	IS 3025 (P-1)	28.5	°C	35.0
2	pH	IS 3025 (P-2)	7.5	-	6.5-8.5
3	Dissolved Oxygen	IS 3025 (P-3)	8.5	mg/L	5.0
4	Total Dissolved Solids (TDS)	IS 3025 (P-4)	150	mg/L	500
5	Total Suspended Solids (TSS)	IS 3025 (P-5)	10	mg/L	100
6	Calcium Hardness	IS 3025 (P-6)	120	mg/L	500
7	Magnesium Hardness	IS 3025 (P-7)	10	mg/L	500
8	Total Hardness	IS 3025 (P-8)	130	mg/L	500
9	Chloride	IS 3025 (P-9)	10	mg/L	250
10	Sulfate	IS 3025 (P-10)	10	mg/L	250
11	Nitrate	IS 3025 (P-11)	10	mg/L	45
12	Ammonia Nitrogen	IS 3025 (P-12)	0.5	mg/L	1.0
13	Nitrite Nitrogen	IS 3025 (P-13)	0.1	mg/L	0.1
14	Phosphate	IS 3025 (P-14)	0.1	mg/L	0.1
15	Iron	IS 3025 (P-15)	0.1	mg/L	0.3
16	Copper	IS 3025 (P-16)	0.01	mg/L	0.05
17	Zinc	IS 3025 (P-17)	0.01	mg/L	0.05
18	Lead	IS 3025 (P-18)	0.01	mg/L	0.05
19	Cadmium	IS 3025 (P-19)	0.001	mg/L	0.01
20	Barium	IS 3025 (P-20)	0.01	mg/L	0.05
21	Selenium	IS 3025 (P-21)	0.01	mg/L	0.05
22	Fluoride	IS 3025 (P-22)	0.1	mg/L	1.0
23	Boron	IS 3025 (P-23)	0.01	mg/L	0.05
24	Manganese	IS 3025 (P-24)	0.01	mg/L	0.05
25	Cobalt	IS 3025 (P-25)	0.01	mg/L	0.05
26	Nickel	IS 3025 (P-26)	0.01	mg/L	0.05
27	Chromium	IS 3025 (P-27)	0.01	mg/L	0.05
28	Molybdenum	IS 3025 (P-28)	0.01	mg/L	0.05
29	Vanadium	IS 3025 (P-29)	0.01	mg/L	0.05
30	Antimony	IS 3025 (P-30)	0.01	mg/L	0.05
31	Thallium	IS 3025 (P-31)	0.01	mg/L	0.05
32	Strontium	IS 3025 (P-32)	0.01	mg/L	0.05
33	Yttrium	IS 3025 (P-33)	0.01	mg/L	0.05
34	Zirconium	IS 3025 (P-34)	0.01	mg/L	0.05
35	Barium	IS 3025 (P-35)	0.01	mg/L	0.05
36	Lead	IS 3025 (P-36)	0.01	mg/L	0.05
37	Cadmium	IS 3025 (P-37)	0.001	mg/L	0.01
38	Chromium	IS 3025 (P-38)	0.01	mg/L	0.05
39	Copper	IS 3025 (P-39)	0.01	mg/L	0.05
40	Zinc	IS 3025 (P-40)	0.01	mg/L	0.05
41	Iron	IS 3025 (P-41)	0.01	mg/L	0.05
42	Nickel	IS 3025 (P-42)	0.01	mg/L	0.05
43	Manganese	IS 3025 (P-43)	0.01	mg/L	0.05
44	Vanadium	IS 3025 (P-44)	0.01	mg/L	0.05
45	Selenium	IS 3025 (P-45)	0.01	mg/L	0.05
46	Fluoride	IS 3025 (P-46)	0.01	mg/L	0.05
47	Boron	IS 3025 (P-47)	0.01	mg/L	0.05
48	Strontium	IS 3025 (P-48)	0.01	mg/L	0.05
49	Yttrium	IS 3025 (P-49)	0.01	mg/L	0.05
50	Zirconium	IS 3025 (P-50)	0.01	mg/L	0.05

For EKO PRO ENGINEERS PVT. LTD.
Environmental Consultants and Analytical Laboratory
Est. 2001 (2011 Limited Company)

EKO PRO
EKO PRO ENGINEERS PVT. LTD.
Environmental Consultants and Analytical Laboratory
Est. 2001 (2011 Limited Company)

TEST REPORT
Ambient Air Quality Monitoring

Test Report No.: **2020/000003**
Sample No.: **2020/000003**

Client: **Shree Cement Limited**
Village: **...**
Tahsil: **...**
District: **...**

Sample Location: **...**
Sample Depth: **...**
Sampling Date: **...**
Sampling Time: **...**
Sampling Method: **...**
Analysis Duration: **...**

Analysis Results:

S. No.	Parameters	Test Methods	Results	Units	Limit as per CPCB (2015)
1	Particulate Matter (PM10)	IS 3025 (P-1)	150	µg/m³	450
2	Particulate Matter (PM2.5)	IS 3025 (P-2)	75	µg/m³	150
3	Sulfur Dioxide (SO2)	IS 3025 (P-3)	10	µg/m³	80
4	Nitrogen Dioxide (NO2)	IS 3025 (P-4)	10	µg/m³	80
5	Carbon Monoxide (CO)	IS 3025 (P-5)	10	ppm	10
6	Ozone (O3)	IS 3025 (P-6)	10	ppm	10
7	Ammonia (NH3)	IS 3025 (P-7)	10	ppm	10
8	Hydrogen Sulfide (H2S)	IS 3025 (P-8)	10	ppm	10
9	Lead (Pb)	IS 3025 (P-9)	0.01	µg/m³	0.05
10	Cadmium (Cd)	IS 3025 (P-10)	0.001	µg/m³	0.01
11	Chromium (Cr)	IS 3025 (P-11)	0.01	µg/m³	0.05
12	Copper (Cu)	IS 3025 (P-12)	0.01	µg/m³	0.05
13	Zinc (Zn)	IS 3025 (P-13)	0.01	µg/m³	0.05
14	Iron (Fe)	IS 3025 (P-14)	0.01	µg/m³	0.05
15	Nickel (Ni)	IS 3025 (P-15)	0.01	µg/m³	0.05
16	Manganese (Mn)	IS 3025 (P-16)	0.01	µg/m³	0.05
17	Vanadium (V)	IS 3025 (P-17)	0.01	µg/m³	0.05
18	Selenium (Se)	IS 3025 (P-18)	0.01	µg/m³	0.05
19	Fluoride (F)	IS 3025 (P-19)	0.01	µg/m³	0.05
20	Boron (B)	IS 3025 (P-20)	0.01	µg/m³	0.05
21	Strontium (Sr)	IS 3025 (P-21)	0.01	µg/m³	0.05
22	Yttrium (Y)	IS 3025 (P-22)	0.01	µg/m³	0.05
23	Zirconium (Zr)	IS 3025 (P-23)	0.01	µg/m³	0.05
24	Barium (Ba)	IS 3025 (P-24)	0.01	µg/m³	0.05
25	Lead (Pb)	IS 3025 (P-25)	0.01	µg/m³	0.05
26	Cadmium (Cd)	IS 3025 (P-26)	0.001	µg/m³	0.01
27	Chromium (Cr)	IS 3025 (P-27)	0.01	µg/m³	0.05
28	Copper (Cu)	IS 3025 (P-28)	0.01	µg/m³	0.05
29	Zinc (Zn)	IS 3025 (P-29)	0.01	µg/m³	0.05
30	Iron (Fe)	IS 3025 (P-30)	0.01	µg/m³	0.05
31	Nickel (Ni)	IS 3025 (P-31)	0.01	µg/m³	0.05
32	Manganese (Mn)	IS 3025 (P-32)	0.01	µg/m³	0.05
33	Vanadium (V)	IS 3025 (P-33)	0.01	µg/m³	0.05
34	Selenium (Se)	IS 3025 (P-34)	0.01	µg/m³	0.05
35	Fluoride (F)	IS 3025 (P-35)	0.01	µg/m³	0.05
36	Boron (B)	IS 3025 (P-36)	0.01	µg/m³	0.05
37	Strontium (Sr)	IS 3025 (P-37)	0.01	µg/m³	0.05
38	Yttrium (Y)	IS 3025 (P-38)	0.01	µg/m³	0.05
39	Zirconium (Zr)	IS 3025 (P-39)	0.01	µg/m³	0.05
40	Barium (Ba)	IS 3025 (P-40)	0.01	µg/m³	0.05

For EKO PRO ENGINEERS PVT. LTD.
Environmental Consultants and Analytical Laboratory
Est. 2001 (2011 Limited Company)

EKO PRO
EKO PRO ENGINEERS PVT. LTD.
Environmental Consultants and Analytical Laboratory
Est. 2001 (2011 Limited Company)

TEST REPORT
Effluent Sample Analysis

Test Report No.: **2020/000004**
Sample No.: **2020/000004**

Client: **Shree Cement Limited**
Village: **...**
Tahsil: **...**
District: **...**

Sample Location: **...**
Sample Depth: **...**
Sampling Date: **...**
Sampling Time: **...**
Sampling Method: **...**
Analysis Duration: **...**

Analysis Results:

S. No.	Parameters	Test Methods	Results	Units	Limit as per CPCB (2015)
1	Temperature	IS 3025 (P-1)	28.5	°C	35.0
2	pH	IS 3025 (P-2)	7.5	-	6.5-8.5
3	Dissolved Oxygen	IS 3025 (P-3)	8.5	mg/L	5.0
4	Total Dissolved Solids (TDS)	IS 3025 (P-4)	150	mg/L	500
5	Total Suspended Solids (TSS)	IS 3025 (P-5)	10	mg/L	100
6	Calcium Hardness	IS 3025 (P-6)	120	mg/L	500
7	Magnesium Hardness	IS 3025 (P-7)	10	mg/L	500
8	Total Hardness	IS 3025 (P-8)	130	mg/L	500
9	Chloride	IS 3025 (P-9)	10	mg/L	250
10	Sulfate	IS 3025 (P-10)	10	mg/L	250
11	Nitrate	IS 3025 (P-11)	10	mg/L	45
12	Ammonia Nitrogen	IS 3025 (P-12)	0.5	mg/L	1.0
13	Nitrite Nitrogen	IS 3025 (P-13)	0.1	mg/L	0.1
14	Phosphate	IS 3025 (P-14)	0.1	mg/L	0.1
15	Iron	IS 3025 (P-15)	0.1	mg/L	0.3
16	Copper	IS 3025 (P-16)	0.01	mg/L	0.05
17	Zinc	IS 3025 (P-17)	0.01	mg/L	0.05
18	Lead	IS 3025 (P-18)	0.01	mg/L	0.05
19	Cadmium	IS 3025 (P-19)	0.001	mg/L	0.01
20	Barium	IS 3025 (P-20)	0.01	mg/L	0.05
21	Selenium	IS 3025 (P-21)	0.01	mg/L	0.05
22	Fluoride	IS 3025 (P-22)	0.1	mg/L	1.0
23	Boron	IS 3025 (P-23)	0.01	mg/L	0.05
24	Manganese	IS 3025 (P-24)	0.01	mg/L	0.05
25	Cobalt	IS 3025 (P-25)	0.01	mg/L	0.05
26	Nickel	IS 3025 (P-26)	0.01	mg/L	0.05
27	Chromium	IS 3025 (P-27)	0.01	mg/L	0.05
28	Molybdenum	IS 3025 (P-28)	0.01	mg/L	0.05
29	Vanadium	IS 3025 (P-29)	0.01	mg/L	0.05
30	Antimony	IS 3025 (P-30)	0.01	mg/L	0.05
31	Thallium	IS 3025 (P-31)	0.01	mg/L	0.05
32	Strontium	IS 3025 (P-32)	0.01	mg/L	0.05
33	Yttrium	IS 3025 (P-33)	0.01	mg/L	0.05
34	Zirconium	IS 3025 (P-34)	0.01	mg/L	0.05
35	Barium	IS 3025 (P-35)	0.01	mg/L	0.05
36	Lead	IS 3025 (P-36)	0.01	mg/L	0.05
37	Cadmium	IS 3025 (P-37)	0.001	mg/L	0.01
38	Chromium	IS 3025 (P-38)	0.01	mg/L	0.05
39	Copper	IS 3025 (P-39			

(xiii)	The project proponent shall take all precautionary measures for conservation and protection of wild fauna found in the study area. A Wildlife Conservation Plan specific to this project site shall be prepared in consultation with the State Forest and Wildlife Department. A copy of the Conservation plan shall be submitted to the Ministry and its Regional Office.	As per certified list of Fauna received from DFO Pali, there is no Schedule – I species in the study area, hence no conservation plan required.
(xiv)	The project proponent will also provide the latest status of the environmental compliances in respect of its existing plant.	<ul style="list-style-type: none"> This status includes the status of all plants/ activities in the premise in the existing plant complying with all stipulated condition made under EC vide letter no. J-11011/343/2012-IA-II(I) dated: 07th November 2017. & amendment EC letter no. J-11011/343/2012-IA-II(I) dated 29th May 2018.
(xv)	Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land by the use of conveyors/ rail mode of transport wherever feasible. The company shall have separate truck parking area. Vehicular emission shall be regularly monitored.	<p>Following measures have been taken for the control of emissions due to transportation:</p> <ul style="list-style-type: none"> Cement and clinker are being transported in covered vehicles. Fly ash is being transported in the closed containers and bulkers. All vehicles used in transportation are loaded as per the approved capacity. Vehicles with valid PUC are allowed only. Rail transportation has been adopted along with road to reduce impact. Earmarked cemented truck parking (sufficient) provided and sweeping of the same are being done by vacuum sweeping machine regularly.
(xvi)	Efforts shall be made to further reduce water consumption by using air cooled condensers. All the treated wastewater shall be recycled and reused in the process and/or for the dust suppression and green belt development and other plant related activities etc. No process wastewater shall be discharged outside the factory premises and 'zero' discharge shall be adopted.	<p>Cement manufacturing process is based on dry process technology & following stapes initiated to reduce water consumption:</p> <ul style="list-style-type: none"> All boilers of Captive Power Plant (CPP) & WHRS have been provided air cooled condensers. RO reject from CPP & WHRS is being used for synthetic gypsum manufacturing unit established within the plant premises. Most of the underground water pipelines are converted to overhead pipelines. Separate Water Management Cell is constituted to monitor water utilization. Domestic sewage generated from office & guest house toilets is being treated in STP and the treated water is being used for plantation and greenbelt development. 'Zero' liquid discharge has been adopted. Digital water flow meters with telemetry system have been installed at all water withdrawal sources.

		<ul style="list-style-type: none"> Annual third party water audit (CGWA certified auditors) is being carried out. AWLR/ DWLR with telemetry system have been installed. 															
(xvii)	Efforts shall be made to use rain water harvested. If needed, capacity of the reservoir shall be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.	<ul style="list-style-type: none"> To harvest rain water, collection pits have been developed at the following locations to use for plant & mining activities and to recharge the ground water. <table border="1"> <thead> <tr> <th>S. No</th><th>Structure</th><th>Water storage Capacity in KL</th></tr> </thead> <tbody> <tr> <td>1</td><td>Harvesting Pit-1 at Mines</td><td>1375000</td></tr> <tr> <td>2</td><td>Harvesting Pit-2 at Mines</td><td>40000</td></tr> <tr> <td>3</td><td>Harvesting Pit-3 near plant gate</td><td>147000</td></tr> <tr> <td>4</td><td>Harvesting Pit-4 in Colony near Village Bhagatpura</td><td>40000</td></tr> </tbody> </table> Collected water is also being used for plant/ mine operations. Rest of water requirement is fulfilled from the ground water. 	S. No	Structure	Water storage Capacity in KL	1	Harvesting Pit-1 at Mines	1375000	2	Harvesting Pit-2 at Mines	40000	3	Harvesting Pit-3 near plant gate	147000	4	Harvesting Pit-4 in Colony near Village Bhagatpura	40000
S. No	Structure	Water storage Capacity in KL															
1	Harvesting Pit-1 at Mines	1375000															
2	Harvesting Pit-2 at Mines	40000															
3	Harvesting Pit-3 near plant gate	147000															
4	Harvesting Pit-4 in Colony near Village Bhagatpura	40000															
(xviii)	Regular monitoring of influent and effluent surface, sub-surface and ground water shall be ensured and treated wastewater shall meet the norms prescribed by the State Pollution Control Board or described under the Environment (Protection) Act, 1986.	<ul style="list-style-type: none"> There is no industrial effluent discharge on land or outside of the plant premises. Sewage generated from office, canteen/ mess and guest house toilets is being treated in STP, and treated water is being used for plantation & greenbelt development. Analysis report of STP treated water & Photograph of STP are enclosed. Ground water level and quality monitoring is being carried out on regular basis, results and ground water quality reports are enclosed as below. 															

STP Operating in Plant premises and Colony Premises



STP Treated Water Analysis Report

Parameter	Norms	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22
Total Suspended Solids	100 mg/l	52	69	54	66	38	70
pH*	5.5-9.0	6.87	7.88	8.10	7.27	7.41	7.10
Oil & Grease**	10 mg/l	2.1	3.1	2.9	4.4	1.4	2.6
Total Residual Chlorine	1.0 mg/l	0.2	0.5	0.1	0.4	0.3	0.6
Amonical Nitrogen (as N)	50 mg/l	10	7	6	11	8	15
BOD (3days 27°C)	30 mg/l	18	21	19	18	13	23
Sulphide (as S)	2.0mg/l	0.2	0.1	0.17	0.11	0.16	0.1
Chlorides	1000 mg/l	120	89	154	165	134	145
COD	250 mg/l	166	185	119	189	117	128

Ground water level Location					
S. No.	Month	B/W Near Old Mines Office (Within Plant Area) North Side Mtr (BGL)	O/W Jassa Nath Ji Ki Mandi (Outside plant Area) East Side Mtr (BGL)	Open Well # 9 Stacker & re-claimer area West side Mtr (BGL)	Open Well # 2 Near mess area South side Mtr (BGL)
1	Pre-Monsoon (May-22)	18.12	19.06	7.48	18.38
2	Post-Monsoon (Nov-22)	17.84	18.23	6.14	17.96

Ground water Quality reports

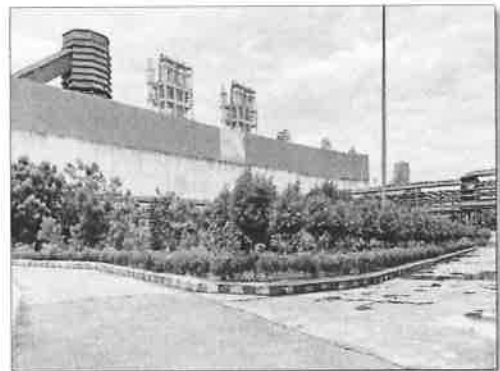
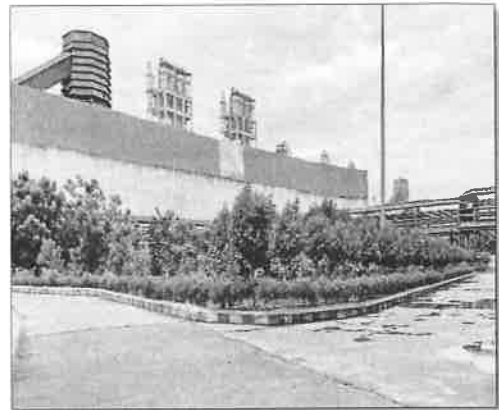
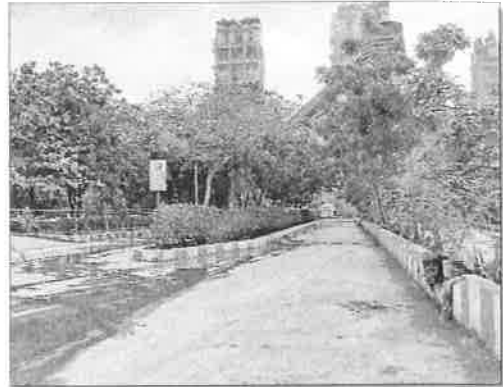
	Parameters ↓	Standards	Bore well No 1	Bore well No 2	Bore well No 3	Bore well No 3B	Bore well No 24	Bore well No 24B	Bore well No 24A
1	pH	6.5 - 8.5	7.25	7.36	7.46	7.36	7.46	7.14	7.25
2	Total Hardness mg/l (as CaCO ₃)	600 mg/l	520	500	409	482	480	491	475
3	Iron (as Fe) mg/l	1.00 mg/l	0.015	<0.005	<0.005	0.017	<0.005	<0.005	<0.005
4	Chlorides (as Cl ₂) mg/l	1000 mg/l	250.6	230.5	152.9	232.6	372.7	362.4	350.1
5	Fluoride (as F) mg/l	<1.5 mg/l	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
6	Total Dissolved Solids (mg/l)	2000 mg/l	940	702	724	828	819	904	878
7	Total suspended Solids (mg/l)	---	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
8	Calcium (as Ca) mg/l	200 mg/l	124.65	119.84	98.2	115.83	115.03	117.84	113.38
9	Manganese (as Mn) mg/l	0.3 mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
10	Sulphate (as SO ₄) mg/l	400 mg/l	155.4	124.9	139.2	130.9	103.2	121.5	131.5
11	Nitrate (as NO ₃) mg/l	45 mg/l	15.3	6.82	7.82	7.89	15.6	10.5	12.3
12	Magnesium (as Mg) mg/l	100 mg/l	50.8	48.8	39.8	46.9	46.9	47.9	46.4
13	Mercury (as Hg) mg/l	0.001 mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
14	Arsenic (as As) mg/l	0.01 mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
15	Total Alkalinity (as CaCO ₃) mg/l	600 mg/l	335	320	280	260	321	306	278

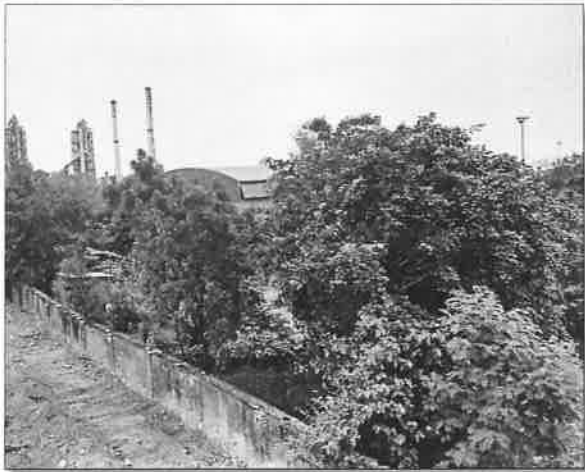
	Parameter s ↓	Standards	Open well No 1	Open well No 2	Open well No 3	Open well No 5	Open well No 9	Open well No 13	Open well No 14
1	pH	6.5 - 8.5	7.25	7.45	7.11	7.45	7.56	7.23	7.40
2	Total Hardness mg/l (as CaCO ₃)	600 mg/l	520	445	452	442	516	442	491
3	Iron (as Fe) mg/l	1.00 mg/l	0.015	0.067	0.078	0.071	0.074	0.065	0.080
4	Chlorides (as Cl-) mg/l	1000 g/l	250.6	218.6	198.6	202.8	225.9	165.9	242.6
5	Fluoride (as F) mg/l	<1.5 mg/l	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
6	Total Dissolved Solids (mg/l)	2000 mg/l	940	798	866	750	920	810	871
7	Total suspended Solids (mg/l)	-----	<5.0	7.6	8.2	7.8	7.9	6.7	9.5
8	Calcium (as Ca) mg/l	200 mg/l	124.65	106.61	108.62	106.20	123.85	106.21	117.84
9	Manganese (as Mn) mg/l	0.3 mg/l	<0.005	0.018	0.014	0.014	0.016	0.016	0.020
10	Sulphate (as SO ₄) mg/l	400 mg/l	155.4	127.6	121	129.2	136.5	136.4	159.2
11	Nitrate (as NO ₃) mg/l	45 mg/l	15.3	10.4	7.36	5.28	8.51	10.5	9.69
12	Magnesium (as Mg) mg/l	100 mg/l	50.8	43.5	44	43	50.3	43	47.9
13	Mercury (as Hg) mg/l	0.001 mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
14	Arsenic (as As) mg/l	0.01 mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
15	Total Alkalinity (as CaCO ₃) mg/l	600 mg/l	335	316	286	280	310	255	319

	Parameters ↓	Standards	Open well No 18	Open well No 19	Open well No 20	Bore well No C-1	Bore well No C-2	Bore well No C-3
1	pH	6.5 - 8.5	7.54	7.38	7.12	7.30	7.50	7.16
2	Total Hardness mg/l (as CaCO ₃)	600 mg/l	523	410	420	455	453	375.4
3	Iron (as Fe) mg/l	1.00 mg/l	0.092	0.071	0.081	<0.005	0.011	<0.005
4	Chlorides (as Cl.) mg/l	1 00 mg/l	244.6	209.8	220.8	310.2	368.9	323.6
5	Fluoride (as F) mg/l	<1.5 mg/l	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
6	Total Dissolved Solids (mg/l)	2000 mg/l	895	782	790	869	875	782
7	Total suspended Solids (mg/l)	-----	9.0	7.0	8.0	<5.0	<5.0	<5.0
8	Calcium (as Ca) mg/l	200 mg/l	125.45	98.6	100.6	109.02	108.62	90.18
9	Manganese (as Mg) mg/l	0.3 mg/l	0.019	0.024	0.015	<0.005	<0.005	<0.005
10	Sulphate (as SO ₄) mg/l	400 mg/l	152.6	180	128.2	149.6	175.2	154.6
11	Nitrate (as NO ₃) mg/l	45 mg/l	6.43	7.18	7.14	11.3	11.3	8.69
12	Magnesium (as Mn) mg/l	100 mg/l	51	39.8	41.1	44.5	44.2	36.5
13	Mercury (as Hg) mg/l	0.001 mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
14	Arsenic (as As) mg/l	0.01 mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
15	Total Alkalinity (as CaCO ₃) mg/l	600 mg/l	356	305	304	311	316	327

(xix)	All the bag filter dust, raw mill dust, coal dust, clinker dust and cement dust from pollution control devices shall be recycled and reused in the process and used for cement manufacturing. Spent oil and batteries shall be sold to authorize recyclers/ re-processors only.	<ul style="list-style-type: none"> Dust collected in air pollution control equipment (Bag house/ Bag filters/ WHRS/ ESPs) is being recycled & reused in process and further used for cement manufacturing. Used lead acid batteries are sold to authorized recycler/ preprocessors /buy back. Used oil generated from entire complex is being processed in kilns and sold to authorize recyclers.
(xx)	The kiln shall be provided with a flexible fuel feeding system to enable use of hazardous wastes and other wastes including biomass, etc.	<ul style="list-style-type: none"> Flexible fuel feeding system to utilize hazardous waste, Biomass & other waste /fuel is provided. Various hazardous wastes such as paint sludge, ETP sludge, phosphate sludge, oily rags etc. are being utilized. Separate AFR cell is constituted for management and utilization of Hazardous and non – hazardous wastes.
(xxi)	The proponent shall examine and prepare a plan for utilization of high calorific wastes such as chemical wastes, distillation residues, refuge derived fuels, etc. as alternate fuels based on availability and composition. For this, the proponent shall identify suitable industries with such wastes and enter into an MOU for long-term utilization of such wastes as per the Environment (Protection) Rules, 1986 and with necessary approvals.	<ul style="list-style-type: none"> We have in-house CSIR recognized R&D and AFR Cell for utilization of alternate raw material and fuels. Lead Zinc slag of Hindustan Zinc Limited and other solid wastes are being used as alternative raw material in place of iron ore. CPCB & RSPCB permissions have been obtained for the HW/ waste materials are used as AFR.
(xxii)	Efforts shall be made to use the high calorific hazardous waste in the cement kiln and necessary provision shall be made accordingly. The PP shall enter into an MOU with units with potential for generating hazardous waste and in accordance with Hazardous Waste Regulations and prior approval of the MPPCB.	Complying with, detailed status is given in point no XXI.
(xxiii)	Green belt over 33% of the total project area shall be developed within plant premises with at least 10-meter-wide green belt on all sides along the periphery of the project area and along road sides etc. by planting native and broad leaved species in consultation with local DFO, local community and as per the CPCB guidelines. Plantation at all the neighboring villages should be done along the road and in free areas.	<ul style="list-style-type: none"> 3 layers plantation has been provide along with boundary wall. Out of total plant area of 187.56 hectare, green belt has been developed in 63.8 hectares (34%) area with 165511 numbers of saplings. Local native species viz. <i>Neem</i>, <i>Karanj</i>, <i>paltfarm</i>, <i>acacia species</i>, <i>dak</i>, <i>Gulmohar</i> etc. is planted. Photographs are attached as below.

Photographs showing Plantation in Plant Premises







Photographs showing Plantation in Residential Township



(xxiv)	The project proponent shall provide for solar light system for all common areas, street lights, villages, parking around project area and maintain the same regularly.	Solar lights are provided.
(xxv)	The project proponent shall provide for LED lights in their offices and residential areas.	<ul style="list-style-type: none"> • LED lights with occupancy sensor provided in offices. • LED lights provided in plant as well as in Bhagatpura residential township.
(xxvi)	All the recommendations made in the charter on Corporate Responsibility for Environment Protection (CREP) for the Cement plants shall be implemented	All CREP recommendations have been implemented. Detailed CREP compliance status is attached as below.

S.No.	Corporate Responsibility for Environmental Protection (CREP)	Compliance to CREP
1	Cement Plants, which are not complying with notified standards, shall do the following to meet the standards; <ul style="list-style-type: none"> • Augmentation of existing Air Pollution Control Devices-by July 2003 • Replacement of existing Air Pollution Control Devices-by July 2004 	Complying with the new emission standards for PM, SO ₂ & NO _x notified by MOEF&CC as per G.S.R 612 (E) dated 25.08.2014
2	Cement Plants located in critically polluted or urban areas (including 5 km distance outside urban boundary) will meet 100 mg/Nm ³ limit or particulate matter by December 2004 and continue working to reduce the emission of particulate matter to 50 mg/Nm ³ .	Not applicable-Our cement plant is not located in critically polluted or urban areas.
3	The new cement kilns to be accorded NOC/Environmental Clearance w.e.f 01.04.2003 will meet the limit of 30 mg/Nm ³ by particulate matter emissions.	All Pollution Control equipment are meeting the particulate matter emission level < 30 mg/Nm ³ .
4	CPCB will evolve load based standards by December 2003.	Not applicable.
5	CPCB and NCBM will evolve SO ₂ and NO _x emission standards by June 2004.	Not applicable to this project as the unit is a Clinker Grinding Unit.
6	The cement industries will control fugitive emissions from all the raw material and products storage and transfer points by December 2003. However, the feasibility for control of fugitive emissions from limestone and coal storage areas will be decided by the National Task Force (NTF). The NTF shall submit its recommendations within three months.	<p>CPCB Environmental Guidelines for Prevention and Control of Fugitive emissions are being followed by Cement Plant.</p> <p>Covered storages / silos have been provided for Clinker, Fly Ash, Gypsum and Cement storage.</p> <p>Closed unloading hoppers with water spraying arrangement have been provided for unloading of limestone and coal & pet coke.</p> <p>Bag filters have been provided at all material transfer points.</p> <ul style="list-style-type: none"> • All transfer points and storage silos are provided with dust extraction system for effective control of fugitive dust emissions. • The dust collected from the pollution control equipment is being recycled back into the process. • Covered sheds and silos constructed for raw materials. • All raw material transfer conveyor is covered. • Truck mounted vacuum cleaner and road sweeper are deployed and good housekeeping is being maintain for controlling secondary fugitive dust emissions. • All conveyor belts are covered. • All movement area is cemented and sweeping is being done by vacuum sweeping machine. • Circular stock piles have been provided for covered storage for coal and pet coke.

7	CPCB, NCBM, BIS and Oil refineries will jointly prepare the policy on use of petroleum cokes as fuel in cement kiln by July 2003.	Not applicable.
8	After performance evaluation of various types of continuous monitoring equipment and feedback from the industries and equipment manufacturers, NTF will decide feasible unit operations/ sections for installation of continuous monitoring equipment. The industry will install the continuous monitoring systems (CMS) by December 2003	Continuous emission monitoring system (CEMS) is installed at all the stacks for measure emission levels and data is being continuously uploading to CPCB and RSPCB Server.
9	Tripping in kiln ESP to be minimized by July 2003 as per the recommendations of NTF.	Conditions of ESP tripping has been minimized as per given recommendations of NTF.
10	Industries will submit the target date to enhance the utilization of waste material by April 2003.	Applicable CPCB & RSPCB permissions have been obtained for use of waste material in cement kilns. <ul style="list-style-type: none"> • Fly ash, pond ash is being utilized in cement manufacturing process. • Hazardous waste i.e. paint sludge, phosphate sludge, CETP sludge, oily rags, used, waste mix solid and waste mix liquids, oil etc. are Co-processing in cement kiln as AFR. • Spent acid being utilized for manufacturing of synthetic gypsum.
11	NCBM will carry out a study on hazardous waste utilization in cement kiln by December 2003.	CPCB & RSPCB permissions have been obtained for use of paint sludge, ETP sludge and phosphate sludge of automobile industries, CETP Sludge of Pali, Chemical Gypsum, Tyre chips, Solid mix waste and liquid mix waste, oil soaked cotton and grinding waste, Oily rags etc. for utilization as AFR.
12	Cement industries will carry out feasibility study and submit target dates to CPCB for co-generation of power by July 2003.	WHR systems are installed in all the units.

(xxvii)	<p>At least 2.5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues, locals need and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office. Implementation of such program shall be ensured by constituting a Committee comprising of the proponent, representatives of village Panchayat and District Administration. Action taken report in this regard shall be submitted to the Ministry's Regional Office.</p>	<p>CSR plan for next 5 year has been submitted on 29/11/2017.</p> <p>Company is engaged in extensive social welfare works under CSR activities. Total expenses on social welfare activities for the year 2021-2022 was INR 434.78 lac for all units of cement, power and mining.</p>
(xxviii)	<p>The proponent shall prepare a detailed CSR Plan for every year for the next 5 years for the existing-cum-expansion project, which includes village-wise, sector-wise(Health, Education, Sanitation, Health, Skill Development and infrastructure requirements such as strengthening of village roads, avenue plantation, etc.) activities in consultation with the local communities and administration. The plan so prepared shall be based on SMART (Specific, Measurable, Relevant and Time bound) concept. The expenditure should be aimed at sustainable development and direct free distribution and temporary relief should not be included. The CSR Plan will include the amount of 2% retain annual profits as provided for in Clause 135 of the Companies Act, 2013 which provides for 2% of the average net profits of previous 3 years towards CSR activities for life of the project. A separate budget head shall be created and the annual capital and revenue expenditure on various activities of the Plan shall be submitted as part of the Compliance Report to RO. The details of the CSR Plan shall also be uploaded on the company website and shall also be provided in the Annual Report of the company.</p>	<ul style="list-style-type: none"> • CSR plan for next 5 year has been submitted on 29/11/2017. • Company has constituted separate CSR cell with experts from the field of social, civil, IT, education, medical, environment etc. • The dedicated team regularly visits the nearby communities and identifies the various needs and programs are developed for implementation of the same. • Regular internal and external audits are carried out to further improve the CSR programs in the nearby communities. • Every year the CSR budget is prepared and inventory of the expenditure is being maintained. • Some photographs of activates under CSR is given below.

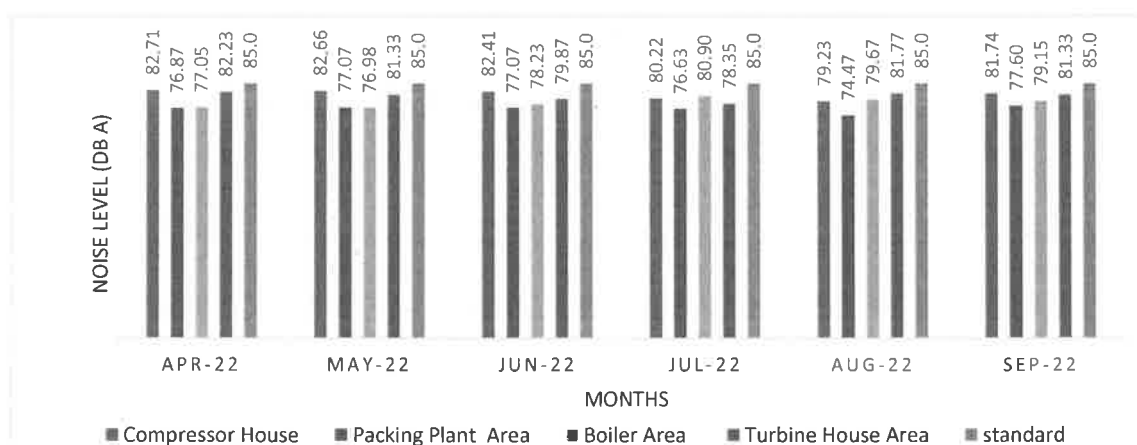
Photograph of CSR Activities

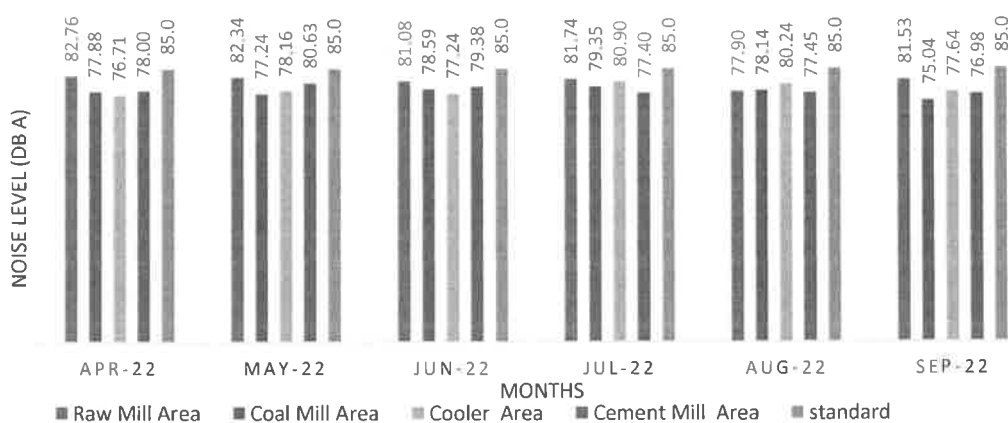


(xxix)	A Risk Assessment Study and Disaster Preparedness and Management Plan along with the mitigation measures shall be prepared with a focus of the Disaster Prevention and a copy submitted to the Ministry's Regional Office, SPCB and CPCB within 3 months of issue of environment clearance letter.	Disaster management plan submitted vide Letter dt. 29/11/2017.
(xxx)	To educate the workers, all the work place where dust may cause a hazard shall be clearly indicated as a dust exposure area through the use of display signs which identifies the hazard and the associated health effects.	<ul style="list-style-type: none"> • Training programs being organized for workers on regular basis. • Sign boards have been displayed at all health associated risk area. • Adequate PPE's such as ear muffs/ ear plugs, helmet, dust mask and shoes have been provided to workers. • All necessary facilities such as toilets, drinking water, medical health, fuel etc. has been provided to construction labors.
(xxxi)	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	<ul style="list-style-type: none"> • Facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, cretches etc. have been provided to construction labors. • Temporary housing facility for construction labour has been provided.
(xxxii)	Required permission for withdrawal from the ground water resources shall be obtained from the CGWA for the total requirement of 3500 m ³ /day of water.	<ul style="list-style-type: none"> • CGWA NOC for ground water withdrawal of 3055 KLD obtained.
B.	General Conditions	Compliances
(i)	The project authorities must strictly adhere to the stipulations made by the Rajasthan Pollution Control Board and the State Government.	Complying with all the stipulation made by the RSPCB and state govt.
(ii)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	For further expansion, prior approval will be obtained from MoEF&CC.

(iii)	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM ₁₀ , PM _{2.5} , SO ₂ and NO _x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Lucknow and the SPCB/CPCB once in six months.	<ul style="list-style-type: none"> Ambient air quality is being monitored at four locations inside the plant boundary near main-gate, near mess, near stacker & reclaimer and towards village Khera and Jawangarh. Complying with the National Ambient Air Quality Emission Standards issued by the Ministry. Stack emission levels are maintained within the stipulated norms. Six monthly compliance reports are being submitted on regular basis to the Ministry of RO office of the MOEF/ CPCB and RPCB.
(iv)	Industrial wastewater shall be properly collected, 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.	<ul style="list-style-type: none"> No effluent is being generated from the dry cement manufacturing process. RO reject water generated from captive power plant is being utilized in synthetic gypsum manufacturing and ash quenching. Domestic sewage generated from office, mess and guest house toilet is being treated, and treated water is used for plantation & greenbelt development.
(v)	The overall noise level in and around the plant area shall be kept well within the standards 85 dB(A) during night time.	<ul style="list-style-type: none"> Overall noise level in and around the plant area is within the prescribed standards of 85 dB (A). Reports are enclosed as below.

Work zone Noise Monitoring Results





- (vi) Occupational health surveillance of the workers shall be done on regular basis and records maintained as annexure per the Factories Act.
- Well-equipped Occupational Health Management Center has been established.
 - Occupational Health Surveillance programmes are being carried out on regular basis and record of the same is maintained as per Factories Act.
 - Health Checkup is being carried out regularly. In the F.Y 2021-2022 total 902 person medical checkup done, out of which 540 are the permanent employee and remaining 362 are comes from workers staff.

- (vii) The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
- Rain water collection pits have been developed at the following locations to use for plant & mining activities and to recharge the ground water

Sr. No	Structure	Water storage Capacity in KL
1.	Harvesting Pit-1 at Mines	1375000
2	Harvesting Pit-2 at Mines	40000
3	Harvesting Pit-3 near plant gate	147000
4	Harvesting Pit-4 in Colony near Vill. Bhagatpura	40000

- Following rain water harvesting measures have been developed outside the plant premises.

S. No.	Watershed development & Construction of Anicut
Year 2015-2016	
1.	Construction of anicut in Roopnagar(Ras) village
Year 2010-2011	
1	Construction of anicut in Bhagatpura village
2	Construction of anicut in Bhimgarh village
3	Construction of anicut in Kanyakhedi village
4	Rooftop water harvesting in 12 schools
5	Construction of Rapat (Nimbeti to Jawangarh village)
Year 2009-2010	
6	Watershed development project for all villages
7	Small check dam/Anicut, Village Nimbeti
8	Construction of anicut in Nimbeti river
9	Construction of anicut in Kheda Village
10	Construction of anicut in Bhimgarh Village
11	Pal construction at Anicut Nimbeti river
Year 2008-2009	
12	Construction/Repairing of anicut in Nimbeti village
13	Jawangarh Anicut
14	Bhairav Ji Dhani Anicut Jawangarh Anicut

- Artificial recharge structures (de-silting & filter pits) have been provided with dug wells and bore wells inside the plant premises to recharge the ground water.
- After year 2016, artificial rain water recharge structures were constructed outside plant premises i.e.
 - 04 no's of Nadi were constructed in Bhimgarh, Butiwas, Kundal and Bhagatpura villages.
 - 04 nos. of west wears were constructed near Roopnagar village.
 - 03 nos. CCT (Continuous Contour Trenched) were constructed near Mohangarh, Kotadiya and Bakhtawarpura.
 - 10 nos. MPT (Multi Percolating Tanks) were constructed near Kukri village.

(viii)	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/ EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	Complying with EIA/ EMP study report.																			
(ix)	Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change (MoEF& CC) as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Lucknow. The funds so provided shall not be diverted of any other purpose.	<ul style="list-style-type: none">All the pollution control measures have been implemented.The last three years recurring cost (excluding electricity charge) for the environment pollution control is given as below- <table><tr><th rowspan="2">Description</th><th>2019</th><th>2020</th><th>2021</th></tr><tr><th>2020</th><th>2021</th><th>2022</th></tr><tr><td>Plant</td><td>1196.85 Lacs</td><td>1193.20 Lacs</td><td>1490.49 Lacs</td></tr><tr><td>Mines</td><td>305.58 Lacs</td><td>304.47 Lacs</td><td>290.52 Lacs</td></tr><tr><td>Total</td><td>1502.41 Lacs</td><td>1494.67 Lacs</td><td>1781.02 Lacs</td></tr></table>	Description	2019	2020	2021	2020	2021	2022	Plant	1196.85 Lacs	1193.20 Lacs	1490.49 Lacs	Mines	305.58 Lacs	304.47 Lacs	290.52 Lacs	Total	1502.41 Lacs	1494.67 Lacs	1781.02 Lacs
Description	2019	2020		2021																	
	2020	2021	2022																		
Plant	1196.85 Lacs	1193.20 Lacs	1490.49 Lacs																		
Mines	305.58 Lacs	304.47 Lacs	290.52 Lacs																		
Total	1502.41 Lacs	1494.67 Lacs	1781.02 Lacs																		
(x)	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any, from whom, suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	<ul style="list-style-type: none">Copy of environment clearance letter has been sent on 08/11/2017 to the followings:- (copy of same submitted to the MoEF&CC on 29/11/2017)<ul style="list-style-type: none">Gram Panchayat, RasGram Panchayat, ButiwasNagar Palika, JaitaranZila Parishad, PaliSDM, PaliEC letter has been placed on our website:- www.shreecement.in																			
(xi)	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MoEF&CC at Lucknow. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM ₁₀ , SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectorial parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	<ul style="list-style-type: none">Compliance status of environment clearance (EC) conditions, including results of monitored data is available on company's website and same is being updated periodically.Ambient air quality and stack emission monitoring are being carried out regularly. Monitoring results submitted to the RSPCB, CPCB and MOEF&CC IRO, Jaipur regularly as part of various compliance reports.																			

(xii)	<p>The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB. The Regional office of this Ministry at Lucknow/ CPCB/ SPCB shall monitor the stipulated conditions.</p>	<ul style="list-style-type: none"> Compliance status of environment clearance (EC) conditions, including results of monitored data is being submitted periodically to the Ministry of Environment and Forests, its IRO, Jaipur, Central Pollution Control Board and State Pollution Control Board. Last six monthly compliance report is being submitted on 24.05.2022 vide letter No.- SCL/RAS/MoEF & CC/2021-22/3087.
(xiii)	<p>The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of the MoEF&CC at Lucknow by e-mail.</p>	<ul style="list-style-type: none"> Unit wise environment statements (Form – V) are being submitted to the concerned authorities well with in stipulated time. Last environment statement is being submitted on 10.09.2022. Environment Statement (Form – V) have been uploaded on the website:- www.shreecement.in
(xiv)	<p>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 SPCB and may also be seen at the Website of the Ministry of Environment, Forests and Climate Change 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.</p>	<ul style="list-style-type: none"> Advertisement has been given in two local newspapers widely circulated in the region namely, Rajasthan Patrika and Dainik Navjyoti on 11/11/2017.

(xv)	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.	<ul style="list-style-type: none">The date of commissioning of various units is given as below: <table border="1"><thead><tr><th>Particulars</th><th>Commission year</th></tr></thead><tbody><tr><td>Cement plant Unit-III</td><td>2005</td></tr><tr><td>Cement plant Unit-IV</td><td>2007</td></tr><tr><td>Clinker Unit-V</td><td>2007</td></tr><tr><td>Clinker Unit-VI</td><td>2008</td></tr><tr><td>Clinker Unit-VII</td><td>2009</td></tr><tr><td>Clinker Unit-VIII</td><td>2010</td></tr><tr><td>Clinker Unit-IX</td><td>2013</td></tr><tr><td>Clinker Unit-X</td><td>2014</td></tr><tr><td>Ras New Cement Unit</td><td>2014</td></tr><tr><td>CPP 80 MW</td><td>2007</td></tr><tr><td>CPP 100 MW</td><td>2010</td></tr><tr><td>Waste heat recovery power plant</td><td>2010</td></tr><tr><td>Synthetic Gypsum Plant</td><td>2015</td></tr><tr><td>Nimbeti Limestone mine</td><td>1997</td></tr></tbody></table>	Particulars	Commission year	Cement plant Unit-III	2005	Cement plant Unit-IV	2007	Clinker Unit-V	2007	Clinker Unit-VI	2008	Clinker Unit-VII	2009	Clinker Unit-VIII	2010	Clinker Unit-IX	2013	Clinker Unit-X	2014	Ras New Cement Unit	2014	CPP 80 MW	2007	CPP 100 MW	2010	Waste heat recovery power plant	2010	Synthetic Gypsum Plant	2015	Nimbeti Limestone mine	1997
Particulars	Commission year																															
Cement plant Unit-III	2005																															
Cement plant Unit-IV	2007																															
Clinker Unit-V	2007																															
Clinker Unit-VI	2008																															
Clinker Unit-VII	2009																															
Clinker Unit-VIII	2010																															
Clinker Unit-IX	2013																															
Clinker Unit-X	2014																															
Ras New Cement Unit	2014																															
CPP 80 MW	2007																															
CPP 100 MW	2010																															
Waste heat recovery power plant	2010																															
Synthetic Gypsum Plant	2015																															
Nimbeti Limestone mine	1997																															

Special Condition w.r.t office memorandum vide file no F. No. IA3-22/8/2021-1A.III [150512] dated 18.07.2022

(i)	All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by MoEF&CC on 12/08/2021.	Photographs showing sanitization among the nearby villagers, schools to create awareness in coordination with RSPCB Pali, Team to ban on single use plastic are enclosed as below.
-----	--	--

Single use Plastic Awareness Program

