



SHREE CEMENT LIMITED

(UNIT-SHREE RAIPUR CEMENT PLANT)

Village: Khaparadih, Tehsil: Simga, Distt. Baloda Bazar-Bhatapara (C.G) Pin: 493332,

Ph.:07727-203101, CIN No. : L26943RJ1979PLC001935



SRCP/ENV/2022-23/130

Date: - 26.11.2022

To,
Deputy Director General of Forests (C),
Integrated Regional Office
Ministry of Environment Forest & Climate Change,
Aranya Bhawan, North Block, Sector-19,
Naya Raipur, Atal Nagar, Chhattisgarh.

Sub:- Submission of Half Yearly compliance status condition of Environmental Clearance for our Shree Raipur Cement Plant (A unit of Shree Cement Limited) for the capacity of 2*2.6 to 3*4.5 Million TPA Clinker, 2*3.0 to 3*5.5 million TPA Cement, 30 to 100 MW Waste Heat Recovery Power Plant, 25 to 125 MW Captive Power Plant along with Synthetic Gypsum Unit (65 TPH) and DG Sets [2000 KVA (size 1000/500/250/125)] located at Village Khaparadih, Tehsil – Simga, District – Balodabazar - Bhatapara (Chhattisgarh) for the period from April - 2022 to September - 2022.

Ref: - Environment Clearance Letter No. J-11011/235/2008- IA II(I) dated 11th September 2019.

Dear Sir,

With reference to the above subject, we are submitting herewith Six Monthly Environment Clearance (EC) compliance report for the period from April - 2022 to September - 2022 for our Shree Raipur Cement Plant (A unit of Shree Cement Limited) located at Village Khaparadih, Tehsil – Simga, District – Balodabazar – Bhatapara.

Submitted for your kind information and record please.

Thanking you

Yours faithfully
For Shree Raipur Cement Plant
(A unit of Shree Cement Ltd.)


I.V. Mahesh
Asst. Vice President

Encl.- As above.

CC to: -

1. The In charge (Zonal Office), Central Pollution Control Board (CPCB), Parivesh Bhawan, Paryavaran Parisar E-5, Arera Colony, Bhopal-462016
2. The Member Secretary, Chhattisgarh Environment Conservation Board, Paryavas Bhavan, North Block, Sector-19 Nawa Raipur, Atal Nagar (C.G).
3. The Regional Officer, Chhattisgarh Environment Conservation Board, Commercial Complex, Chhattisgarh Housing Board Colony, Kabir Nagar, Raipur (C.G.) – 492099

SIX MONTHLY COMPLIANCE REPORT OF ENVIRONMENT CLEARANCE (EC)

For

Shree Raipur Cement Plant (A unit of Shree Cement Limited)

At

**Village - Khapradih, Tehsil - Simga,
District – Balodabazar - Bhatapara (Chhattisgarh)**

Submitted to:

**Integrated Regional Office, Raipur
Ministry of Environment, Forests & Climate Change,
Central Pollution Control Board, Bhopal &
Chhattisgarh Environment Conservation Board, Raipur**



SHREE CEMENT LIMITED

by:

ENVIRONMENT MANAGEMENT DEPARTMENT

PERIOD: APRIL - 2022 – SEPTEMBER - 2022

Compliance Status of Environment Clearance

Name of Project:	Shree Raipur Cement Plant (A unit of Shree Cement Ltd)
Capacity:	2*2.6 to 3*4.5 Million TPA Clinker, 2*3.0 to 3*5.5 million TPA Cement, 30 to 100 MW Waste Heat Recovery Power Plant, 25 to 125 MW Captive Power Plant along with Synthetic Gypsum Unit (65 TPH) and DG Sets [2000 KVA (size 1000/500/250/125)]
Location:	Village Khapradih, Tehsil-Simga, Distt.- Balodabazar - Bhatapara (Chhattisgarh)
EC letter No.	J-11011/235/2008- IA II (I) dated 11 th September 2019.

Sr. No.	Conditions	Compliance status
A. Specific Conditions:		
i	The limestone for the project shall be sourced only from (i) Existing Captive Semradih & Bharuwadih Limestone (M.L Area - 531.126 ha) and (ii) Karhi Chandi Limestone Mine (ML area 242.127 ha) which are located adjacent to plant site. In case of any change in source of limestone, the project proponent shall obtain prior permission from MoEF&CC.	Being Complied. Limestone for the project is being sourced from our existing Semradih & Bharwadih Captive Limestone Mines (Mining Lease Area of 531.126 Ha.). Production of Limestone from Karhi- Chandi Captive Limestone Mines (Mining Lease Area of 225.719 Ha) is not yet started. Prior permission will be taken from MoEF&CC in case of any change in source of limestone.
ii	Project proponent shall conduct health studies in all the villages covered within a radius of 2km radius of the project site for assessment of prevalence of silicosis for once in six months.	Being complied

Sr. No	Conditions	Compliance status
iii	Railway siding shall be completed in a time frame of five years.	Being Complied. We have obtained "In Principal Approval" from the Sr. Divisional Operations Manager, SEC Railway, Raipur, Vide Letter No. Sr.DOM/R/PLG/SCL-GPFT/2021/111, dated: 07.04.2021. Currently excavation and track bed laying work in under progress. The Railway siding will be completed within 5 years. The Copy of Approval Letter is attached as Annexure-1 .



Correction-I



Divisional Office
South East Central Railway
Raipur - 492 008

Tel (0771) - 2252260 FAX : (0771-2252260)
Rly. 72260 (c/o) 72261 (Resd)
Email : p.c.ripathi@gov.in
Mobile : 9752877900
Date: 08.04.2021

Dr. Prakash Chandra Tripathi
Sr.Divl.Operations Manager(Co-ord)

No. Sr.DOM/R/PLG/ SCL-GPFT/2021/41

Add. GM,
M/s Shree Cement Ltd,
Bangur Nagar, Beawar,
Rajasthan.

Sub: 'In Principle Approval' (IPA) for the proposed construction of Green Field PFT by M/s Shree Cement Ltd. with take off from existing private siding of M/s Ultratech Cement Ltd. connected from HN station
Ref: This office letter no. Sr.DOM/R/PLG/ SCL-GPFT/2021/110 dated 07.04.2021

In reference to above mentioned letter 'In Principle Approval' (IPA) for the proposed construction of Green Field PFT by M/s Shree Cement Ltd. with take off from existing private siding of M/s Ultratech Cement Ltd. connected from HN station has been approved by competent authority of SEC Railway.

You are advised to submit the Detailed Project Report (DPR) along with Codal charges of the proposed estimated cost in the name of FA&CAO SEC Railway and get the detailed plan, estimate prepared and sanctioned. Railway dues and DPR must be deposited within the specified time frame as mentioned in Master Circular on PFT 2020/0 issued on dated 23.06.2020.

Please acknowledge the receipt.


Sr. Divl. Operations Manager
S.E.C. Railway Raipur.

Copy : 1. PS to DRM for kind information of DRM/R Please.
2. CTPM/SECR/BSP for kind information please.

Annexure-1:
"In Principal Approval" from the Sr. Divisional Operations Manager, SEC Railway, Raipur

Sr. No	Conditions	Compliance status
iv	CER related activities shall be completed within a time frame of three years.	Being Complied. CER related activities are being implemented.CER activities & expenditure details for the period from April 2022 to September 2022 is attached as Annexure-2 .

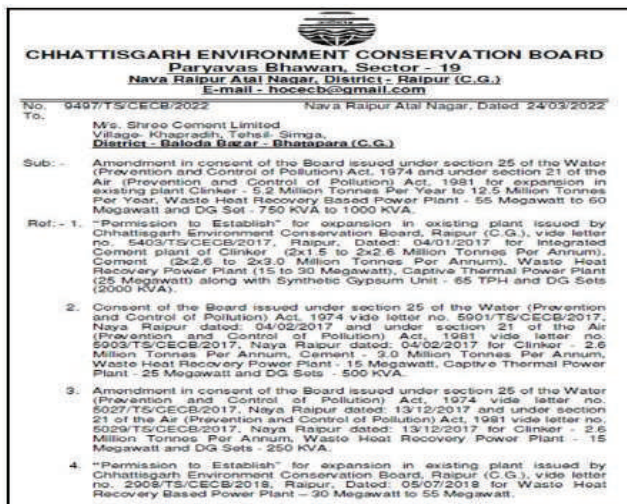
Annexure-2: Details of CER Expenses April 2022 to September 2022

Sr. No.	Area of CER	Expenditure (in Rs.)
1.	Construction of roads in village: 1. Bharuadih : 02 Kms. 2. Chandi : 03 Kms.	9,89,616 Construction of CC road in Bharuadih, Semaradih, Khapradih & Karhi Villages
2.	Construction of community center at village Khaparadih, Semaradih, Bharuadih, Chandi & Karhi : 05 Nos.	5,00,461 Construction of Rangmanch in Semaradih and Chandi and community center in Karhi
3.	Drinking water tank at village Lohari & Paunsari	5,20,695 Supply of drinking water through Tanker in Bharuadih & Khapradih and Extension of Water Pipeline for drinking purpose in Semaradih, Boring & installation of Pump for drinking water in Chandi
4.	Renovation of existing water ponds for rainwater recharge and plantation all around the boundary of pond at village Khaparadih, Semaradih, Bharuadih, Chandi & Karhi.	3,28,554 Beautification of Pond in Bharuadih village
	Total (Rs.)	23,39,326

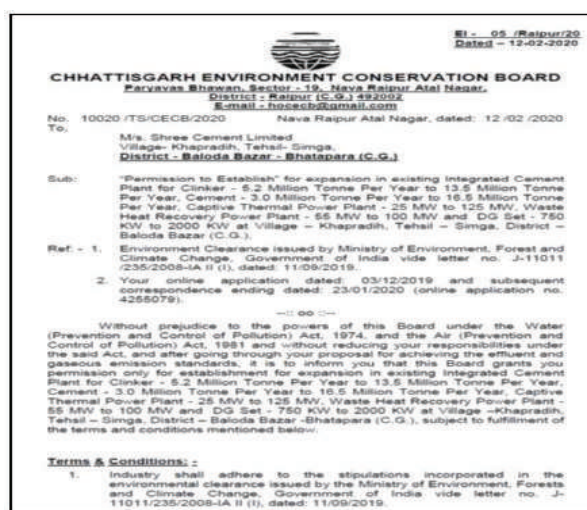
Sr. No.	Conditions	Compliance status
v	The project proponent shall reduce the abstraction of ground water by shifting the requirement to surface water and regular report shall be submitted to the Regional Office of the Ministry at the interval of six months.	We have reduced the use of ground water by using Surface water harvested at our existing mines pit for industrial & process water requirement, water for domestic use is being extracted from Ground water sources. Water abstraction report for the period from April 2022 to September 2022 is attached as Annexure-3 .

Annexure-3: Water Abstraction Report

Water Abstraction Report for the period from April 2022 to September 2022		
Month	Surface water - Mines Pit (KL)	Ground Water- Bore well (KL)
Apr-22	52,913	21,895
May-22	54,066	21,179
Jun-22	41,043	13,977
Jul-22	23,505	14,379
Aug-22	31,571	13,670
Sep-22	36,264	10,781
Total	2,39,360	95,881




Annexure-4: Copy of CTO



Annexure-5: Copy of CTE

B. General Conditions -		
I- Statutory compliance		
Sr. No	Conditions	Compliance status
i	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.	Being Complied. We have obtained Consent to Operate vide CECB letter no. 9497/TS/CECB/2022 Naya Raipur Atal Nagar, dated 24/03/2022, please refer Annexure- 4 . We have also obtained Consent to Establish for expansion project vide CECB letter No. 10020/TS/CECB/2020, Dated: 12.02.2020, please refer Annexure- 5 .

SRCP
 DCC Received On
 24/10/18
 Regional Director



भारत सरकार
 केन्द्रीय भूमि जल प्राधिकरण
 जल संसाधन, नदी विकास
 और गंगा संरक्षण मंत्रालय
 Government of India
 Central Ground Water Authority
 Ministry of Water Resources,
 River Development & Ganga Rejuvenation

CGWA/END/Proj/2018-332-R

No.21-4(36)/NCCR/CGWA/2008-2079
 Dated:- 24 OCT 2018

To
 M/s Shree Raipur Cement Plant
 Unit of Shree Cement Ltd.
 Village Khaparadih, Block Balodabazar,
 District Balodabazar-Bhatapara, Chhattisgarh - 493196

Sub- Renewal of NOC for ground water withdrawal to M/s Shree Raipur Cement Plant (Unit of Shree Cement Ltd.) in respect of their existing "Integrated Cement Plant, Clinker, Power Plant, Colony & Limestone Mines" located at Villages Khaparadih, Semaradih & Bharuadih, Block Simga & Balodabazar, District Balodabazar-Bhatapara, Chhattisgarh - reg.

Refer to your application dated 07/03/2018 on the above cited subject. Based on recommendations of Regional Director, Central Ground Water Board, North Central Chhattisgarh Region, Raipur vide their office letter No. No. 35-1/NCCR/CGWA/Vol.XI-015 dated 05/09/2018, and further deliberations on the subject, the renewal of NOC issued vide this office letter of even no dated 08/04/2018 is hereby accorded to **M/s Shree Raipur Cement Plant (Unit of Shree Cement Ltd.) in respect of their existing "Integrated Cement Plant, Clinker, Power Plant, Colony & Limestone Mines" located at Villages Khaparadih, Semaradih & Bharuadih, Block Simga & Balodabazar, District Balodabazar-Bhatapara, Chhattisgarh.** The renewed NOC is valid from 08/04/2018 to 07/04/2023 and subject to the following conditions:-


1. The firm may continue to abstract 3,000 cu.m/day (not exceeding 10,95,000 cu.m/year) of ground water and dewatering mine seepage on account of mining intersecting the water table through fifteen (15) existing bore wells only. No additional ground water abstraction structures shall be constructed for this purpose without prior approval of the CGWA.
2. All the wells shall be fitted with digital water flow meters by the firm at its own cost and monitoring of monthly ground water abstraction data of each well shall be recorded in a log book. Compliance to this condition shall be reported within one month from the date of issue of this letter.
3. **M/s Shree Raipur Cement Plant (Unit of Shree Cement Ltd.)**, shall, continue to implement ground water recharge measures to the tune of 6,00,000 m³/year for augmenting the ground water resources of the area. Firm shall also undertake periodic maintenance of recharge structures at its own cost.

18/11, Jamnagar House, Mansingh Road, New Delhi-110011
 Phone : (011) 23383561 Fax : 23382051, 23386743
 Website: www.cgwa.noc.gov.in
 जल संरक्षण का - जल संरक्षण का
 CONSERVE WATER - SAVE LIFE

Annexure-6: Copy of CGWA NOC

Sr. No.	Conditions	Compliance status
ii	The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.	Being Complied. We have obtained NOC from CGWA for withdrawal of 3000 KL/ Day ground water vide Letter No. 21-4(36)/NCCR/CGWA/2008-2079, Dated: - 24.10.2018, valid up to 07.04.2023. the copy of CGWA NOC, please refer Annexure-6 .

Sr. No.	Conditions	Compliance status
iii	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.	Being Complied. We have obtained authorization under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 vide Letter No. 11201/HSMD/HO/CECB/2021 dated – 18.03.2021 valid up to 03.02.2024. The copy of the same is attached as Annexure-7 .



CHHATTISGARH ENVIRONMENT CONSERVATION BOARD
PARYAVAS BHAWAN, NORTH BLOCK, SECTOR -19,
NAVA RAIPUR ATAL NAGAR, RAIPUR (C.G.) 492002
E-mail : hcecb@gmail.com, Ph. No. 0771-2512220

No. 11201/HSMD/HO/CECB/2021 Raipur, Date 18 / 03/2021

To: M/s Shree Raipur Cement Plant,
(A Unit of Shree Cement Limited),
Village- Khapradli, Tehsil - Singa,
Distt.- Balodabazar Bhatapara (C.G.)

Sub:- Third amendment of authorization under the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.

Ref :- 1. Grant of authorization letter no. 7883/HSMD/HO/CECB/2019 dated 27/02/2019.
2. Amendment of authorization letter no. 5850/HSMD/HO/CECB/2019 dated 03/10/2019.
3. Second amendment of authorization letter no. 11176/HSMD/HO/CECB/2019 dated 13/03/2020.
4. Your Online application no. 6910707 dated 29/01/2021 & Subsequent Correspondence ending dated 24/02/2021.

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Chhattisgarh Environment Conservation Board had granted an amendment in authorization under Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016 vide letter no. 11176/HSMD/HO/CECB/2019 dated 13/03/2020 for following hazardous waste, category and quantity subject to fulfillment of the terms and conditions mentioned therein. :-

Sr. No.	Category of Hazardous Waste as per the Schedules I, II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing etc.	Quantity (Tonnes/Annum)
1.	Furnace or reactor residue and debris (Schedule-I, Cat. No. 1.1)	Co-processing	1000 MT/Month
2.	Tarry residue and still bottoms from distillation (Schedule-I, Cat. No. 1.2)	-----do-----	1000 MT/Month
3.	City sludge emission (Schedule-I, Cat. No. 1.3)	-----do-----	1000 MT/Month
4.	Organic residues (Schedule-I, Cat. No. 1.4)	-----do-----	1000 MT/Month
5.	Residues from alkali wash of fuels (Schedule-I, Cat. No. 1.5)	-----do-----	1000 MT/Month

Annexure-7: Copy of Hazardous Waste Authorization

II. Air quality monitoring and preservation		
Sr. No.	Conditions	Compliance status
i	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 (G.S.R. No. 612 (E) dated 25th August, 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement) and 10th May, 2016 (Co-processing Cement); S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Being Complied. We have installed Continuous Emission Monitoring System at all stacks to monitor stack emission as per prescribed standards and data is being transmitted to both SPCB & CPCB servers. Calibration of installed Continuous Emission Monitoring System are also being done on regular basis. Please refer following photographs.

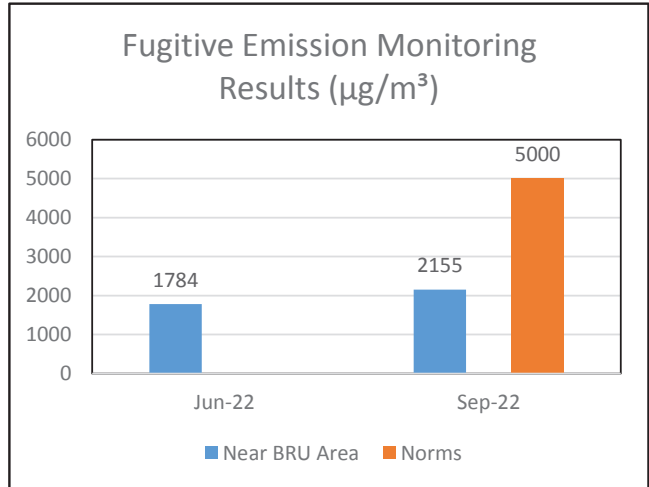
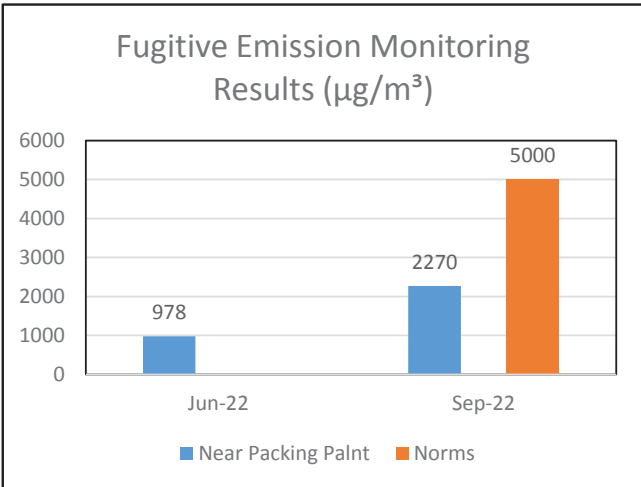


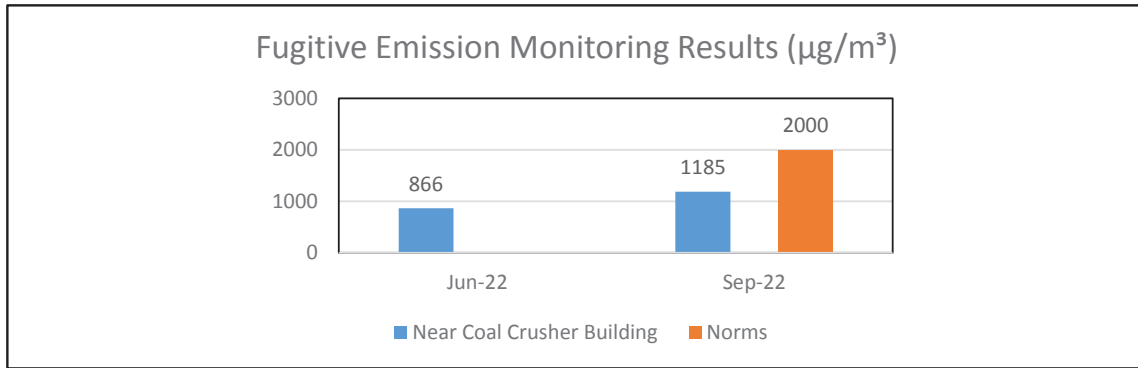
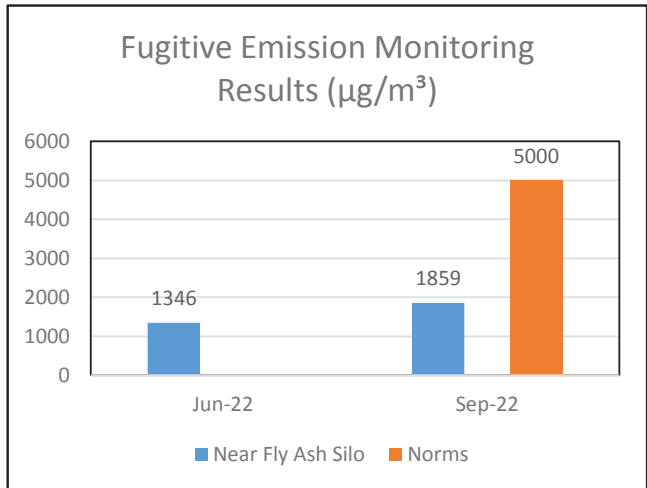
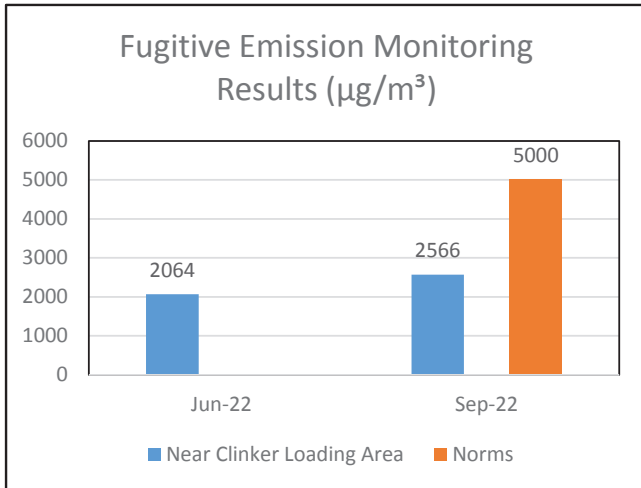


Photos showing CEMS installation

Sr. No	Conditions	Compliance status
ii	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.	Being Complied. Fugitive emission monitoring is being done in the plant premises on regular basis through labs recognized under Environment (Protection) Act, 1986. Fugitive Emission Monitoring Reports for the period April - 2022 to September- 2022 are attached herewith as Annexure-8 .

Annexure 8: Fugitive Emission Monitoring Results





Fugitive Emission Monitoring Results ($\mu\text{g}/\text{m}^3$)			
Location	Monitoring Period		
	Norms	June-22	Sep-22
Packing Plant	5000	978	2270
Coal Crusher Building	2000	866	1185
Near BRU Area	5000	1784	2155
Near Clinker Loading Area	5000	2064	2566
Near Fly Ash Silo	5000	1346	1859

Sr. No.	Conditions	Compliance status
iii	The project proponent shall install system carryout to Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM_{10} and $\text{PM}_{2.5}$ in reference to PM emission, and SO_2 and NO_x in reference to SO_2 and NO_x emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.	Being Complied. We have Installed 4 nos. of CAAQMS for the monitoring of the parameters PM_{10} , $\text{PM}_{2.5}$, SO_2 , NO_x & CO out of which two are installed within the plant premises and two CAAQMS stations are installed outside the plant area. Photographs of the same are attached.



Photo Showing CAAQMS- 1



Photo Showing CAAQMS- 2



Photo Showing CAAQMS- 3

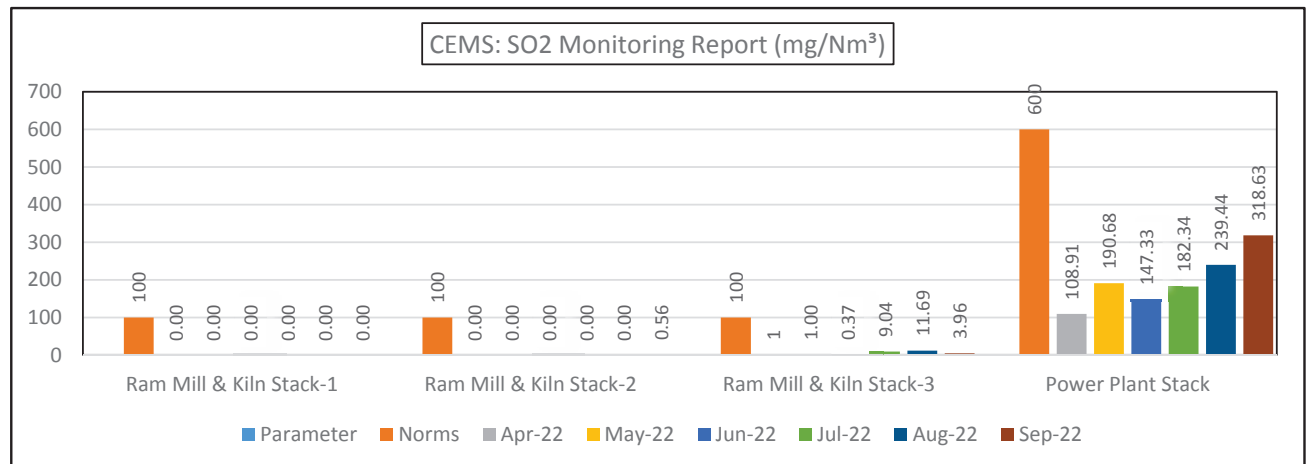
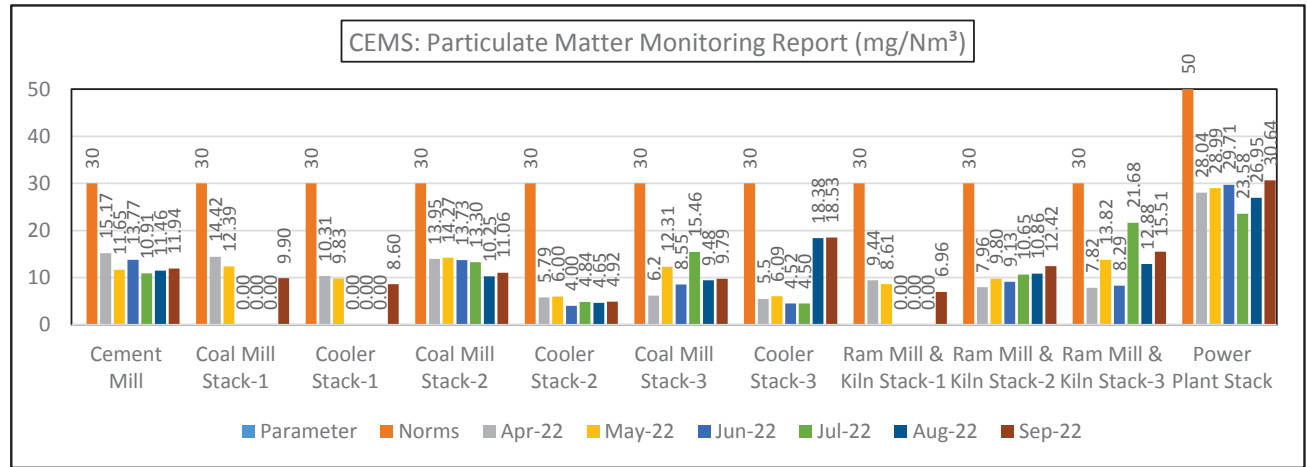


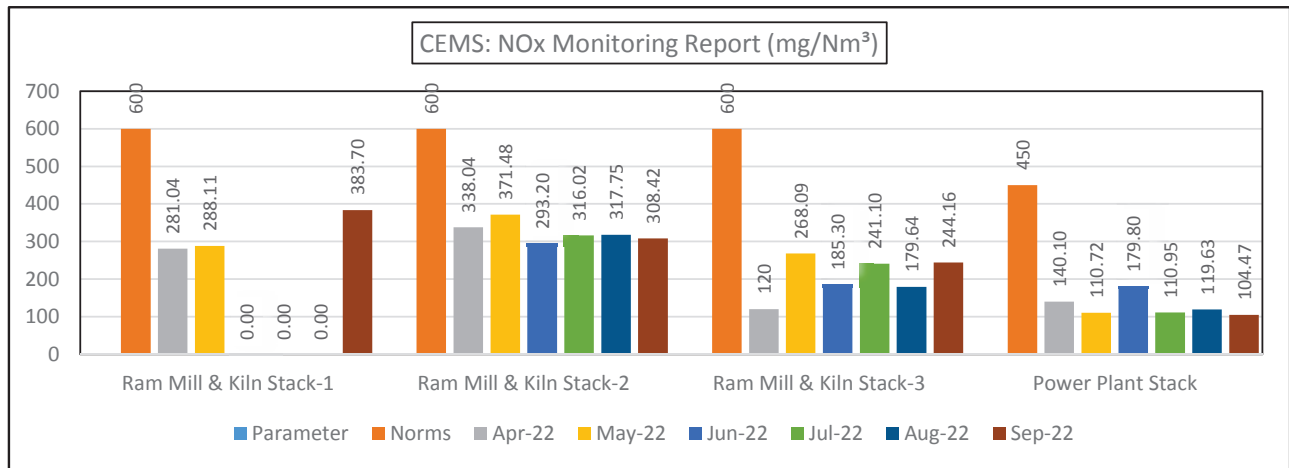
Photo Showing CAAQMS- 4

Sr. No.	Conditions	Compliance status
iv	The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.	Being Complied. Stack and ambient air quality monitoring data online as well as manual are being submitted along with six monthly compliance report. Monitoring reports are enclosed as Annexures 9 and 10.

Annexure 9: CEMS Stack Monitoring Report

Online CEMS Stack Monitoring Report (Monthly Average Values) (mg/Nm ³)								
Name of Stacks	Parameter	Norms	Monitoring Period					
			Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22
Cement Mill	PM	30	15.17	11.65	13.77	10.91	11.46	11.94
Coal Mill Stack-1	PM	30	14.42	12.39	Plant was shut down			9.90
Cooler Stack-1	PM	30	10.31	9.83	Plant was shut down			8.60
Coal Mill Stack-2	PM	30	13.95	14.27	13.73	13.30	10.25	11.06
Cooler Stack-2	PM	30	5.79	6.00	4.00	4.84	4.65	4.92
Coal Mill Stack-3	PM	30	6.2	12.31	8.55	15.46	9.48	9.79
Cooler Stack-3	PM	30	5.5	6.09	4.52	4.50	18.38	18.53
Ram Mill & Kiln Stack-1	PM	30	9.44	8.61	Plant was shut down			6.96
	SO ₂	100	0.00	0.00	Plant was shut down			0.00
	NO _x	600	281.04	288.11	Plant was shut down			383.70
Ram Mill & Kiln Stack-2	PM	30	7.96	9.80	9.13	10.65	10.86	12.42
	SO ₂	100	0.00	0.00	0.00	0.00	0.00	0.56
	NO _x	600	338.04	371.48	293.20	316.02	317.75	308.42
Ram Mill & Kiln Stack-3	PM	30	7.82	13.82	8.29	21.68	12.88	15.51
	SO ₂	100	1	1.00	0.37	9.04	11.69	3.96
	NO _x	600	120	268.09	185.30	241.10	179.64	244.16
Power Plant Stack	PM	50	28.04	28.99	29.71	23.58	26.95	30.64
	SO ₂	600	108.91	190.68	147.33	182.34	239.44	318.63
	NO _x	450	140.10	110.72	179.80	110.95	119.63	104.47

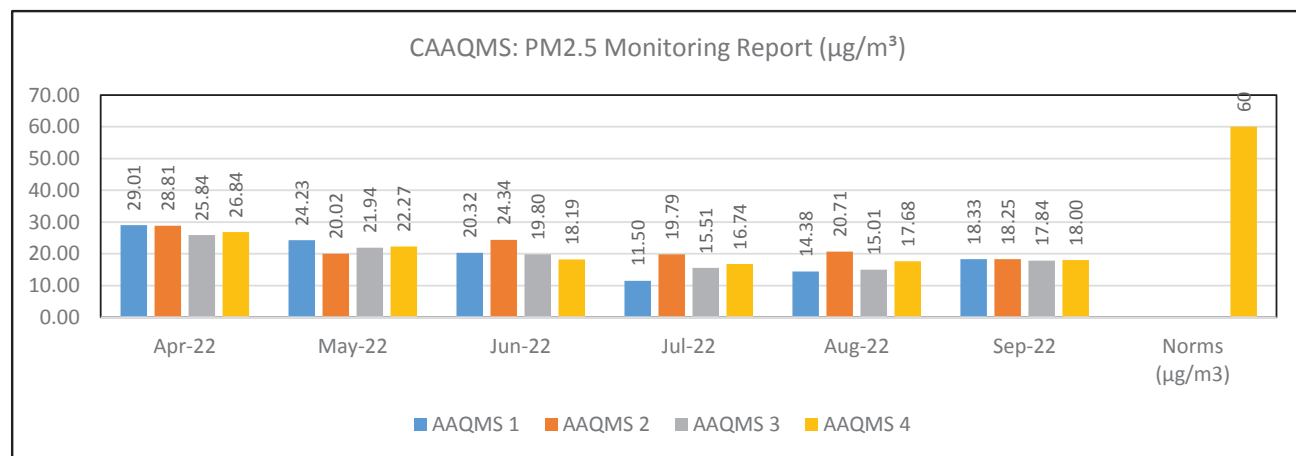
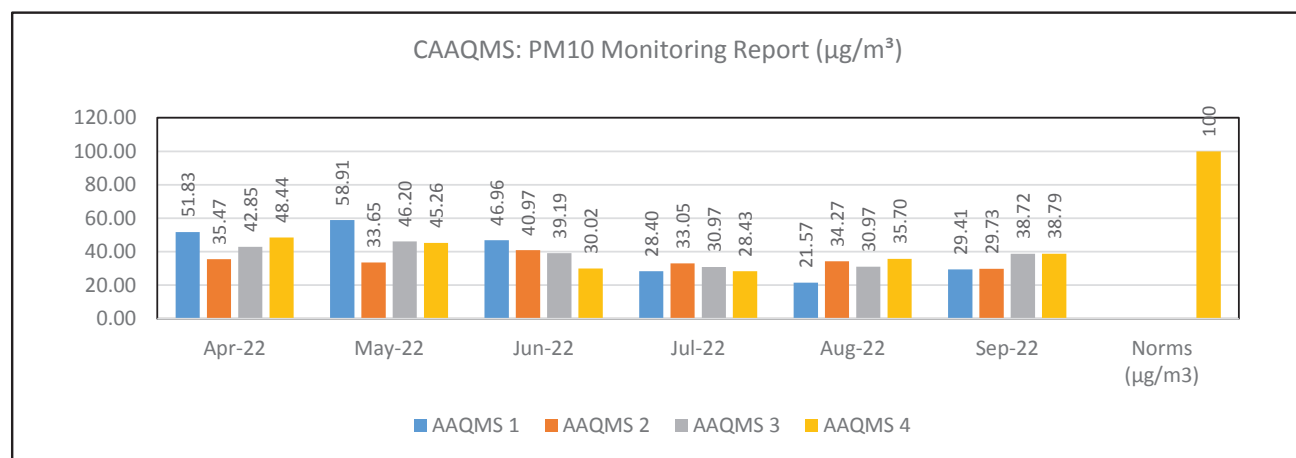


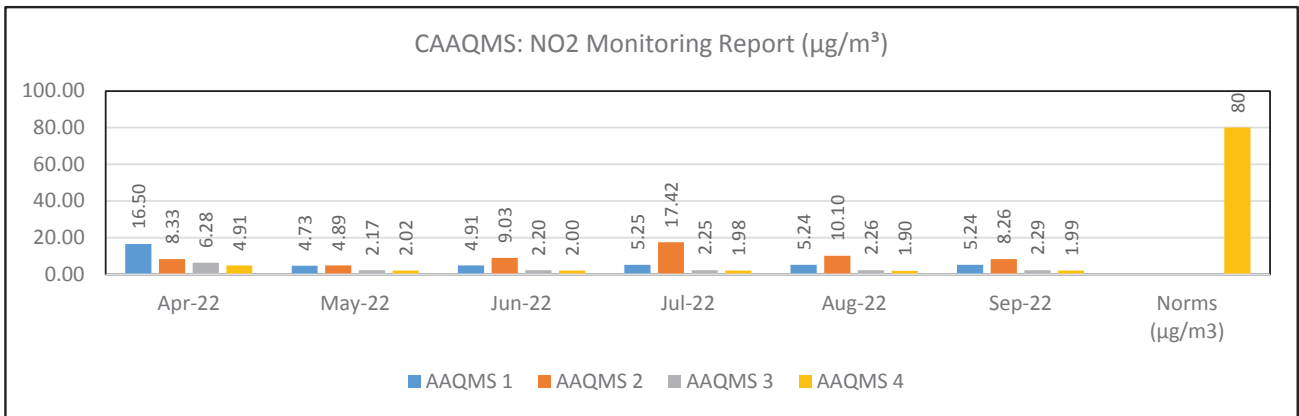
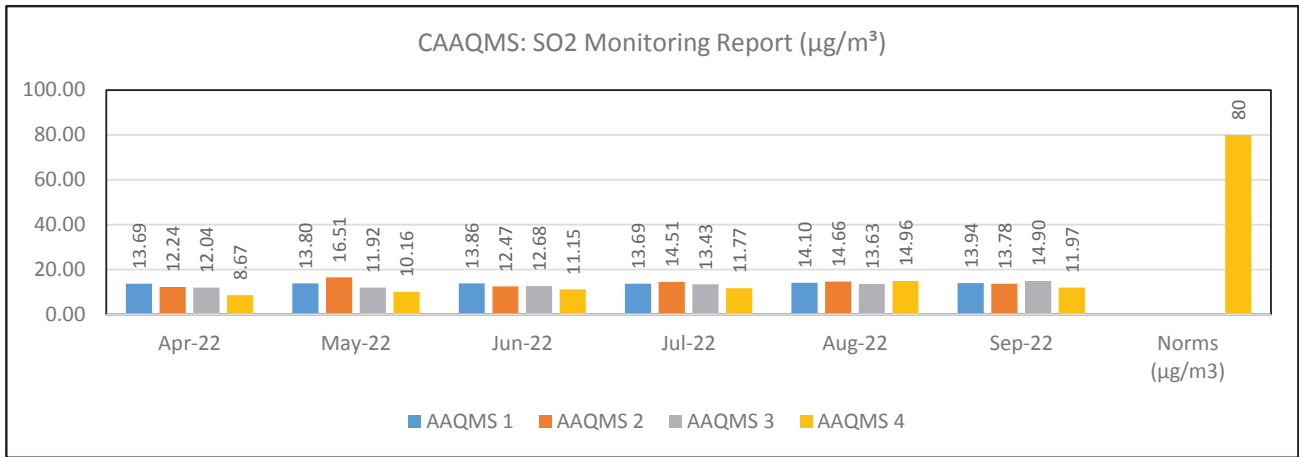


Manual Stack Monitoring Report (Monthly) (mg/Nm³)								
Name of Stacks	Parameter	Norms	Monitoring Period					
			Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22
Cement Mill	PM	30	17.50	11.20	14.30	16.50	12.80	18.20
Coal Mill Stack-1	PM	30	16.70	13.60	Plant was shut down			12.85
Cooler Stack-1	PM	30	11.20	10.70	Plant was shut down			11.65
Coal Mill Stack-2	PM	30	13.10	17.50	16.20	15.70	12.32	20.50
Cooler Stack-2	PM	30	11.60	10.90	11.10	10.40	7.98	10.20
Coal Mill Stack-3	PM	30	6.2	12.54	7.88	21.50	11.20	13.90
Cooler Stack-3	PM	30	5.5	10.38	7.80	7.28	19.80	20.40
Ram Mill & Kiln Stack-1	PM	30	10.40	10.80	Plant was shut down			11.02
	SO ₂	100	0.00	0.00	Plant was shut down			0.00
	NO _x	600	251.00	292.00	Plant was shut down			396.00
Ram Mill & Kiln Stack-2	PM	30	10.90	10.40	10.10	10.80	12.98	15.80
	SO ₂	100	0.00	0.00	0.00	0.00	0.00	0.00
	NO _x	600	356.00	411.00	395.00	309.00	367.00	388.00
Ram Mill & Kiln Stack-3	PM	30	7.82	24.32	8.74	23.50	12.50	15.30
	SO ₂	100	0.00	0.00	0.00	0.00	0.00	0.00
	NO _x	600	120	258.00	213.00	320.50	238.00	321.80
Power Plant Stack	PM	50	26.00	30.80	36.40	21.80	24.80	28.80
	SO ₂	600	140.00	102.00	98.20	186.00	430.00	148.00
	NO _x	450	145.00	132.00	222.00	112.00	192.00	112.00

Annexure 10: Continuous Ambient Air Quality Monitoring Report

Continuous Ambient Air Quality Monitoring Report									
Period from April 2022 to September 2022									
Location	Parameters	Norms ($\mu\text{g}/\text{m}^3$)	Unit	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22
AAQMS 1 (Mines boundary towards village Bharuwadih)	PM10	100	$\mu\text{g}/\text{m}^3$	51.83	58.91	46.96	28.40	21.57	29.41
	PM2.5	60		29.01	24.23	20.32	11.50	14.38	18.33
	SO2	80		13.69	13.80	13.86	13.69	14.10	13.94
	NO2	80		16.50	4.73	4.91	5.25	5.24	5.24
AAQMS 2 (Mines boundary towards village Semradih)	PM10	100		35.47	33.65	40.97	33.05	34.27	29.73
	PM2.5	60		28.81	20.02	24.34	19.79	20.71	18.25
	SO2	80		12.24	16.51	12.47	14.51	14.66	13.78
	NO2	80		8.33	4.89	9.03	17.42	10.10	8.26
AAQMS 3 (Plant Boundary towards South Diecton)	PM10	100		42.85	46.20	39.19	30.97	30.97	38.72
	PM2.5	60		25.84	21.94	19.80	15.51	15.01	17.84
	SO2	80		12.04	11.92	12.68	13.43	13.63	14.90
	NO2	80		6.28	2.17	2.20	2.25	2.26	2.29
AAQMS 4 (Plant Boundary towards village Khapradih)	PM10	100		48.44	45.26	30.02	28.43	35.70	38.79
	PM2.5	60		26.84	22.27	18.19	16.74	17.68	18.00
	SO2	80		8.67	10.16	11.15	11.77	14.96	11.97
	NO2	80		4.91	2.02	2.00	1.98	1.90	1.99





Manual Ambient Air Quality Monitoring Report (Monthly) ($\mu\text{g}/\text{m}^3$)								
Location	Parameter	Norms	Monitoring Period					
		Norms	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22
AAQMS 1 (Mines boundary towards village Bharuwadih)	PM10	100	72.20	74.20	51.40	68.30	40.60	47.30
	PM2.5	60	35.10	36.30	24.10	32.20	25.50	37.60
	SO2	80	6.10	6.90	9.70	6.00	12.50	13.80
	NO2	80	12.60	12.90	12.40	13.00	5.60	5.50
AAQMS 2 (Mines boundary towards village Semradih)	PM10	100	66.50	69.50	53.20	62.30	52.20	35.80
	PM2.5	60	29.60	31.60	27.20	31.30	30.80	18.20
	SO2	80	6.90	7.20	8.10	5.60	13.20	13.10
	NO2	80	13.50	14.50	13.70	12.60	8.60	8.20
AAQMS 3 (Plant Boundary towards South Diction)	PM10	100	77.90	77.10	48.20	70.80	47.30	32.80
	PM2.5	60	30.60	30.60	30.10	28.50	24.60	18.40
	SO2	80	7.20	7.10	7.80	6.50	11.80	14.60
	NO2	80	13.50	13.50	13.20	11.40	5.60	4.80
AAQMS 4 (Plant Boundary towards village Khapradih)	PM10	100	71.60	71.60	47.40	67.50	58.20	37.20
	PM2.5	60	31.20	31.20	27.60	30.80	27.40	20.30
	SO2	80	7.20	7.50	8.10	6.70	13.20	12.40
	NO2	80	12.80	12.80	12.90	12.20	4.80	4.00

Sr. No	Conditions	Compliance status
v	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	<p>Being Complied.</p> <p>We have installed Appropriate Air Pollution Control (APC) measures at all the dust generating points including fugitive dust from all vulnerable sources to comply with prescribed standards.</p> <p>Air Pollution Control (APC) measures details are attached as Annexure-11</p>

Annexure 11: Air Pollution Control Devices

Sr. No.	Name of Sources	Pollution Control Measures
1.	Coal Unloading	Covered Unloading point
2.	Limestone Unloading	Covered unloading and water spray arrangement at crusher
3.	Material Transfer Points	Cover shed & Dust Collectors
4.	Fly Ash Storage	Silo
5.	Gypsum Storage	Cover shed
6.	Petcoke / Coal Storage	Cover shed
7.	Limestone Storage	Cover shed
8.	Clinker Storage	Silo
9.	Conveyor Belt	Covered
10.	Raw Mill & Kiln	RABH
11.	Clinker Cooler	ESP
12.	Coal Mill	Bag House
13.	Cement Mill	Bag House
14.	All Silos	Dust Collector for silo venting



Photo Showing Line-1 RABH



Photo Showing Line-2 RABH



Photo Showing Line-1 Cooler ESP



Photo Showing Line-2 Cooler ESP



Photo Showing Power Plant ESP



Photo Showing Cement Mill Baghouse



Photo Showing Raw Mill + Kiln Line- 3 RABH



Photo Showing Line-3 Cooler ESP

Sr. No.	Conditions	Compliance status
vi	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	Being Complied. We have installed provision for leakage detection and mechanized bag cleaning facility for better maintenance of bags.
vii	Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.	Being Complied. Compliance status of conditions mentioned in CREP is attached herewith as Annexure-12 .

Annexure 12: Compliance of CREP Guidelines

Sr. No.	CREP Condition	Compliance
1	Cement plant, which are not complying with notified standards, shall do the following to meet the standards: Augmentation of existing Air Pollution Control Devices - by July 2003. Replacement of existing Air Pollution Control Devices - by July 2004.	We are complying with the standards prescribed by MoEF & CC and CECB.
2	Cement plants located in critically polluted or urban areas(including 5 Km distance outside urban boundary) will meet 100 mg/Nm ³ limit of particulate matter by December 2004 and continue working to reduce the emission of particulate matter 50 mg/Nm ³ .	Our plant is not located within critically polluted or urban area. And the emissions from our stacks are well within the statutory norms.
3	The new cement kiln to be accorded NOC/ Environmental Clearance w.e.f 1/4/03 will meet the limit of 50 mg/Nm ³ for particulate matter emission.	We are complying with the standards prescribed by MoEF & CC and CECB.
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.	Standards Notified by MoEF&CC.
6	The cement industries will control fugitive emission from all raw material and product storage and transfer points by December 2003. However, the National Task Force will decide the feasibility for the control of fugitive emission from limestone and coal storage areas. The NTF shall	Unit has installed Appropriate Air Pollution Control (APC) measures at all the dust generating points including fugitive dust from all vulnerable sources to comply with prescribed standards. Covered storages/silos have been provided for

	submit its recommendations within months.	clinker, Fly ash, Gypsum and cement storage.
7	CPCB, NCBM, BIS and Oil refineries will jointly prepare the policy on use of petroleum cock as fuel in Cement Kiln by July 2003.	Petcoke is being/will be used as source of feed stock to conserve natural coal.
8	After performance evaluation of various types of continuous monitoring equipment and feedback from the industries and equipment manufacturers, NTF will decide feasible unit operation/section for installation of continuous monitoring equipment. The industry will install the continuous monitoring system (CMS) BY December 2003.	Continuous emission monitoring systems are installed at all the stacks to measure emission levels and measured data is being continuously uploaded to CPCB & CECB servers.
9	Tripping in Kiln ESP to be minimized by July 2003 as per the recommendation of NTF.	Conditions of ESP tripping has been minimized as per given recommendation of NTF.
10	Industries will submit the target date to enhance the utilization of waste material by April 2003.	100% fly - ash from our captive power plant is being utilized in cement plant. Waste material (fly ash/Pond Ash) from other Thermal Power Plant will be used in cement plant. Use of waste material in the form of gypsum in manufacturing of cement. Used iron ore, waste material from steel plant for substituting laterite requirement. Hazardous waste is being utilized in kiln after getting permission from CECB. Hazardous Waste i.e. spent catalyst, plastic waste, oily sludge, process resides, spent solvents, distillation residues, ETP sludge, Resin waste etc. are co-processed in cement kilns as AFR.
11	NCBM will carry out a study on hazardous waste utilization in cement kiln by December 2003.	We have obtained applicable permissions from CPCB & CECB for use of spent catalyst, plastic waste, oily sludge, process resides, spent solvents, distillation residues, ETP sludge, Resin waste etc. for utilization of AFR.
12	Cement industries will carry out feasible study and submit target dates to CPCB co-generation of power by July-2003.	Waste Heat Recovery systems are installed at all the units.

Sr. No.	Conditions	Compliance status
viii	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.	Being Complied. Provided 4 Numbers of heavy duty sweeping machines for regular sweeping of all plants roads, shop floors on regular basis.

Photo Showing Sweeping machine engaged to clean Roads, floors on regular basis



Sr. No	Conditions	Compliance status
ix	Recycle and reuse lime fines, coal fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after agglomeration.	Being Complied. Dust collected from pollution control devices and vacuum cleaning devices is being totally recycled & reused in the process of cement manufacturing.
x	Ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly ash;	Being Complied. All the Environment protection measures have been taken to reduce impact on surrounding environment. All raw materials are being transported in tippers/trucks covered by tarpaulin to prevent spillage and dust generation. Limestone and other material is transported through covered conveyor belts. Fly ash transportation is being done in closed bulkers only.

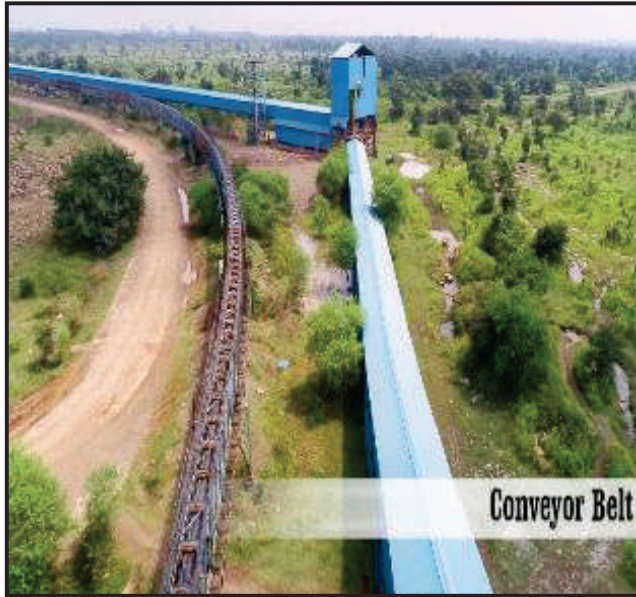


Photo Showing Covered Conveyor Belt on the Right & Pipe Conveyor Belt on the Left



Photo Showing Transportation through Closed bulkers

Sr. No.	Conditions	Compliance status
xi	Provide wind shelter fence and chemical spraying on the raw material stock piles; and	<p>Being Complied.</p> <p>Covered storage shed have been provided for stockpiles of Limestone, Coal & Gypsum. Fly ash is being stored in silos and the transportation of fly ash is done through closed bulkers only.</p> <p>Photographs of covered stock yard is attached as Photo no. - 15.</p> <p>Photographs of fly ash silo is attached as Photo no. - 16.</p>



Photo Showing Covered Shed for Storage of Raw material



Photo Showing fly ash Silo

Sr. No	Conditions	Compliance status
xii	Provide Low NOx burners as primary measures and SCR /NSCR technologies as secondary measure to control NOx emissions. Have separate truck parking area and monitor vehicular emissions at regular interval.	Being Complied. We have Installed Low NOx burners as primary measure to control NOx emissions. And provided separate truck parking area with basic amenities and vehicles with valid PUC are allowed to enter. Sample copy of PUC vehicle is attached as attached as Annexure-13 .

Form 59
(See rules 115 (2))

Pollution Under Control Certificate
Authorised By :
Government of Uttar Pradesh

Date : 12/07/2022
Time : 19:01:06 PM
Validity upto : 11/07/2023

Certificate S.L. No. : UP06400480003144
Registration No. : CG22P8877
Date of Registration : 11/Apr/2019
Month & Year of Manufacturing : February-2019
Valid Mobile Number : *****6664
Emission Norms : BHARAT STAGE IV
Fuel : DIESEL
PUC Code : UP0640048
GSTIN :
Fees : Rs.100.00
(GST to be paid extra as applicable)
Mil. observation : No

Vehicle Photo with Registration plate
60 mm x 30 mm

Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	1.62	0.34

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://vahan.parivahan.gov.in>

Authorised Signature with stamp of PUC operator
80mm x 20 mm

Annexure 13: Sample Copy of PUC

Sr. No.	Conditions	Compliance status
xiii	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 covered conveyor belts/railways as a mode of transport.	Being Complied. All the Environment protection measures has been taken to reduce impact on surrounding environment. The raw material i.e. limestone is transported to plant with help of covered conveyor belts and end product Cement & Clinker being transported in trucks covered with tarpaulin.



Photo Showing Covered conveyor belt



Photo Showing truck covered with tarpaulin

Sr. No.	Conditions	Compliance status
xiv	Ventilation system shall be designed for adequate air changes as per ACGIH document for all tunnels, motor houses, cement bagging plants.	Being Complied. Ventilation system has been designed as per ACGIH specifications at all tunnels, motor houses, cement bagging/Packing plants area.
III. Water quality monitoring and preservation		
i	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25th August, 2014 (Cement)and subsequent amendment dated 9th May, 2016 (Cement)and 10th May, 2016(in case of Co-processing Cement)as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants)as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Not applicable. No effluent is generated from the Cement plant process as the cement manufacturing is based on dry process technology. However, treated waste water from WTP is being reuse in process. Zero effluent discharge is being maintained.
ii	The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.	Being Complied. Monitoring of ground water quality on regular basis (pre and post monsoon) through labs recognized under EPA, 1986 and NABL accredited lab. The ground water monitoring report is attached as Annexure-14 .

Annexure 14: Ground Water Quality Monitoring Report

Ground Water Quality Monitoring Report (May, 2022) IS: 10500:2012								
S No	Parameters	Unit	Permissible Limit	GW 1	GW 2	GW 3	GW 4	GW 5
1	Colour	Hazen	15	<5	<5	<5	<5	<5
2	Odour	-	Agreeable	Unobj.	Unobj.	Unobj.	Unobj.	Unobj.
3	Taste	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
4	Turbidity	NTU	5	< 1	< 1	< 1	< 1	< 1
5	pH	-	6.5 – 8.5	7.66	7.34	7.03	7.68	7.06
6	Conductivity	µS/cm	-	208	925	845	791	1191
7	Free Residual Chlorine	mg/L	1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
8	Total Dissolved Solids	mg/L	2000	122	554	491	469	682
9	Phenol (as C6H5OH)	mg/L	No Relaxation	<0.001	<0.001	<0.001	<0.001	<0.001
10	Total Hardness (as CaCO3)	mg/L	600	56	390	277	246	372
11	Total Alkalinity (as CaCO3)	mg/L	600	65	332	234	230	414
12	Carbonates (as CO3)	mg/L	-	< 1	< 1	< 1	< 1	< 1
13	Bi-Carbonate (as HCO3)	mg/L	-	65	332	234	230	414
14	Chloride (as Cl)	mg/L	1000	22	19	131	73	115
15	Sulphate (as SO4)	mg/L	400	13	114	21	81	56
16	Nitrate (as NO3)	mg/L	No Relaxation	0.8	24	10.5	15.5	10.5
17	Fluoride (as F)	mg/L	1.5	0.08	0.12	<0.05	<0.05	0.18
18	Calcium (as Ca)	mg/L	200	16	141	98	36	117
19	Magnesium (as Mg)	mg/L	100	4	9	8	38	19
20	Sodium (as Na)	mg/L	-	20	25	60	70	90
21	Potassium (as K)	mg/L	-	0.8	2.9	3.5	1.8	2.5
22	Ammonia (as Total NH3-N)	mg/L	No Relaxation	<0.05	<0.05	<0.05	<0.05	<0.05
23	Boron (as B)	mg/L	2.4	<0.2	<0.2	<0.2	<0.2	<0.2
24	Chromium (as Cr)	mg/L	No Relaxation	<0.05	<0.05	<0.05	<0.05	<0.05
25	Copper (as Cu)	mg/L	1.5	<0.05	<0.05	<0.05	<0.05	<0.05
26	Manganese (as Mn)	mg/L	0.3	<0.05	<0.05	<0.05	<0.05	<0.05
27	Zinc (as Zn)	mg/L	15	<0.05	0.1	0.16	<0.05	0.16
28	Cadmium (as Cd)	mg/L	No Relaxation	<0.003	<0.003	<0.003	<0.003	<0.003
29	Iron (as Fe)	mg/L	No Relaxation	0.12	0.17	0.18	0.19	0.21
30	Lead (as Pb)	mg/L	No Relaxation	<0.01	<0.01	<0.01	<0.01	<0.01
31	Silver (as Ag)	mg/L	No Relaxation	<0.05	<0.05	<0.05	<0.05	<0.05
32	Aluminium (as Al)	mg/L	0.2	<0.03	<0.03	<0.03	<0.03	<0.03
33	Nickel (as Ni)	mg/L	No Relaxation	<0.01	<0.01	<0.01	<0.01	<0.01
34	Arsenic (as As)	mg/L	No Relaxation	<2	<2	<2	<2	<2
35	Total Coliforms	MPN/100 ml	Shall not be detectable in any 100 ml sample	N.D.	N.D.	N.D.	N.D.	N.D.
36	E- Coli	MPN/100 ml	Shall not be detectable in any 100 ml sample	N.D.	N.D.	N.D.	N.D.	N.D.
Ground Water Quality Monitoring Report (May, 2022) IS: 10500:2012								
S No	Parameters	Unit	Permissible Limit	GW 6	GW 7	GW 8	GW 9	GW 10
1	Colour	Hazen	15	<5	<5	<5	<5	<5
2	Odour	-	Agreeable	Unobj.	Unobj.	Unobj.	Unobj.	Unobj.
3	Taste	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
4	Turbidity	NTU	5	<1	<1	<1	<1	<1

5	pH	-	6.5 – 8.5	7.06	7.18	6.89	7.08	7.43
6	Conductivity	µS/cm	-	363	1045	754	891	520
7	Free Residual Chlorine	mg/L	1	<0.1	<0.1	<0.1	<0.1	<0.1
8	Total Dissolved Solids	mg/L	2000	210	617	433	528	303
9	Phenol (as C6H5OH)	mg/L	No Relaxation	<0.001	<0.001	<0.001	<0.001	<0.001
10	Total Hardness (as CaCO3)	mg/L	600	134	410	336	330	227
11	Total Alkalinity (as CaCO3)	mg/L	600	138	206	298	256	212
12	Carbonates (as CO3)	mg/L	-	<1	<1	<1	<1	<1
13	Bi-Carbonate (as HCO3)	mg/L	-	138	206	298	256	212
14	Chloride (as Cl)	mg/L	1000	23	110	41	108	21
15	Sulphate (as SO4)	mg/L	400	19	133	29	59	39
16	Nitrate (as NO3)	mg/L	No Relaxation	4.5	31	37.5	24	6.8
17	Fluoride (as F)	mg/L	1.5	0.09	<0.05	<0.05	<0.05	0.19
18	Calcium (as Ca)	mg/L	200	38	147	86	79	68
19	Magnesium (as Mg)	mg/L	100	9	10	29	32	14
20	Sodium (as Na)	mg/L	-	20	40	15	50	10
21	Potassium (as K)	mg/L	-	1.5	1.9	1.5	2.9	1.5
22	Ammonia (as Total NH3-N)	mg/L	No Relaxation	<0.05	<0.05	<0.05	<0.05	<0.05
23	Boron (as B)	mg/L	2.4	<0.2	<0.2	<0.2	<0.2	<0.2
24	Chromium (as Cr)	mg/L	No Relaxation	<0.05	<0.05	<0.05	<0.05	<0.05
25	Copper (as Cu)	mg/L	1.5	<0.05	<0.05	<0.05	<0.05	<0.05
26	Manganese (as Mn)	mg/L	0.3	<0.05	<0.05	<0.05	<0.05	<0.05
27	Zinc (as Zn)	mg/L	15	<0.05	<0.05	<0.05	0.14	<0.05
28	Cadmium (as Cd)	mg/L	No Relaxation	<0.003	<0.003	<0.003	<0.003	<0.003
29	Iron (as Fe)	mg/L	No Relaxation	0.19	0.19	0.22	0.18	0.18
30	Lead (as Pb)	mg/L	No Relaxation	<0.01	<0.01	<0.01	<0.01	<0.01
31	Silver (as Ag)	mg/L	No Relaxation	<0.05	<0.05	<0.05	<0.05	<0.05
32	Aluminium (as Al)	mg/L	0.2	<0.03	<0.03	<0.03	<0.03	<0.03
33	Nickel (as Ni)	mg/L	No Relaxation	<0.01	<0.01	<0.01	<0.01	<0.01
34	Arsenic (as As)	mg/L	No Relaxation	<2	<2	<2	<2	<2
35	Total Coliforms	MPN/100 ml	Shall not be detectable in any 100 ml sample	N.D.	N.D.	N.D.	N.D.	N.D.
36	E- Coli	MPN/100 ml	Shall not be detectable in any 100 ml sample	N.D.	N.D.	N.D.	N.D.	N.D.

Ground Water Quality Monitoring Report (May, 2022) IS: 10500:2012

S No	Parameters	Unit	Permissible Limit	GW 11	GW 12	GW 13	GW 14	GW 15
1	Colour	Hazen	15	<5	<5	<5	<5	<5
2	Odour	-	Agreeable	Unobj.	Unobj.	Unobj.	Unobj.	Unobj.
3	Taste	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
4	Turbidity	NTU	5	<1	<1	<1	<1	<1
5	pH	-	6.5 – 8.5	7.17	6.94	7.17	6.87	7.03
6	Conductivity	µS/cm	-	770	593	789	1158	1451
7	Free Residual Chlorine	mg/L	1	<0.1	<0.1	<0.1	<0.1	<0.1
8	Total Dissolved Solids	mg/L	2000	455	348	458	685	856

9	Phenol (as C6H5OH)	mg/L	No Relaxation	<0.001	<0.001	<0.001	<0.001	<0.001
10	Total Hardness (as CaCO3)	mg/L	600	301	94	306	490	572
11	Total Alkalinity (as CaCO3)	mg/L	600	298	290	286	270	396
12	Carbonates (as CO3)	mg/L	-	<1	<1	<1	<1	<1
13	Bi-Carbonate (as HCO3)	mg/L	-	298	290	286	270	396
14	Chloride (as Cl)	mg/L	1000	52	17	43	93	152
15	Sulphate (as SO4)	mg/L	400	51	11	54	159	122
16	Nitrate (as NO3)	mg/L	No Relaxation	5.5	7.1	24	32	40
17	Fluoride (as F)	mg/L	1.5	0.21	<0.05	0.16	0.21	0.11
18	Calcium (as Ca)	mg/L	200	106	18	88	143	125
19	Magnesium (as Mg)	mg/L	100	9	12	21	32	63
20	Sodium (as Na)	mg/L	-	35	85	35	35	65
21	Potassium (as K)	mg/L	-	2.5	5.5	1.3	3.1	2.2
22	Ammonia (as Total NH3-N)	mg/L	No Relaxation	<0.05	<0.05	<0.05	<0.05	<0.05
23	Boron (as B)	mg/L	2.4	<0.2	<0.2	<0.2	<0.2	<0.2
24	Chromium (as Cr)	mg/L	No Relaxation	<0.05	<0.05	<0.05	<0.05	<0.05
25	Copper (as Cu)	mg/L	1.5	<0.05	<0.05	<0.05	<0.05	<0.05
26	Manganese (as Mn)	mg/L	0.3	<0.05	<0.05	<0.05	<0.05	<0.05
27	Zinc (as Zn)	mg/L	15	<0.05	<0.05	<0.05	<0.05	0.23
28	Cadmium (as Cd)	mg/L	No Relaxation	<0.003	<0.003	<0.003	<0.003	<0.003
29	Iron (as Fe)	mg/L	No Relaxation	0.18	0.23	0.21	0.22	0.18
30	Lead (as Pb)	mg/L	No Relaxation	<0.01	<0.01	<0.01	<0.01	<0.01
31	Silver (as Ag)	mg/L	No Relaxation	<0.05	<0.05	<0.05	<0.05	<0.05
32	Aluminium (as Al)	mg/L	0.2	<0.03	<0.03	<0.03	<0.03	<0.03
33	Nickel (as Ni)	mg/L	No Relaxation	<0.01	<0.01	<0.01	<0.01	<0.01
34	Arsenic (as As)	mg/L	No Relaxation	<2	<2	<2	<2	<2
35	Total Coliforms	MPN/100 ml	Shall not be detectable in any 100 ml sample	N.D.	N.D.	N.D.	N.D.	N.D.
36	E- Coli	MPN/100 ml	Shall not be detectable in any 100 ml sample	N.D.	N.D.	N.D.	N.D.	N.D.

Ground Water Quality Monitoring Report (May, 2022) IS: 10500:2012

S No	Parameters	Unit	Permissible Limit	GW 16	GW 17	GW 18	GW 19
1	Colour	Hazen	15	<5	<5	<5	<5
2	Odour	-	Agreeable	Unobj.	Unobj.	Unobj.	Unobj.
3	Taste	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
4	Turbidity	NTU	5	<1	<1	<1	<1
5	pH	-	6.5 – 8.5	6.93	6.92	8.06	7.79
6	Conductivity	µS/cm	-	841	986	481	517
7	Free Residual Chlorine	mg/L	1	<0.1	<0.1	<0.1	<0.1
8	Total Dissolved Solids	mg/L	2000	496	591	280	305
9	Phenol (as C6H5OH)	mg/L	No Relaxation	<0.001	<0.001	<0.001	<0.001
10	Total Hardness (as CaCO3)	mg/L	600	302	434	136	148
11	Total Alkalinity (as CaCO3)	mg/L	600	216	248	98	110

12	Carbonates (as CO ₃)	mg/L	-	<1	<1	<1	<1
13	Bi-Carbonate (as HCO ₃)	mg/L	-	216	248	98	110
14	Chloride (as Cl)	mg/L	1000	65	103	43	61
15	Sulphate (as SO ₄)	mg/L	400	85	115	59	53
16	Nitrate (as NO ₃)	mg/L	No Relaxation	35.5	34.5	11	7.5
17	Fluoride (as F)	mg/L	1.5	0.13	0.16	<0.05	<0.05
18	Calcium (as Ca)	mg/L	200	105	79	36	40
19	Magnesium (as Mg)	mg/L	100	10	58	11	12
20	Sodium (as Na)	mg/L	-	40	30	40	45
21	Potassium (as K)	mg/L	-	2.8	3.2	2.9	2.5
22	Ammonia (as Total NH ₃ -N)	mg/L	No Relaxation	<0.05	<0.05	<0.05	<0.05
23	Boron (as B)	mg/L	2.4	<0.2	<0.2	<0.2	<0.2
24	Chromium (as Cr)	mg/L	No Relaxation	<0.05	<0.05	<0.05	<0.05
25	Copper (as Cu)	mg/L	1.5	<0.05	<0.05	<0.05	<0.05
26	Manganese (as Mn)	mg/L	0.3	<0.05	<0.05	<0.05	<0.05
27	Zinc (as Zn)	mg/L	15	0.1	0.13	<0.05	<0.05
28	Cadmium (as Cd)	mg/L	No Relaxation	<0.003	<0.003	<0.003	<0.003
29	Iron (as Fe)	mg/L	No Relaxation	0.23	0.22	0.11	0.14
30	Lead (as Pb)	mg/L	No Relaxation	<0.01	<0.01	<0.01	<0.01
31	Silver (as Ag)	mg/L	No Relaxation	<0.05	<0.05	<0.05	<0.05
32	Aluminium (as Al)	mg/L	0.2	<0.03	<0.03	<0.03	<0.03
33	Nickel (as Ni)	mg/L	No Relaxation	<0.01	<0.01	<0.01	<0.01
34	Arsenic (as As)	mg/L	No Relaxation	<2	<2	<2	<2
35	Total Coliforms	MPN/100 ml	Shall not be detectable in any 100 ml sample	N.D.	N.D.	N.D.	N.D.
36	E- Coli	MPN/100 ml	Shall not be detectable in any 100 ml sample	N.D.	N.D.	N.D.	N.D.

Sr. No.	Bore well Number	Bore well /Hand pump Location
1	GW 1	Packing Plant
2	GW 2	CCR Building
3	GW 3	Mine Borewell
4	GW 4	Dhabadih
5	GW 5	Bharwadih
6	GW 6	Chandi
7	GW 7	Karhi
8	GW 8	Piprahi
9	GW 9	Guma Village
10	GW 10	Gatapar
11	GW 11	Parsabhadar Village
12	GW 12	Devsundra Village
13	GW 13	Arjuni
14	GW 14	Suhela
15	GW 15	Parkidih
16	GW 16	Rawan Village
17	GW 17	Paraswani Village
18	GW 18	Mine Pit Discharge
19	GW 19	Mine Pit-2 RWH Pond

Sr. No	Conditions	Compliance status
vi	Garland drains and collection pits shall be provided for each stock pile to arrest the runoff in the event of heavy rains and to check the water pollution due to surface run off.	Being Complied. The raw material stock piles are kept under covered shed. So, no surface runoff is generated from stock pile.
vii	The project proponent shall practice rainwater harvesting to maximum possible extent.	Being Complied. For augmentation of ground water, we have constructed Rain water harvesting ponds.



Latitude: 21.611929
Longitude: 82.046942
Elevation: 275.12±3 m
Accuracy: 2.5 m
Time: 19-10-2022 11:15

Photo Showing Rain Water Harvesting Ponds



Photo Showing RWH Recharge Structure

Sr. No	Conditions	Compliance status
viii	Water meters shall be provided at the inlet to all unit processes in the cement plant.	Being Complied. We have installed digital water flow meter with telemetry system at every bore wells & as well as at the inlet of all unit in the plant.

Photo Showing Digital Flow meters with telemetry at different locations



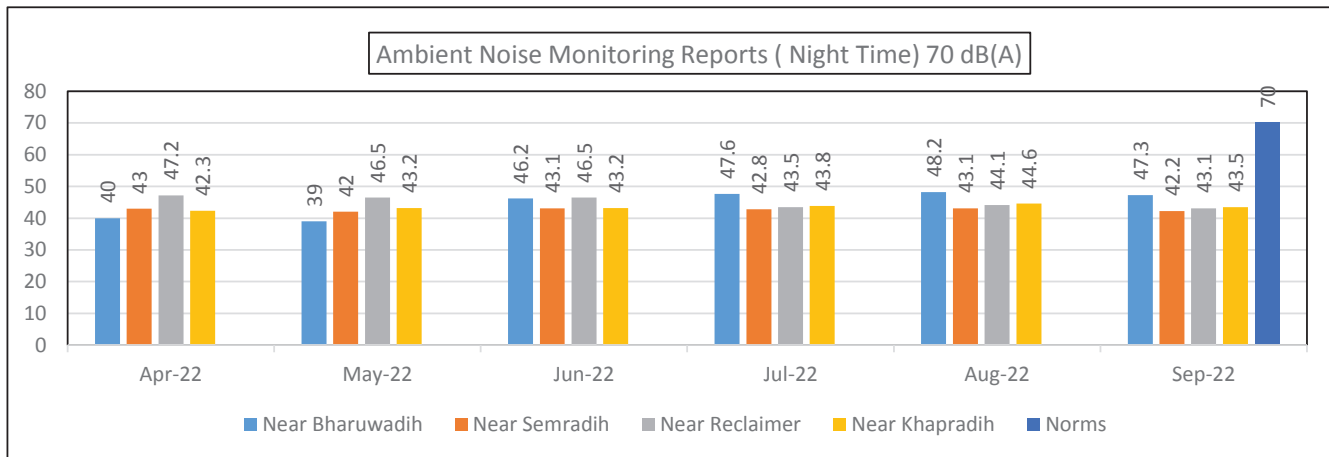
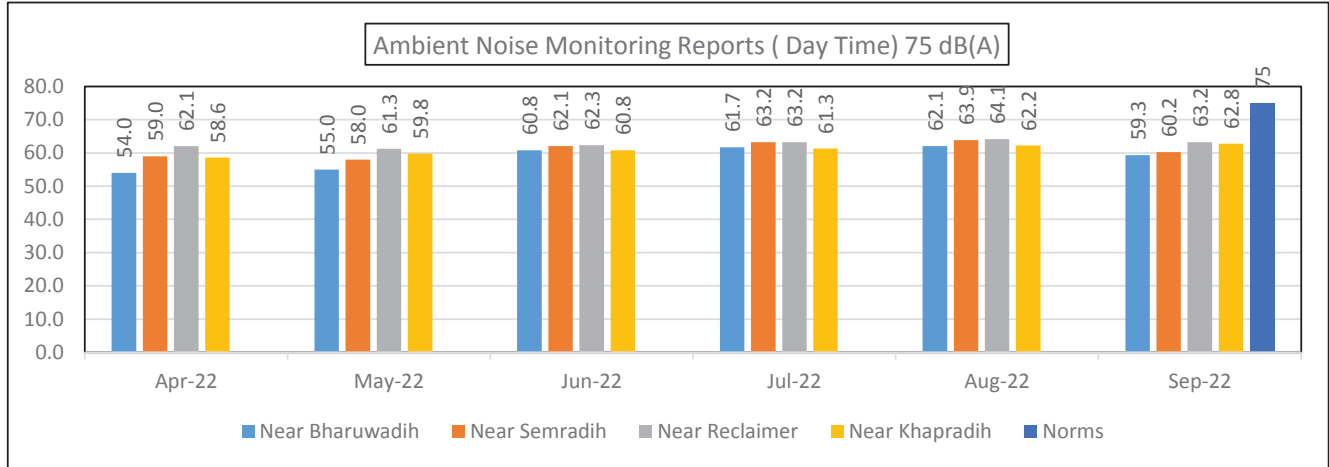
Sr. No	Conditions	Compliance status
ix	The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.	Not Applicable.

IV. Noise monitoring and prevention

i	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Being Complied. Noise Monitoring is being carried out as per the prescribed guidelines on regular basis. The noise monitoring report for the period April 2022 to September 2022 is attached as Annexure-16 .
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Annexure 16: Noise Monitoring Report

Ambient Noise Monitoring Reports (Unit- dB(A))								
Month	Near Bharuwadih		Near Semradih)		Near Reclaimer		Near Khapradih	
	Day time	Night time	Day time	Night time	Day time	Night time	Day time	Night time
Apr-22	54.0	40.0	59.0	43.0	62.1	47.2	58.6	42.3
May-22	55.0	39.0	58.0	42.0	61.3	46.5	59.8	43.2
Jun-22	60.8	46.2	62.1	43.1	62.3	46.5	60.8	43.2
Jul-22	61.7	47.6	63.2	42.8	63.2	43.5	61.3	43.8
Aug-22	62.1	48.2	63.9	43.1	64.1	44.1	62.2	44.6
Sep-22	59.3	47.3	60.2	42.2	63.2	43.1	62.8	43.5



Sr. No.	Conditions	Compliance status
ii	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.	Being Complied. Regular monitoring of ambient noise levels is being carried out and the results are well within the norms. Ambient noise monitoring results during the period April 2022 to September 2022 is attached as Annexure-16 .
V. Energy Conservation measures		
i	Waste heat recovery system shall be provided for kiln and cooler.	Being Complied. Waste Heat Recovery System has been installed for power generation from the waste heat gases of kiln & cooler.

ii	The project proponent make efforts to achieve power consumption less than 65 units/tonne for Portland Pozzolona Cement (PPC) and 85 units/tonne for Ordinary Portland Cement (OPC) production and thermal energy consumption of 670 Kcal/Kg of clinker.	<p>Being Complied. All efforts are being made to achieve power consumption & thermal energy consumption for cement & clinker production.</p> <table border="1" data-bbox="878 222 1487 405"> <tr> <th data-bbox="878 222 1032 359">Year</th> <th data-bbox="1037 222 1252 359">Power consumption for cement production</th> <th data-bbox="1256 222 1487 359">Thermal energy consumption for Clinker</th> </tr> <tr> <td data-bbox="878 365 1032 405">2021-22</td> <td data-bbox="1037 365 1252 405">61.91</td> <td data-bbox="1256 365 1487 405">766</td> </tr> </table>	Year	Power consumption for cement production	Thermal energy consumption for Clinker	2021-22	61.91	766
Year	Power consumption for cement production	Thermal energy consumption for Clinker						
2021-22	61.91	766						
iii	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.	<p>Being Complied. Provided solar light system for street lights at our colony area. Further we are planning to layout for the solar plant to be most efficient for solar powered lights for all common areas, street lights, parking around project area.</p>						
iv	Provide the project proponent for LED lights in their offices and residential areas.	<p>Being Complied. Provided LED lighting fixtures in all office areas.</p>						



Photo Showing LED light fixtures at Office

Sr. No.	Conditions	Compliance status
v	Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS standards.	<p>Being Complied. Continuous efforts have been made for use of maximum fly ash in making PPC cement as per BIS standards.</p>
vi	maximize utilization of alternate fuels and Co-processing to achieve best practice norms.	<p>Being Complied. For utilization/co-processing of Hazardous wastes in Cement kiln. We have obtained the authorization for co processing the various types of hazardous wastes & non-hazardous waste such as ETP sludge, Organic residue, Process residue from pharmaceutical industries including RDF/MSW in our cement kiln. Further we will explore the higher calorific waste materials for co-processing as AFR in our cement plant.</p>
VI. Waste management		

i	Used refractories shall be recycled as far as possible.	Being Complied. The used refractories are being sold to vendors for recycling.
ii	The waste oil, grease and other hazardous shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.	Being Complied. Generated used/spent oil are being store in earmarked area with concrete flooring and is only sold to CPCB/ SPCB authorized parties.
iii	Kitchen waste shall be composted or converted to biogas for further use.	Being Complied Waste generated from kitchen is converted into manure which is used as bio-fertilizer in green belt development.
VII. Green Belt		
i	Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant	Being Complied. Out of Total plant area of 159.256 hectare, Green belt has been developed on 55.75 Hectare (35%) area with 1,27,476 Nos. of saplings along with entire periphery of the plant. Under Hariyar Chhattisgarh project we have planted 15,000 saplings near school of Bharuwadih, Semradih, Khapradih, Chandi, Karahi & Parkidih villages. Road side plantation of about 10 KM on both side of road from Bharuwadih to Chandi village has been done. And we have also planted 15,050 saplings at Bhatapara. Apart from that 2,000 sapling has been planted near the Logistic building. Apart from that 6,000 sapling has been planted near the Diesel Pump area. Local native species viz. Neem, Karanj, Platofarm, Cassia Siamea, Shisham etc. are planted to increase the survival rate. Please refer the following photographs.

Photos Showing Plantation within the Plant area





Sr. No.	Conditions	Compliance status
ii	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programmer for reduction of the same including carbon sequestration including plantation.	Being Complied. A team of expert performs the survey of the entire plant and collect the raw data of GHG emissions. Company follow the GCCA and Energy Accounting and reporting standard for the Cement Industry” for the calculation of the GHG emission. Every year a third party is engaged for assurance of GHG data.
VIII. Public hearing and Human health issues		
i	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Being Complied. The emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan is implemented.
ii	The PP shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	Being Complied. Heat stress analysis is conducted for the workmen who work in high temperature work zone, and Personal Protection Equipment (PPE) are provided to all the workers working in the plant as per the norms of Factory Act.



Photo Showing PPEs provided to workers

Sr. No.	Conditions	Compliance status
iii	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, mobile STP, 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.	Complied. During construction, we have provided temporary housing structures with all necessary infrastructure and facilities such as fuel for cooking, toilets, STP, safe drinking water, medical health care etc. for construction workers.
iv	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Being Complied. Occupational health programs are conducted on regular basis and records being maintained by the Occupation Health Center (OHC). During the period of April 2022 to September 2022 total 4,462 Nos. health checkup conducted. A sample copy of Occupational health surveillance is attached as Annexure-17 .

SHREE RAJPUR CEMENT PLANT
KHAPRAJADI, BALODA BAZAR
Form -21
(Prescribed Under Rule(19))
HEALTH REGISTERS
(In respect of persons employed in occupations declared to be dangerous operations under section 87)

PRE-EMPLOYMENT & PERIODICAL MEDICAL EXAMINATION

NAME: **CHANDAN KUMAR** DATE: **14 May 2022**
 CAD: **MAHOU** A/S/R: **26 YEARS /**
 Department: **VISHWAKARMA** INSTRUMENTATION: **MALE**

1 GENERAL EXAMINATION

HEIGHT: **18300 cm** WEIGHT: **8300 KG** BMI: **24.78**

CHEST: INSPIRATI: **—** EXPIRATIO: **—**
 ON (in cm): **—** N (in cm): **—**

BUILT: **AVERAGE / STRONG / POOR**

PALLOR: **NAD** TONGUE: **NAD** TONSILS: **NA**
 ICTERUS: **NAD** GUMS: **NAD** THYROID: **NA**
 CLUBBING: **NAD** THROAT: **NAD** SKIN: **NA**
 OEDEMA: **NAD** TEETH: **NAD**

LYMPHNOES: **NAD**

ADDITIONAL FINDINGS: **NAD**

2 CARDIO-VASCULAR SYSTEM

PULSE(per min.): **82** SP (mm of Hg): **100/100**
 HEART SOUND: **NORMAL** MURMUR: **NAD**
 ADDITIONAL FINDINGS: **NAD** P. ANY: **—**

3 RESPIRATORY SYSTEM

SHAPE OF CHEST: **Bil. Sym.** CHEST MOVEMENTS: **Normal**

TRACHEA: **Central/Deviated** BREADTH SOUNDS: **Normal**

ANY ADDITIONAL SOUND: **—**

4 G.I SYSTEM

ANY ABDOMINAL LUMP: **No** KIDNEY: **NAD** SPLEEN: **NA**
 LIVER: **NAD**

5 EXAMINATION OF EYES

EXTERNAL EXAM: **NAD** SQUINT: **No**
 NYSTAGMUS: **NIL**

COLOUR VISION: **NORMAL** LEFT: **NR** RIGHT: **NR**

FUNDUS: **NORMAL**

INDIVIDUAL COLOUR IDENTIFICATION: **NORMAL**

DISTANT VISION (WITH GLASS): **RIGHT: 9/9 LEFT: 9/9**
 (WITHOUT GLASS): **RIGHT: — LEFT: —**

NEAR VISION (WITH GLASS): **RIGHT: 9/0 LEFT: 9/0**
 (WITHOUT GLASS): **RIGHT: — LEFT: —**

NIGHT BLINDNESS(NYCTALOPIA): **NORMAL**

6 EXAMINATION OF EARNOSE & THROAT

EXTERNAL EXAM: **NAD**

7 GENITO URINARY SYSTEM

HERPES: **Absent** HYDROCOEL/VARICOCELE: **Absent**

CRYPTORCHIDISM: **Y / N** PHIMOSIS: **Y / N**
 VARICOSE VEIN: **Y / N** SIGN OF STD: **Y / N**

OTHER EXAMINATION OF FEMALE

MENARCHY AT: **—** Yrs MENSTRUAL HISTORY: **—**
 OBSTETRICAL HISTORY: LMP: **—** GRAVIDA: **—** PARA: **—**
 INVESTIGATIONS: **—**

8 LAB INVESTIGATION

URINE: ALBUMIN: **—** SUGAR: **—** MICROSCOPY: **—**
 HEMOGRAM: **—** Blood grouping & Rh typing: **B +ve** Hb%: **12.0**

TLC: **—** DLC(%): **—** P. ZD: **L 16, E 08, M 84, B 90**

PLATELET COUNT: **197** Ova/Cyst: **— / —** Microscopy: **—**

STOOL: **—**

LIPID PROFILE: **—** HDL: **47**
 SERUM CHOLESTEROL: **144** LDL: **21.8**
 S. TRIGLYCERIDE: **120**

HEPATIC PROFILE: **—** SGPT: **28** SGOT: **22** ALKALINE PHOSPHATASE: **56**

RENAL PROFILE: **—** BLOOD UREA: **15** S. CREATI: **0.8**
 METABOLIC: **—** NINE: **—**

BLOOD SUGAR: **—** FASTING: **—** PP: **—** RANDOM: **91**

S.URIC ACID: **—**

9 OTHER INVESTIGATIONS

CHEST X-RAY: **NAD** ECG: **NAD**

ULTRASOUND WHOLE ABDOMEN: **—**

1 PULMONAY FUNCTION TEST

Parameters	Predicted Value	Performed value	% of Predicted
Forced Vital Capacity (FEV)	04.30	03.31	077
Forced Vital Capacity 1 (FEV 1)	03.64	03.64	03.64
Peak Expiratory Flow	10.26	07.36	072

1 AUDIOMETRY TEST


IMPRESSION: **NOR**

1 MEDICAL EXAMINATION OF CANTEN STAFF

a. Blood examination for venereal disease and routine examination of blood
 b. Stool and urine examination for worm infestation.
 c. Screening for skin diseases (scabies and others)
 d. X ray and another tests for TB

1 rule 107 of C.G Factory rules 1962:

COMMENTS: **FIT FOR JOB**
 Suggestions if any: **—**


 Signature & LTI of Candidate

Santosh Kumar
 Digitally signed by Santosh Kumar
 Date: 2022.11.14 12:10:32 +05'30'

DOCTOR SANTOSH KUMAR, 14-May-2022
 Signature (with Date) of factory medical officer

Annexure 17: Sample Medical Report

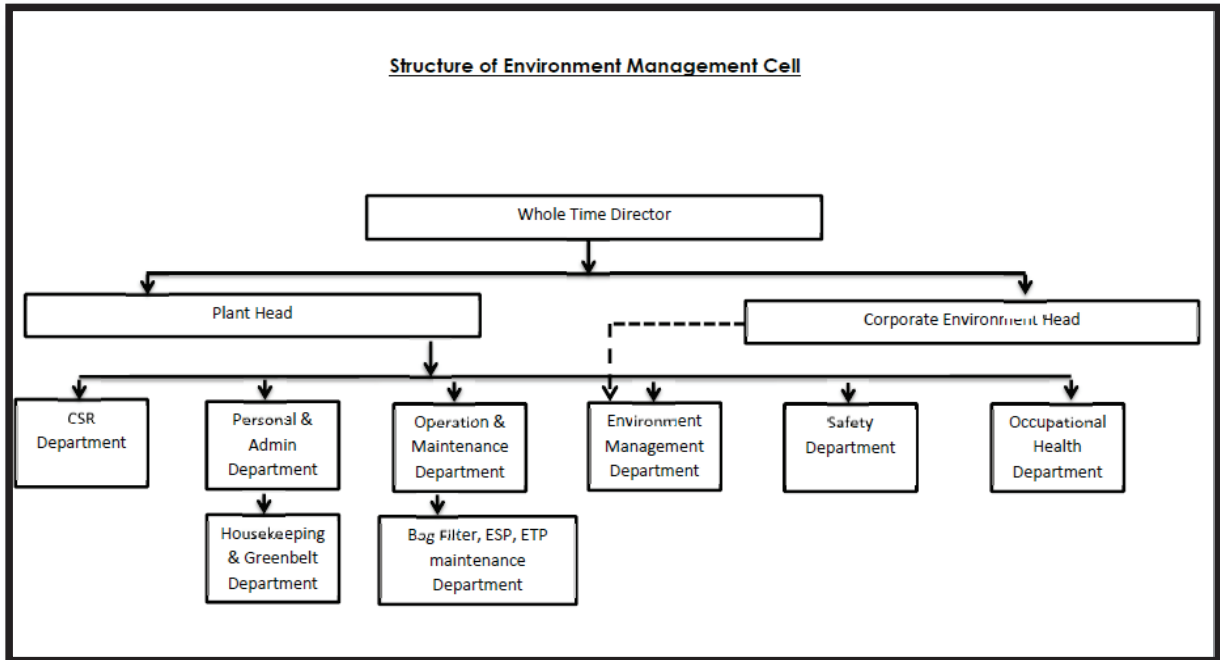
IX. Corporate Environment Responsibility		
Sr. No.	Conditions	Compliance status
i	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1 st May 2018, as applicable, regarding Corporate Environment Responsibility.	All commitments made during the public hearing have been incorporated in CSR activities. Details of expenses for CSR activities for FY 2021-22 is enclosed as Annexure-18 . Refer following photographs of some CSR Activities.

Annexure 18: CSR Expenditure Details FY 2021-22

Sr. No.	Particulars of CSR activity undertaken	Amount in Rs.
1	Salaries paid to employees engaged in CSR work	18,81,615
2	Expenses incurred to fight against COVID-19 (Expenses held for Covid-19 relief)	85,409
3	Environment protection and sustainability work - (Contribution to Gram panchayat for Pond Ash Consumption @ Rs. 3 per MT)	2,52,569
4	Environment protection and sustainability work - (Contribution to Gram panchayat for Pond Ash Consumption @ Rs. 3 per MT)	2,00,000
5	Expenses incurred to fight against COVID-19 (Cost of Oxygen Cylinders Supplied)	24,45,806
6	Cement and Steel issued from SCL for construction of road/ structures (Construction of Temple)	31,716
7	Expenses incurred to fight against COVID-19 (Expenses on dust masks, sanitizers, gloves etc.)	3,02,443
8	Cement and Steel issued from SCL for construction of road/ structures (Pond deepening and beautification work at Village- Bhruadih)	21,773
9	Expenses incurred to fight against COVID-19 (Advertisement for promotion of Covid vaccination in Dainik Bhaskar newspaper)	4,28,579
10	Cement and Steel issued from SCL for construction of road/ structures (Construction of community hall at Village- Bhruadih)	32,944
11	Cement and Steel issued from SCL for construction of road/ structures (CC Road at Village- Bhruadih (Colony))	1,89,962
12	Cement and Steel issued from SCL for construction of road/ structures (RCC drain at Village- Chandi)	3,09,046
13	Cement and Steel issued from SCL for construction of road/ structures (Supply and Fixing of sign Boards related to CSR at various villages)	1,788
14	Other CSR programme coordination expenses including expenses on brochures, leaflets, CSR documentary film, inauguration function etc. CSR survey expenses (Documentry making of CSR activities)	9,44,000
15	Expenses incurred to fight against COVID-19 (Expenses on dust masks, sanitizers, gloves etc)	320
16	Cement and Steel issued from SCL for construction of road/ structures (Construction of community hall at Karhi)	8,712
17	Cement and Steel issued from SCL for construction of road/ structures (CC Road at Village- Bhruadih)	1,06,283
18	Cement and Steel issued from SCL for construction of road/ structures (CC Road at Village- Khapradih)	88,860
19	Cement and Steel issued from SCL for construction of road/ structures (Construction Of Jyoti Kaksh At Semhradih)	8,712
20	Cement and Steel issued from SCL for construction of road/ structures (Construction of community halls and muktidhams at nearby villages)	18,300
21	Cement and Steel issued from SCL for construction of road/ structures (Construction and levelling of CC/Murom roads of nearby villages)	1,34,503
22	Running various income generation programme for woman like stitching, embroidery, pickle making, papad making, beautician, gram and wheat flour making, dairy farming, soap, detergent making, etc.	97,411
	Total	75,90,751

Sr. No.	Conditions	Compliance status
iii	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	Separate Environmental Cell has been established in plant with qualified person to take care day to day environmental activities and reports to head of the organization. Please refer Annexure – 19 .

Annexure 19: Detailed Organization Chart



Sr. No.	Conditions	Compliance status
iv	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.	Being Complied. The funds earmarked for Environmental Protection measures are being utilized for the same and total expenditure incurred during the period April- 2022 to September - 2022 is attached as Annexure – 20 .

Annexure 19: Details of Environment Expenditure

Sr. No.	Description	Amount in Rs.
1	Sewage Treatment Plant	1,74,747
2	Technical Consultancy & Monitoring	15,00,290
3	Plantation & horticulture	34,77,530
4	Housekeeping & Vacuum Sweeping	1,26,65,021
5	Rates & Taxes	3,00,718
6	Air Pollution Control Devices cost (O&M)	25,99,393
	Total	2,07,17,699

Sr. No	Conditions	Compliance status
v	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Being Complied. Self-environmental audit is conducted internally on Annual basis.
vi	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Cement plants shall be implemented.	Being Complied. All CREP recommendations have been implemented. Compliance status of CREP conditions is attached as Annexure- 12.
X. Miscellaneous		
i	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Complied. Advertised the environment clearance in two different newspapers with one in vernacular language "Dainik Bhaskar" & "Times of India" dated 14.09.2019 within the stipulated time period. The copy the EC letter has been put on the company website that can be downloaded from by the following link www.shreecement.com The copy of advertisement is attached as Annexure-21.

मैसर्स श्री रायपुर सीमेंट प्लांट
(इकाई श्री सीमेन्ट लिमिटेड)
गांव- खपराडीह, तहसील- सिमगा,
जिला-बलौदाबाजार-भाटापारा (छत्तीसगढ़)

सार्वजनिक सूचना

सर्व साधारण को सूचित किया जाता है कि मैसर्स श्री रायपुर सीमेंट प्लांट (इकाई श्री सीमेन्ट लिमिटेड) के इन्टीग्रेटेड सीमेन्ट प्लांट का विस्तार, क्षमता 2 x 26 लाख टन प्रतिवर्ष से 3 x 45 लाख टन प्रतिवर्ष किलकर, 2 x 30 लाख टन प्रतिवर्ष से 3 x 55 लाख टन प्रतिवर्ष सीमेन्ट, कैप्टिव पावर प्लांट 25 मेगावाट से 125 मेगावाट, वेस्ट हीट रिकवरी पावर प्लांट 30 मेगावाट से 100 मेगावाट, सिंथेटिक जिप्सम 65 टन प्रतिघंटा तथा डीजी सेट 2000 केवीए, जो कि गांव- खपराडीह, तहसील- सिमगा, जिला-बलौदाबाजार-भाटापारा (छत्तीसगढ़) में स्थापित किये जा रहे हैं, को भारत सरकार के पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, नई दिल्ली द्वारा पर्यावरणीय स्वीकृति पत्र क्रमांक **F. No. J-11011/235/2008-IA-II (I)** दिनांक 11 सितंबर 2019 के द्वारा दी गई है।

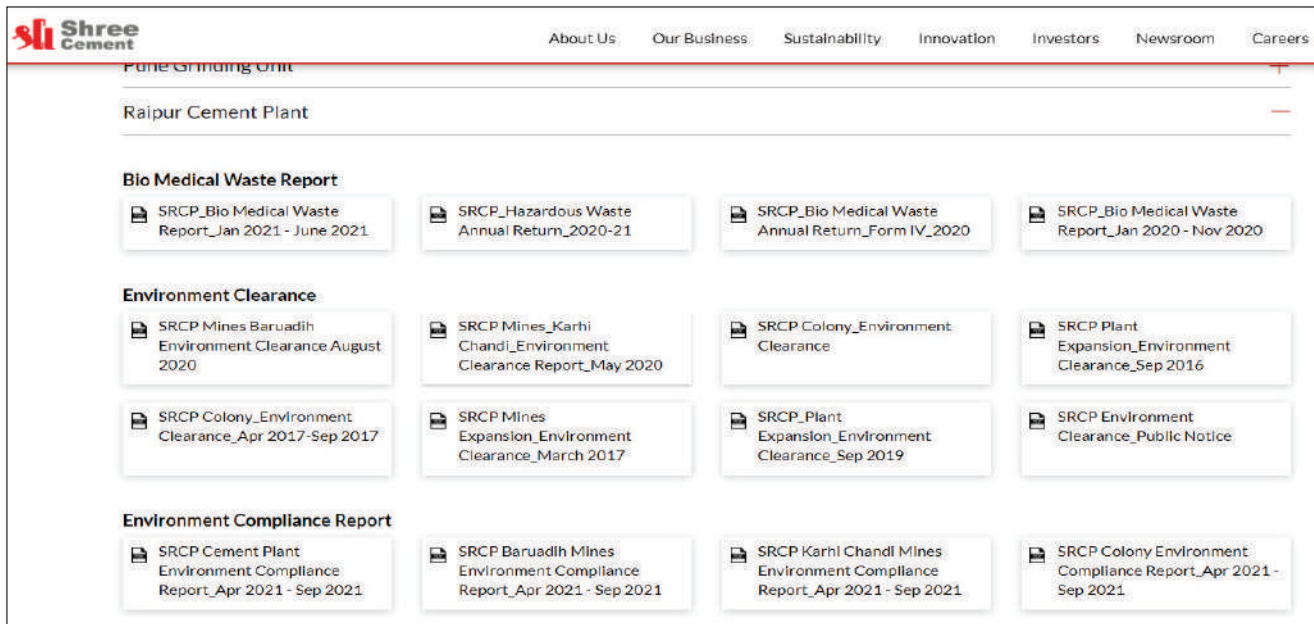
पर्यावरण स्वीकृति पत्र की प्रतिलिपि छत्तीसगढ़ पर्यावरण संरक्षण मण्डल, रायपुर में उपलब्ध है तथा पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार की वेबसाइट "www.moef.nic.in" एवं श्री सीमेन्ट लिमिटेड की वेबसाइट "www.shreecement.in" पर भी उपलब्ध हैं।

Dainik Bhaskar - 14/09/19
Raipur

Annexure 21: Copy of Paper Advertisement

Sr. No.	Conditions	Compliance status
ii	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Complied. Copy of EC letters have been submitted to the respective Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government date 13.09.2019 for their information.
iii	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Complied. The status of compliance of the stipulated environment clearance conditions, including results of monitored data uploaded on the company's website www.shreecement.com . The screenshot of the company website is attached as Annexure-22 .

Annexure 22: Screenshot of Company Website



Sr. No.	Conditions	Compliance status
iv	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Being Complied. The monitoring data of ambient monitoring quality & stack emission is uploaded on our company website www.shreecement.com . The screenshot of the company website is attached as Annexure-22 . Monitoring data of existing cement plant is being displayed at main gate of the company.



Photo Showing Display Board installed at Plant Main gate

Sr. No.	Conditions	Compliance status
v	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	<p>The Six monthly compliance report on the status of the compliance of the stipulated environmental conditions is uploaded on the website of the MoEF&CC at Environment Clearance portal.</p> <p>The E.C Compliance for the period October, 2021 to March, 2022 has been uploaded on the website of the MoEF&CC at Environment Clearance portal.</p> <p>Screenshot of the uploaded E.C compliance on the website of the MoEF&CC at Environment Clearance portal is attached as Annexure-23.</p>

Annexure 23: Screenshot of E.C Compliance Uploaded on Parivesh Portal

Compliance report has been uploaded successfully.

OK

Home Environment Clearance Only CRZ Clearance Forest Clearance Wildlife Clearance

Please do not enter any sensitive information in this field.

Form for Uploading Compliance Report

Proposal No.: IA/CG/IND/26823/2015
 Proposal Name: Expansion of Integrated Cement Plant -Clinker (2 x 2.6 to 3 x 4.5)
 Category: Industrial Projects - 1
 MoEF File No.: J-11011/238/2008-IA,II(i)

Compliance Letter/report

Year of Compliance: All Years
 Date of Compliance: Select

Remarks:
 Upload Compliance Letter/report: Choose File No file chosen (.pdf only)

SUBMIT

Sno.	Proposal No.	Uploaded copy of Compliance report	Remarks	Uploaded Date	Delete
1	IA/CG/IND/26823/2015	05/12/2021@21:15:58HalfYearlyECCCompliance-SRCP-Plant-Oct-17toMar-18.pdf	Half-Yearly Compliance report Period Oct-17 to Mar-18 Half Yearly (April- 2018 to September- 2018) Compliance	10/05/2018	

Sr. No.	Conditions	Compliance status
vi	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	Being Complied. The Environment statement for each financial year in FORM-V is submitting regularly to the Chhattisgarh Environment Conservation Board as prescribed under the Environment (Protection) Rules, 1986, and the copy of the same is also being uploaded in the company's website i.e. www.shreecement.com The Copy of Environment statement submitted for FY 2021-2022 is attached as Annexure-24 .

SHREE CEMENT LIMITED
(UNIT-SHREE RAIPUR CEMENT PLANT)
Village: Khapradih, Tehsil: Simga, Distt. Baloda Bazar-Bhatapara (C.G.) Pin: 493332,
Ph.:07727-203101, CIN No. : L26943RJ1979PLC001935

SRCF/ENV/2022-23/87 Date: 12/09/2022

To,
The Member Secretary,
Chhattisgarh Environment Conservation Board,
Paryavas Bhawan, North Block, Sector-19
Naya Raipur (C.G.)

Sub: - Submission of Environment Statement for the year 2021-22 by Shree Raipur Cement Plant (A unit of Shree Cement Ltd.) located at Village Khapradih, Tehsil: Simga, Distt: Balodabazar-Bhatapara, (C.G.).

Ref: 1. Consent to Operate (Air & Water) letter No.- 9505 /TS/CECB/ 2021, dated 02/02/2021.
2. CTO amendment for expansion letter No: 9497/15/CECB/2022, dated 24/03/2022.

Dear Sir,

With reference to the above subject matter, we are submitting herewith the **Environmental Statement in Form-V** for the year **2021-2022** for our Shree Raipur Cement Plant (A Unit of Shree Cement Limited) located at Village Khapradih, Tehsil: Simga, Dist.: Balodabazar-Bhatapara, (C.G.).


Submitted for your kind information and record please.

Thanking you,

Yours faithfully,
For Shree Raipur Cement Plant
(A unit of Shree Cement Ltd.)

[Signature]
J V Mahesh
Ass. Vice President

Enclosed - As above.



CC to: - Regional Officer, Chhattisgarh Environment Conservation Board, Commercial Complex, Chhattisgarh Housing Board Colony Kabir Nagar, Raipur (C.G.) - 492009

■ RAIPUR OFFICE : House No 31/248, Chet Lines, Near C.M. House, Raipur-492001, Ph. : 0771-2490007, Fax : 0771-2490007
■ REGIONAL OFFICE : Singur Nagar, Post Box No.35, Beemari, 505001, Dist. Ajmer (Raj.)
Phone : 01462-228101-105, Fax : 01462-228117/119, e-mail : shreebce@shreecement.com, Website : www.shreecement.com

Annexure 24: Copy of Environment Statement in Form V submitted to CECB, Raipur

Sr. No.	Conditions	Compliance status
vii	The project proponent 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, commencing the land development work and start of production operation by the project.	Noted.
viii	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Being Complied. We are complying with all the conditions stipulated by the State Pollution Control Board and the State Government.
ix	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Noted. All the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing are being complied.

x	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).	Noted. Prior approval shall be obtained from MoEF&CC in case of any expansion or modification in the plant.
xi	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted.
xii	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted
xiii	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted. We shall abide by any additional conditions if any stipulated by MoEF&CC.
xiv	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	Noted. Full co-operation shall always be extended to the officers of the Regional Office.
xv	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter	Noted
xvi	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted

Compliance of MoEFCC Office Memorandum dated 18th, July 2022 for Sensitization on implementation of Ban on Single Use Plastic (SUP's)

Awareness through fixing of Banners at prominent places of Cement Plant, Mines and Township area



Organized Marathon for awareness on No Single Use Plastic at SRCP



Awareness Programme for workmen and Distribution of Cloth Bags



Awareness programme for Township residence and Cloth bags distribution



Awareness programme at Schools of nearby Villages

