



Karnataka State Pollution Control Board
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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-348156	10474	288852	RED/LARGE	21/03/2025

**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: **21/03/2025 to 30/06/2029**



ISO 9001:2015 & 14001:2015 Certified

Combined Consent Order No: AW-348156

PCB ID: 10474

GSC No : PBOXG0000278852

Date: 21/03/2025

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 03/02/2025
 2. Inspection of the Industry/organization/by RO, on 01/02/2025
 3. Proceedings of the ECM dated 13/03/2025 ,held on 12/03/2025

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	Boiler Feed	285.000	176.000	Refer Additional Conditions
2	Domestic Purpose	342.000	274.000	Refer Additional Conditions
3	Others	63.000	0.000	Refer Additional Conditions
4	Others	35.000	0.000	Refer Additional Conditions
5	Processing whereby water gets polluted and the pollutants are easily bio-degradable	1500.000	0.000	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)	27.0000	Mega Watt

Validity through : 21/03/202 to 30/06/2029

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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. 2500000

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 & TRANSBOUNDARY MOVEMENT) Rules 2016:

The applicant shall comply with the provisions of the Hazardous and other Wastes (Management & Transboundary 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 be 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 whatsoever 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 control system/s

NOTE:

The Conditions Nil mentioned in the schedule are not applicable.

Additional Conditions:

1. The occupier shall comply with all the Additional Conditions attached with this consent order.
2. This consent order contains 11 pages including Additional Conditions and Annexures.
3. The products with quantities, water consumption, wastewater 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.
4. This CFO – Expansion is granted for operation of “Waste Heat Recovery System – 20 MW” in addition to existing WHRB - 7 MW (Total -27 MW). The consented quantities of Cement - 5.9 Million TPA, Clinker – 5.2 Million TPA and Power generation in Captive Power Plant – 30 MW shall remain unaltered.
5. This CFO- Expansion order shall be valid for the period up to 30.06.2029 (concurrent with the validity of current CFO order) from the date of issue of this consent order.

Chimney 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,C O, NMHC	-,,-,-,-		FIL	At all times
2	Any Other....	Line-1 - Ash handling System	10	PM,SO2,NOx,C O, NMHC	-,,-,-,-		FIL	At all times
3	Any Other....	Line-1 - Coal bunker	25	PM,SO2,NOx,C O, NMHC	-,,-,-,-		FIL	At all times
4	Any Other....	Line-1 - Coal Conveying transfer tower	40	PM,SO2,NOx,C O, NMHC	-,,-,-,-		FIL	At all times
5	Any Other....	Line 1 Coal crusher	15	PM,SO2,NOx,C O, NMHC	-,,-,-,-		FIL	At all times
6	Any Other....	Line-1 - Screen	15	PM,SO2,NOx,C O, NMHC	-,,-,-,-		FIL	At all times
7	Any Other....	Line-1 - Silo to belt discharge (Packing Plant -3 Nos)	30	PM,SO2,NOx,C O, NMHC	-,,-,-,-		FIL	At all times
8	Any Other....	Line-1 - Silo Bottom	9	PM,SO2,NOx,C O, NMHC	-,,-,-,-		FIL	At all times
9	Any Other....	Line-1 - Cement elevator bottom	20	PM,SO2,NOx,C O, NMHC	-,,-,-,-		FIL	At all times
10	Any Other....	Line 1 - Fly Ash Silo Top	52	PM,SO2,NOx,C O, NMHC	-,,-,-,-		FIL	At all times
11	Any Other....	Line-1 - Silo elevator bottom raw mill	20	PM,SO2,NOx,C O, NMHC	-,,-,-,-		FIL	At all times

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

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

T

BGH,PR : Bag House

T

BGH,PR : Bag House

T

ESP,PRT : E.S.P

BGH,PR : Bag House

T

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



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ADDITIONAL CONDITIONS

(PCB ID: 10474)

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

1. This CFO - Expansion is granted for operation of **“Waste Heat Recovery System - 20 MW” in addition to existing WHRB - 7 MW (Total -27 MW)**. The consented quantities of Cement - 5.9 Million TPA, Clinker - 5.2 Million TPA and Power generation in Captive Power Plant - 30 MW shall remain unaltered.
2. This CFO- Expansion order shall be **valid for the period up to 30.06.2029** (concurrent with the validity of current CFO order) from the date of issue of this consent order.
3. The applicant shall comply with terms and conditions of the Consent for Operation (CFO) issued by the Board vide No. AW-343984 PCB ID: 10474 dated: 27.06.2024 valid for the period up to 30.06.2029.
4. The wastewater generation (boiler blow down) from the additional WHRS - 20 MW shall not exceed 46 KLD. The same shall be treated in the existing ETP and the treated water shall be used for dust suppression within the plant premises.
5. There shall not be any additional air pollution sources from the WHR System. There shall not be any increase in fuel consumption from the WHR System.
6. The air pollution sources, stipulated chimney heights and air pollution control measures and emission standards shall be as per the Consent for Operation (CFO) issued by the Board vide No. AW-343984 PCB ID: 10474 dated: 27.06.2024 valid for the period up to 30.06.2029.
7. There shall not be any additional hazardous /other wastes generation from the proposed expansion activity.
8. In the Consent for Operation (CFO) Order issued by the Board vide No. AW-343984 PCB ID: 10474 dated: 27.06.2024 valid for the period up to 30.06.2029, in Additional Conditions, Annexure B, Sl No.28, the Air Pollution Control Equipment for Captive Power Plant -30 MW shall be read as 'Electrostatic Precipitator' in place of 'bag filter'.


SENIOR ENVIRONMENTAL OFFICER

17 CATEGORY & E-GOV

2/3