Karnataka State Pollution Control Board

Parisara Bhavana,No.49, Church Street,Bengaluru-560001

Tele : 080-25589112/3, 25581383/388 Fax:080-25586321 Email id: ho@kspcb.gov.in

Consent For Operation(CFO-Air,Water) - (CfO-Expand)

As per the provisions of

The Water (Prevention & Control of Pollution) Act, 1974

&

The Air (Prevention & Control of Pollution) Act, 1981

To

Chettinad Cement Corporation Private Limited, Sangem K & Kallur Village

for the Facility located at,

Chettinad Cement Corporation Private Limited,Sy No 5-7, 8/2, 11-31, 169-209, 227-251, 211, 214/A, 215, 216, 217/A, 217/B, 218 ,Sangem K & Kallur Village

Gulbarga

Consent Order No	PCBID	INW ID	Industry Colour/Scale	Date of Issue
AW-343984	10474	219590	RED/LARGE	27/06/2024

This Consent is granted for the Products/ Activity/Service name indicated in the annexure along with the terms & conditions attached to this order

Validity through: 01/07/2024 to 30/06/2029

ISO 9001:2015 & 14001:2015 Certified

Combined Consent Order No: AW-343984 **PCB ID:** 10474 **GSC No :** PB0XG0000209590 **Date:** 27/06/2024

Combined consent for discharge of effluents under the Water (Prevention and Control of Pollution) Act , 1974 and emission under the Air (Prevention and Control of Pollution)Act , 1981

Ref: 1. Application filed by the applicant/organization on 30/03/2024

2.Inspection of the Industry/organization/by RO, on 22/04/2024

3.Proceedings of the ECM dated 14/06/2024 ,held on 12/06/2024

Consent is hereby granted to the Occupier under Section 25(4) of the Water (Prevention & Control of Pollution) Act, 1974 (herein referred to as the Water Act) & Section 21 of Air (Prevention & Control of Pollution) Act, 1981, (herein referred to as the Air Act) and the Rules and Orders made there under and authorized the Occupier to operate /carryout industry/activity & to make discharge of the effluents & emissions confirming to the stipulated standards from the premises mentioned below and subject to the terms and conditions as detailed in the Schedule Annexed to this order.

Location:

Name of the Industry: Chettinad Cement Corporation Private Limited

Address: Sy No 5-7, 8/2, 11-31, 169-209, 227-251, 211, 214/A, 215, 216, 217/A, 217/B, 218, Sangem K & Kallur Village

Industrial Area: Not In I.A, Sangem K,

Taluk: Chincholi, District: Gulbarga

CONDITIONS:

a) Discharge of effluents under the Water Act:

Sr	Water Code	WC(KLD)	WWG(KLD)	Remark
1	Agriculture	35.000	0.000	Refer additional conditions
2	Domestic Purpose	342.000	274.000	Refer additional conditions
3	Manufacturing Processes	1848.000	176.000	Refer additional conditions

b) Discharge of Air emissions under the Air Act from the following stacks etc.

Sl. No.	Description of chimney/outlet	Limits specified refer schedule
The details of Sources, control equipments and its specification, type of fuel,constituents to be controlled in emissions etc. are detailed in Annexure-II.		

The consent for operation is granted considering the following activities/Products;

Sr	Product Name	Applied Qty	Unit
1	Cement	5.9000	Million Metric Tons/Annum
2	clinker	5.2000	Million Metric Tons/Annum
3	power generation in captive power plant	30.0000	Mega Watt
4	Power generation using waste heat recovery boiler(whrb)	7.0000	Mega Watt

Validity through : 01/07/2024 **to** 30/06/2029

To,

Chettinad Cement Corporation Private Limited

COPY TO:

The Environmental Officer, KSPCB, Regional Office Kalaburagi for information and necessary action.

2. Master Register.
3. Case file.

Consent Fee paid : Rs. 10000000

SCHEDULE

TERMS AND CONDITIONS

A. TREATMENT AND DISPOSAL OF EFFLUENTS UNDER THE WATER ACT.

1. The discharge from the premises of the occupier shall pass through the terminal manhole/manholes where from the Board shall be free to collect samples in accordance with the provisions of the Act/Rules made there under.

2(a). The sewage/domestic effluent shall be treated in septic tank and with soak pit. No overflow from the soak pit is allowed. The septic tank and soak pit shall be as per IS 2470 Part-I & Part-II.

2(b). The treated sewage effluent discharged shall conform to the standards specified in Annexure-I.

3(a). The trade effluent generated in the industry shall be treated in the ETP and treated effluent shall confirm to the standards stipulated by the Board in Annexure-I

3(b).The trade effluent shall be handed over to CETP and maintain logbook of effluent generated & sent every day.

4. The applicant shall install flow measuring/recording devices to record the discharge quantity and maintain the record.

5. The applicant shall not change or alter either the quality or the quantity or the place of discharge or temperature or the point of discharge without the previous consent/ permission of the Board.

6. The applicant shall not allow the discharge from the other premises to mix with the discharge from his premises. Storm water shall not be allowed to mix with the effluents on the upstream of the terminal manhole where the flow measuring devices are installed.

7. The daily quantity of domestic effluent and trade effluent from the industry shall not exceed the limits as indicated in this consent order:

8. The applicant shall discharge the effluents only to the place mentioned in the Consent order and discharge of treated/untreated outside the premises is not permitted.

B. EMISSIONS:

1. The discharge of emissions from the premises of the applicant shall pass through the air pollution control equipment and discharged through stacks/chimneys mentioned in **Annexure-II** where from the Board shall be free to collect the samples at any time in accordance with the provisions of the Act and Rules made there under.The tolerance limits of the constituents forming the emissions in each of the stacks shall not exceed the limits laid down in Annexure-II.

2. The applicant shall provide port holes for sampling of emission, access platforms for carrying out stack sampling, electrical points and all other necessary arrangements including ladder as indicated in Annexure-II.

3. The applicant shall upgrade/modify/replace the control equipment with prior permission of the Board.

C.MONITORING & REPORTING:

1. The applicant shall get the samples of effluents & emissions collected and get them analyzed once a month/either by in house monitoring laboratory or through EP approved laboratories for the parameters as Indicated in Annexure I & II.

2. The applicant shall maintain log books to reflect the working condition of pollution control systems and also self monitoring results and keep it open for inspection.

D. SOLID WASTE (OTHER THAN HAZARDOUS WASTE) DISPOSAL:

1.The applicant shall segregate solid waste from Hazardous Waste, Municipal Solid Waste and store it properly till treatment/disposal without causing pollution to the surrounding Environment.

2.The solid waste generated shall be handled & disposed by scientific method without causing eye sore to the general public and to the surrounding environment.

E. NOISE POLLUTION CONTROL:

The applicant shall ensure that the ambient noise levels within its premises during construction and during operational period shall not exceed w.r.t Area/Zone as per Noise Pollution (Regulation and Control) Rules, 2000 as mentioned below:-

a) In Industrial Area 75 dB(A) Leq during day time and 70 dB(A) Leq during night time.

b) In Commercial Area 65 dB(A) Leq during day time and 55 dB(A) Leq during night time.

c) In Residential Area 55 dB(A) Leq during day time and 45 dB(A) Leq during night time.

d) In Silence Zone 50 dB(A) Leq during day time and 40 dB(A) Leq during night time.

Note: - * Day time shall mean 6 am to 10 pm and Night time shall mean 10 pm to 6 am.

* dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

* A "decibel" is a unit in which noise is measured.

* "A", in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.

* Leq: It is an energy mean of the noise level over a specified period.

F. HAZARDOUS AND OTHER WASTES (MANAGEMENT & TRANSBOUDARY MOVEMENT)Rules 2016:

The applicant shall comply with the provisions of the Hazardous and other Wastes (Management & Transboundry Movement) Rules 2016.

G. GENERAL CONDITIONS:

1. The applicant shall obtain prior permission from the competent authority for drawing of water from Surface/Ground water source and submit a copy of the same to the Board.

2. The applicant shall not allow the discharge from the other premises to mix with the discharge from his premises.

3. The applicant shall promptly comply with all orders and instructions issued by the Board from time to time or any other officers of the Board duly authorized in this behalf.

4. The applicant shall set-up Environmental Cell comprising of qualified and competent personnel for complying with the conditions specified.

5. The Board reserves the right to review, impose additional conditions, revoke, change or alter terms and conditions of this consent.

6. The applicant shall forthwith keep the Board informed of any accidental discharge of emissions/effluents into the atmosphere in excess of the standards laid down by the Board. The applicant shall also take corrective steps to mitigate the impact.

7. The applicant shall provide alternate power supply sufficient to operate all Pollution control equipments.

8. The entire premises shall always be kept clean. The effluent holding area, inspection chambers, outlets, flow points should made easily approachable.

9. The applicant shall display the consent granted in a prominent place for perusal of the inspecting officers of the Board.

10. The applicant his heirs, legal representatives or assignee shall have no claims what so ever to the continuation or renewal of this consent after expiry of the validity of consent.

11. The applicant shall make an application for consent for subsequent period at least 120 days before expiry of this consent.

12. The applicant shall develop and maintain adequate green belt all around the periphery.

13. The applicant shall provide rain water harvesting system and shall provide proper storm water management system.

14. This consent is issued without prejudice to any Court Cases pending in any Hon'ble Court

15. The applicant shall furnish the Environmental statement for every financial year ending with 31st March in Form-V as per Environment (Protection) Rules, 1986. The statement shall be furnished before the end of September.

16. The applicant shall display flow diagram of the pollution control system near the pollution contol system/s

NOTE:

The Conditions A (2(a) & 3(b)) mentioned in the schedule are not applicable.

Additional Conditions:

1. The occupier shall comply with all the Additional Conditions and Standards stipulated in Annexures-I, A & B attached with this consent order.
2. This consent order contains 17 pages including Additional Conditions and Annexures.
3. The products with quantities, water consumption, waste water generation, mode of disposal with standards, air pollution sources with control measures mentioned in Additional Conditions attached with this order shall be considered and to be complied by the industry.

Chim.No.	Chimney attached to	Capacity/ KVA Rating	Minimum chimney height to be provided above ground level (in Mts)	Constituents to be controlled in the emission	Tolerance limits mg/NM3	Fuel	Air pollution Control equipment to be installed,in addition to chimney height as per col.(4)	Date of which air pollution control equipments shall be provided to achieve the stipulated tolerance limits and chimney heights conforming to stipulated heights.
1	Any Other.....	Line-1 - Additive Crusher 500 TPH	20	PM,SO2,NOx,CO, NMHC	-,-,-,-,-		FIL	At all times
2	Any Other.....	Line-1 - Ash handling System	10	PM,SO2,NOx,CO, NMHC	-,-,-,-,-		FIL	At all times
3	Any Other.....	Line-1 - Coal bunker	25	PM,SO2,NOx,CO, NMHC	-,-,-,-,-		FIL	At all times
4	Any Other.....	Line-1 - Coal Conveying transfer tower	40	PM,SO2,NOx,CO, NMHC	-,-,-,-,-		FIL	At all times
5	Any Other.....	Line 1 Coal crusher	15	PM,SO2,NOx,CO, NMHC	-,-,-,-,-		FIL	At all times
6	Any Other.....	Line-1 - Screen	15	PM,SO2,NOx,CO, NMHC	-,-,-,-,-		FIL	At all times
7	Any Other.....	Line-1 - Silo to belt discharge (Packing Plant -3 Nos)	30	PM,SO2,NOx,CO, NMHC	-,-,-,-,-		FIL	At all times
8	Any Other.....	Line-1 - Silo Bottom	9	PM,SO2,NOx,CO, NMHC	-,-,-,-,-		FIL	At all times
9	Any Other.....	Line-1 - Cement elevator bottom	20	PM,SO2,NOx,CO, NMHC	-,-,-,-,-		FIL	At all times
10	Any Other.....	Line 1 - Fly Ash Silo Top	52	PM,SO2,NOx,CO, NMHC	-,-,-,-,-		FIL	At all times
11	Any Other.....	Line-1 - Silo elevator bottom raw mill	20	PM,SO2,NOx,CO, NMHC	-,-,-,-,-		FIL	At all times

12	Any Other....	Line 1 - Fly Ash Bin	20	PM,SO2,NOx,CO, NMHC	-,-,-,-,-		FIL	At all times
13	Any Other....	Line 1 - Cooler Discharge	10	PM,SO2,NOx,CO, NMHC	-,-,-,-,-		FIL	At all times
14	Any Other....	Line-1 Calibration Bin Coal Mill	20	PM,SO2,NOx,CO, NMHC	-,-,-,-,-		FIL	At all times
15	Any Other....	Line -1 Fine coal bin venting	44	PM,SO2,NOx,CO, NMHC	-,-,-,-,-		FIL	At all times
16	Any Other....	Line-1 Fine coal bin venting	44	PM,SO2,NOx,CO, NMHC	-,-,-,-,-		FIL	At all times
17	Any Other....	Line-1 Fine coal bin venting	44	PM,SO2,NOx,CO, NMHC	-,-,-,-,-		FIL	At all times
18	Any Other....	Line-1 Raw Mill Silo Top	84	PM,SO2,NOx,CO, NMHC	-,-,-,-,-	fugitive emission	FIL	At all times
19	Fugitive Emission	Line -1 Rejected handling	25	PM,SO2,NOx,CO, NMHC	fugitive emission		FIL	At all times
20	Clinker Silo	Line-1 Clinker Hopper Bottom	20	PM,SO2,NOx,CO, NMHC	0,0,0,-,-		BGH	At all times
21	Clinker Silo	Line-1 Clinker Silo Top	55	PM,SO2,NOx,CO, NMHC	0,0,0,-,-	-	BGH	At all times
22	Clinker Silo	Line-1 Clinker Hopper Top	35	PM,SO2,NOx,CO, NMHC	0,0,0,-,-		BGH	At all times
23	Cement Silo	Line-1 Cement Silo top (3 no.s)	52	PM,SO2,NOx,CO, NMHC	-,-,-,-,-	PM	BGH	At all times
24	Any Other....	Line-1 1200 TPH Limestone Crusher	30	PM,SO2,NOx,CO, NMHC	150,0,0,-,-	PM < 150 mg/Nm3	BGH,PRT	At all times
25	Any Other....	Line-2 Lime Stone Crusher - 1500 TPH	30	PM,SO2,NOx,CO, NMHC	150,0,0,-,-	PM < 150 mg/Nm3	BGH,PRT	At all times
26	Coal Mill	Line-2 Coal Mill	60	PM,SO2,NOx,CO, NMHC	30,0,0,-,-	PM	BGH,PRT	At all times

27	Cement Mill	Line-2 Cement Mill	50	PM,SO2,NOx,CO, NMHC	30,0,0,-,-	PM	BGH,PRT	At all times
28	Cooler Exit	Line-2 Cooler	71	PM,SO2,NOx,CO, NMHC	30,0,0,-,-	PM	ESP,PRT	At all times
29	Raw Mill Kiln	Line-2 Kiln/Raw mill Stack	170	PM,SO2,NOx,CO, NMHC	30,100,600,-,-	PM, SOX, NOx	BGH,PRT	At all times
30	Boiler	Line-1 CPP 30MW	97	PM,SO2,NOx,CO, NMHC	50,600,450,-,-	COA	ESP,PRT	At all times
31	Cement Mill	Line-1 Cement Mill	55	PM,SO2,NOx,CO, NMHC	30,0,0,-,-	PM	BGH,PRT	At all times
32	Coal Mill	Line-1 Coal Mill	145	PM,SO2,NOx,CO, NMHC	30,0,0,-,-	PM	BGH,PRT	At all times
33	Raw Mill Kiln	Line-1 Kiln / Raw mill Stack	144	PM,SO2,NOx,CO, NMHC	30,100,800,-,-	PM, SO2, NOx	BGH,PRT	At all times
34	Cooler Exit	Line-1 Cooler	38	PM,SO2,NOx,CO, NMHC	30,0,0,-,-	PM < 30 mg/Nm3	ESP,PRT	At all times

Note:

FIL : Bag Filter

FIL : Bag Filter

BGH : Bag House

BGH : Bag House

BGH,PRT : Bag House

BGH,PRT : Bag House

BGH,PRT : Bag House

ESP,PRT : E.S.P

BGH,PRT : Bag House

ESP,PRT : E.S.P

Note:

1. The DG set shall be provided with acoustic measures as per SI.No.94 in Schedule-I of Environment (Protection)Rules.

2. There shall be no smell or odour nuisance from the industry.

LOCATION OF SAMPLING PORTHOLES, PLATFORMS, ELECTRICAL OUTLET.

1. Location of Portholes and approach platform:

Portholes shall be provided for all chimneys, stacks and other sources of emission. These shall serve as the sampling points. The sampling point should be located at a distance equal to atleast eight times the stack or duct diameters downstream and two diameters upstream from source of low disturbance such as a Bend, Expansion, Construction Valve, Fitting or Visible Flame for rectangular stacks, the equivalent diameter can be calculated from the following equation.

$$\text{Equivalent Diameter} = \frac{2\,(\text{Length} \times \text{Width})}{(\text{Length} + \text{Width})}$$

2. The diameter of the sampling port should not be less than 100 mm dia". Arrangements should be made so that the porthole is closed firmly during the non sampling period

3. An easily accessible platform to accommodate 3 to 4 persons to conveniently monitor the stack emission from the portholes shall be provided. Arrangements for an Electric Outlet Point of 230 V 15 A with suitable switch control and 3 Pin Point shall be provided at the Porthole location.

4. The ladder shall be provided with adequate safety features so as to approach the monitoring location with ease.

For and on behalf of the
Karnataka State Pollution Control Board

Signature Not Verified
Digitally signed by
Date: 2024.06.27 15:06:25 +05:30

ADDITIONAL CONDITIONS

[PCB ID: 10474]

ADDITIONAL CONDITIONS TO ACCOMPANY THE CONSENT FOR OPERATION (CFO) ORDER ISSUED TO M/S CHETTINAD CEMENT CORPORATION PVT LTD., CEMENT PLANT & CAPTIVE POWER PLANT, SANGAM – K VILLAGE, CHINCHOLI TALUK, KALABURAGI DISTRICT

<table>
<tr><td>A</td><td>GENERAL</td></tr>
<tr><td>1</td><td>The validity of this Consent for Operation (CFO) is valid for the period from 01.07.2024 to 30.06.2029.</td></tr>
<tr><td>2</td><td>This CFO is issued for the following manufacturing the following;
Cement - 5.9 Million TPA
Clinker – 5.2 Million TPA
Power generation in Captive Power Plant – 30 MW
Power generation using WHRB - 7 MW</td></tr>
<tr><td>3</td><td>The industry shall comply with EC issued from the MoEF & CC vide No. J-11011/57/2011-IA II(I) dated: 20.10.2015 and amendment to EC issued from the MoEF & CC vide No.J-11011/57/2011-IA II(I) dated: 09.03.2020.</td></tr>
<tr><td>4</td><td>The Industry shall comply with the MoEF & CC Notification No. GSR 612 (E) dated 25.08.2014, No. GSR. 496(E) dated 9.5.2016 and GSR 497(E) dated 10.05.2016 w.r.t. cement industries.</td></tr>
<tr><td>5</td><td>The project authorities shall obtain all other statutory permissions under all such Acts whichever is applicable. This consent will not prevent operation of other laws in force. Failing to comply with any such provision will attract penal action under such Acts. The project authorities shall be solely responsible for such violations. This consent should not be used to circumvent any other statutory provisions.</td></tr>
<tr><td>B</td><td>WATER POLLUTION CONTROL</td></tr>
<tr><td>1</td><td>The source of water is from rain water collected in mine pits and 8 No's of Bore wells. The industry shall comply with the terms and conditions of the NOC issued by Karnataka Ground Water Authority for drawing ground water and permission issued by WRD, GoK for drawing water from Mullamari River.</td></tr>
<tr><td>2</td><td>The details of water consumption & wastewater generation, mode of treatment and disposal shall be as follows.
<table>
<tr><th>Sl. No.</th><th>Particulars</th><th>Water consumption in KLD</th><th>Wastewater discharge in KLD</th></tr>
<tr><td>1.</td><td>Domestic (colony & Plant)</td><td>342</td><td>274</td></tr>
<tr><td>2.</td><td>Gardening</td><td>35</td><td>-</td></tr>
<tr><td>3.</td><td>Industrial Purpose</td><td></td><td></td></tr>
<tr><td></td><td>a) Process</td><td>1500</td><td>--</td></tr>
<tr><td></td><td>b) Boiler Feed</td><td>285</td><td>176</td></tr>
<tr><td>4.</td><td>Others/dust suppression</td><td>63</td><td>--</td></tr>
<tr><td></td><td>Total</td><td>2225</td><td>450</td></tr>
</table></td></tr>
<tr><td>3</td><td>The sewage generated from the residential colony and industrial plant shall be treated in STPs of capacity 300 KLD (located in the colony) and 150 KLD (located in the plant premises) to the standards stipulated in Annexure-A and the treated sewage shall be used for gardening within the premises.</td></tr>
<tr><td>4</td><td>The boiler blow down from the CPP shall be treated in the ETP and reused for cement plant process and dust suppression within the Plant premises.</td></tr>
</table>

C	AIR POLLUTION CONTROL:
1	The discharge of air emissions from the premises of the applicant shall pass through the air pollution control equipment and discharged through stacks/chimneys mentioned in **Annexure - B** where from the Board shall be free to collect the samples at any time in accordance with the provisions of the Act and Rules made there under.
2	The type of emissions, tolerance limits, stack heights and the Air pollution equipment shall be installed / provided as specified in **Annexure -B.** The stacks shall have port holes and platforms as per the guidelines specified to facilitate monitoring of emissions
3	The industry shall upgrade/modify/replace/change the control equipment /chimney height, if stack/ air pollution control equipments attached to any of the source/s is/are found inadequate to meet the standards stipulated in **Annexure -B**. Prior permission of the Board shall be obtained for the same
4	In-plant control measures for controlling fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage for raw materials/finished products, closed handling & conveyance of chemicals/materials, providing high efficiency bag filters / multi cyclone separator and water sprinkling system.
5	Suitable dust suppression system shall be provided at loading and unloading areas to control fugitive dust emissions. Industry shall provide de-dusting bag filters to control the fugitive emissions at all transfer points/ grinding, mixing & packing section.
6	All internal roads shall be metaled and dust suppression system including water sprinkling system shall be provided on internal roads to prevent fugitive emissions.
7	Industry shall provide permanent facility for spraying water on roads and raw material storage yard for controlling fugitive dust emission.
8	The industry shall cover all the raw materials with tarpaulin to ensure that there shall not be any fugitive emission.
9	The industry shall maintain good housekeeping all-round the industry.
10	The industry shall comply with the Board Office Addendum dated 12.06.2024 w.r.t. Retrofitting of Emission Control Devices (RECD) to the Diesel Generator Sets as follows: a. Use of certified RECD from approved manufacturers for in-use DG Sets of 61 KW to 800 KW (1000 KVA) capacity which are older than five years from date of manufacturing and up to its useful life (i.e., 15 years from the date of manufacturing or 50,000 hours of operation, whichever is earlier) or use of duel fuel system for in-use DG Sets of less than 800 KW capacity up to its useful life as mentioned above or shifting to gen-sets meeting emission norms as per GSR 804 E dated 3.11.2022. b. Adopt any suitable Air Pollution Control Device (APCD) strictly subject to compliance to emission standards notified vide GSR 489 E dated 09.07.2002 for DG Sets more than 800 KW.
D	**HAZARDOUS WASTE MANAGEMENT**
1	The hazardous and other wastes shall be handled in accordance with the provisions of Hazardous Wastes (Management, Handling & Transboundary Movement) Rules 2016. The applicant shall comply with the terms and conditions of the authorisation issued under the said Rules
2	The applicant shall provide separate closed shed with impervious flooring for

<table>
<tr><td></td><td>storage of hazardous/other wastes and AFR. The leachate generated from the storage area shall be collected and co-processed in the cement kiln.</td></tr>
<tr><td>E</td><td>FLY ASH MANAGEMENT</td></tr>
<tr><td>1</td><td>The applicant shall comply with Fly Ash Notification dated: 31.12.2021 issued by MoEF & CC, GoI, New Delhi. The applicant shall furnish Annual Returns in the prescribed format as per Fly Ash Notification.</td></tr>
<tr><td>2</td><td>The applicant shall provide closed silos for storage of fly ash.</td></tr>
<tr><td>F</td><td>USE OF PET COKE FOR CLINKER PRODUCTION</td></tr>
<tr><td>1</td><td>The permitted quantity of pet coke for clinker production in the industry shall be as below.
<table>
<tr><th>Quantity of Pet coke permitted in Tons / Annum.</th><th>Source of pet coke</th></tr>
<tr><td>5,04,000</td><td>i) Imported (or)
ii) Domestic pet coke purchased from refineries in India (or)
iii) Combination of the above</td></tr>
</table></td></tr>
<tr><td>2</td><td>The industry shall submit monthly report on pet coke with respect to the purchase, consumption and balance quantities.</td></tr>
<tr><td>G</td><td>SELF MONITORING AND REPORTING</td></tr>
<tr><td>1</td><td>The project proponent shall carry out Environmental monitoring as per EIA/ EMP submitted to MoEF &CC, GoI for obtaining EC and submit the report to the Board.</td></tr>
<tr><td>2</td><td>The applicant shall carryout the Ambient Air Quality Monitoring through the Continuous Ambient Air Quality Monitoring Stations (CAAQMS) and the data shall be connected to the CPCB server. The CAAQM Stations shall be maintained as per CPCB guidelines.</td></tr>
<tr><td>3</td><td>The applicant shall monitor the fugitive emissions in the plant premises at least once in a quarter through labs recognised under the EP Act and submit reports to the Board.</td></tr>
<tr><td>4</td><td>The applicant shall provide Online Continuous Emission Monitoring System (OCEMS) to the stack attached to Cement Mill, Coal Mill, RABH & Kiln Stack, Cooler, CPP and connected to the CPCB & KSPCB servers as per CPCB circular No.B-29016/04/06/PCI-II dated 23.12.2016. The OCEMS shall be calibrated at regular intervals.</td></tr>
<tr><td>H</td><td>GENERAL</td></tr>
<tr><td>1</td><td>The applicant shall provide the Best Available Technology and Pollution Control Systems in the industry to mitigate environment pollution.</td></tr>
<tr><td>2</td><td>The industry shall comply with the "Guidelines for Pre-Processing and Co-Processing of Hazardous and Other Wastes in Cement Plant as per H&OW(M & TBM) Rules, 2016" issued by CPCB during July 2017.</td></tr>
<tr><td>3</td><td>Fly ash shall be transported in bulkers and coal shall be conveyed through closed conveyor system to control fugitive emissions</td></tr>
<tr><td>4</td><td>The applicant shall adopt solar energy harvesting to reduce the dependency on the fossil fuel based energy sources.</td></tr>
<tr><td>5</td><td>The applicant shall carryout intensive plantation / green belt development as per the conditions of EC.</td></tr>
<tr><td>6</td><td>The applicant shall not discharge treated /untreated sewage / effluent outside the premises at any point of time.</td></tr>
<tr><td>7</td><td>The industry shall implement Storm Water Management Plan to harvest the rain</td></tr>
</table>

	water and utilise the harvested rain water for process, utilities, dust suppression and green belt development in order to reduce the drawl of fresh water from river. The storm water shall not be allowed to mix with effluent/treated sewage.
8	The industry shall comply with Plastic Waste Management Rules, 2016 (with up to date amendments), E- Waste Management Rules, 2016 (with up to date amendments), Bio-medical Waste Management Rules, 2016 (with up to date amendments) and Battery Waste Management Rules, 2022 if applicable.
9	The applicant shall adopt the principles listed in the Mission Life – Lifestyle for Environment List of Actions enlisted on the URL, https://moef.gov.in/en/mission-life/list-of-actions/ towards an environmentally conscious lifestyle and shall impart training to inmates on the same.
10	The applicant shall submit half yearly consent conditions compliance report to the Board on or before 30th October for the period April to September and on or before 30th April for the period October to March.
11	The applicant shall submit Form V as per Environment (Protection) Rules 1986 before 30th September every year for the previous financial year.
12	The applicant shall obtain insurance under Public Liability Insurance Act 1991 and also pay equivalent premium to the Environment Relief Fund (ERF) as per the said Act and submit copy of the policy within 15 days.
13	The Industry shall conduct awareness programmes on Environmental Pollution Control among employees and community.
14	Non-compliances to the conditions stipulated, Board has the right to withdraw the consent.
15	The applicant shall apply for renewal of this consent at least 120 days prior to its expiry by filing the prescribed application form along with prescribed fees.

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ANNEXURE -A

DISCHRAGE STANDARDS FOR SEWAGE TREATMENT PLANTS

Sl. No.	Characteristics	Standards
1	pH	5.5 to 9
2	BOD, mg/l (3 days at 27^0 C)	Not more than 10
3	TSS, mg/l	Not more than 20
4	COD, mg/l	Not more than 50
5	NH_4-N, mg/l	Not more than 5
6	N-Total, mg/l	Not more than 10
7	Faecal Coliform (MPN/100ml)	Less than 100

Note: All efforts should be made to remove colour and unpleasant odour as far as practicable.

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ANNEXURE-B

DETAILS OF AIR POLLUTION SOURCES AND POLLUTION CONTROL MEASURES TO BE PROVIDED

Sl. No.	Chimney attached to	Minimum chimney height to be provided in m AGL	Constituents to be controlled in the emission.	Tolerance limits in mg/Nm^3	Air Pollution Control equipment to be installed, in addition to Chimney height as per Col (3)
Line -1					
1	Raw Mill & Kiln	144	PM	30	Reverse Air Bag House (RABH)
			SO_2	100	
			NO_x	800	
			HCl	10	
			HF	1	
			TOC	10	
			Hg and its compounds	0.05	
			Cd+TI and their compounds	0.05	
			Sb+As+Pb+Co+Cr+Cu+Mn+Ni+V & their compounds	0.5	
			Dioxins and Furans	0.1 ngTEQ/ Nm^3	
2	Coal Mill	145	PM	30	Bag House
3	Clinker cooler	38	PM	30	ESP
4	Cement Mill	55	PM	30	Bag House
5	Rejected handling	25	-	-	Bag Filter
6	Raw Mill silo top	84	-	-	Bag Filter
7	Fine coal bin venting	44	-	-	Bag Filter
8	Fine coal bin venting	44	-	-	Bag Filter
9	Fine coal bin venting	44	-	-	Bag Filter
10	Calibration bin Coal mill	20	-	-	Bag Filter
11	Cooler discharge	10	-	-	Bag Filter
12	Clinker silo top	55	-	-	Bag Filter
13	Fly ash bin	20	-	-	Bag Filter
14	Cement silo top (3Nos)	52	-	-	Bag Filter
15	Clinker hopper top	35	-	-	Bag Filter
16	Silo elevator bottom Raw mill	20	-	-	Bag Filter
17	Fly ash silo top	52	-	-	Bag Filter
18	Cement elevator bottom	20	-	-	Bag Filter
19	Clinker hopper bottom	20	-	-	Bag Filter
20	Silo bottom	9	-	-	Bag Filter
21	Silo to belt discharge (packing plant -3 nos)	30	-	-	Bag Filter
22	Lime Stone Crusher 1200 TPH	30	PM	150	Bag Filter

23	Screen	15	-	-	Bag Filter
24	Coal crusher	15	-	-	Bag Filter
25	Coal Conveying transfer tower	40	-	-	Bag Filter
26	Coal bunker	25	-	-	Bag Filter
27	Ash handling system	10	-	-	Bag Filter
28	CPP- 1 x 30 MW Boiler capacity) permitted fuel -Coal	97	PM	50	Bag Filter
			SO_2	600	
			NO_X	450	
29	Additive Crusher 500TPH	20			Bag Filter
Line -2					
30	Lime Stone Crusher 1500 TPH (under construction)	30	PM	150	Bag Filter
31	Raw Mill & Kiln	170	PM	30	Reverse Air Bag House (RABH)
			SO_2	100	
			NO_x	600	
			HCl	10	
			HF	1	
			TOC	10	
			Hg and its compounds	0.05	
			Cd+TI and their compounds	0.05	
			Sb+As+Pb+Co+Cr+Cu+Mn+Ni+V & their compounds	0.5	
			Dioxins and Furans	0.2 ngTEQ/ Nm^3	
32	Clinker Cooler	71	PM	30	ESP
33	Coal Mill	60	PM	30	Bag House
34	Cement Mill	50	PM	30	Bag House

Note:

1. AGL – Above Ground Level
2. The chimneys of stipulated heights and air pollution control equipments shall be installed and operated at all times. All the chimneys shall be provided with porthole and platforms as per the guidelines stipulated in the order to enable stack monitoring.
3. All transfer points shall be provided with bag filters to prevent fugitive dust emissions.
4. The conveyor belts shall be suitably covered to avoid fugitive dust emissions. The silos shall be provided with bag filters.
5. The Industry shall comply with the MoEF & CC Notification No. GSR 612 (E) dated 25.08.2014, No. GSR 496 (E) dated 09.05.2016 and GSR 497(E) dated 10.05.2016 w.r.t. cement industries.

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