



**ANDHRA PRADESH POLLUTION CONTROL BOARD**  
**Dr. YSR Paryavaran Bhavan, APIIC Colony Road,**  
**Gurunanak Colony, Autonagar, Vijayawada- 520007**  
 Website :<https://pcb.ap.gov.in/>



**RED CATEGORY**  
**FRESH (1<sup>st</sup>) CONSENT TO OPERATE ORDER**

**Consent Order No./APPCB/VJA/GNT/CTO/HO/2024-**

**Date:25/04/2024**

CONSENT is hereby granted for Operation under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21/22 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and Authorization under Rule 6 of the Hazardous & Other Wastes (Management and Transboundary, Movement) Rules, 2016 and the rules and orders made there under (hereinafter referred to as 'the Acts', 'the Rules') to:

**M/s. Chettinad Cement Corporation Private Limited,**  
**(Captive power plant)**

**Sy. No 184, 185 etc., of Pedagarlapadu (V)**

**Sy. No 642 & 643 of Kesanupalli (V),**

**Dachepalli (M), Palnadu District**

**Mobile:- 7997979615**

**Email: [enviromdachepalli@chettinadcement.com](mailto:enviromdachepalli@chettinadcement.com)**

(Hereinafter referred to as 'the Applicant') authorizing to operate the industry to discharge the effluents from the outlets and the quantity of Emissions per hour from the chimneys as detailed below:

i. Out lets for discharge of effluents:

Outlet No.	Outlet Description	Max Daily Discharge (KLD)	Point of Disposal
1	<b>Captive Power Plant</b>		
	a. Cooling Tower Blow down	<b>31.0</b>	After Treatment in Neutralization tank, the neutralized waste water shall be used for greenbelt development and for dust suppression
	b. Boiler Blow down	<b>15.0</b>	
	c. DM/RO Rejects	<b>35.0</b>	
	<b>Total</b>	<b>81.0</b>	

Note: As per the RO mail dt. 24.04.2024, the Domestic effluent generated from the CPP unit is already included in the existing CTO order dt. 27.02.2024.

ii. Emissions from chimneys:

S.no	Emission	Control equipment provided
1	Attached to 130 TPH coal fired boiler	ESP with Stack

This consent order is valid for the following products\* along with quantities indicated only:

S.No	Name of the Products	Quantity
1	Captive Power Plant through coal fired boiler	1x30 MW

Fuels :

S.No	Name of the Major Raw material / material used in the Activity	Quantity Per Annum	Quantity per day
1	Imported Coal (100%)	0.159 Million TPA	441.6 TPD
2	Indian Coal (100%)	0.259 Million TPA	719.4 TPD

This order is subject to the provisions of 'the Acts' and the Rules' and orders made thereunder and further subject to the terms and conditions incorporated in the schedule A&B enclosed to this order.

This order of consent is valid for a period ending with **28.02.2029**.

B SREEDHAR IAS, MS(BS), O/o MEMBER SECRETARY-APPCB

To

**M/s. Chettinad Cement Corporation Private Limited,  
Sy. No 184, 185 etc., of Pedagarlapadu (V)  
Sy. No 642 & 643 of Kesanupalli (V),  
Dachepalli (M), Palnadu District**

Copy to:

1. The Joint Chief Environmental Engineer, Zonal Office, **VIJAYAWADA** for information.
2. The E.E. Regional Office, **GUNTUR** for information and necessary action.

#### **SCHEDULE – A**

1. Any up-set condition in any industrial plant / activity of the industry, which result in, increased effluent / emission discharge and/ or violation of standards stipulated in this order shall be informed to this Board, under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge / emission below the limits.
2. The mining unit should carryout analysis of waste water discharges or emissions through chimneys for the parameters mentioned in this order on quarterly basis and submit to the Board.
3. All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 should be followed as applicable.
4. The mining unit should put up two sign boards (6x4 ft. each) at publicly visible places at the main gate indicating the products, effluent discharge standards, air emission

- standards, hazardous waste quantities and validity of CTO and exhibit the CTO order at a prominent place in the factory premises.
5. Notwithstanding anything contained in this consent order, the Board hereby reserves the right and powers to review / revoke any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.
  6. The mining unit shall ensure that there shall not be any change in the process technology, source & composition of raw materials and scope of working without prior approval from the Board.
  7. The applicant shall submit Environment statement in Form V before 30th September every year as per Rule No.14 of E(P) Rules, 1986 & amendments thereof.
  8. The applicant should make applications through Online for renewal of Consent (under Water and Air Acts) and Authorization under HWM Rules at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts and detailed compliance of CFO conditions for obtaining Consent & HW Authorization of the Board.
  9. The mining unit should immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions. Any change in the management shall be informed to the Board. The person authorized should not let out the premises / lend / sell / transfer their industrial premises without obtaining prior permission of the State Pollution Control Board.
  10. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to Appellate authority constituted under Section 28 of the Water(Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air(Prevention and Control of Pollution) Act, 1981.
  11. The mining unit shall be liable to pay Environmental Compensation / Other Environmental Taxes, if any environmental damage caused to the surroundings, as fixed by the Collector & District Magistrate or any other competent authority as per the Rules in vogue.
  12. The mining unit may explore the possibility of tapping the solar energy for their energy requirements.
  13. The mining unit should educate the workers and nearby public of possible accidents and remedial measures.

#### **SCHEDULE - B**

**The item was placed in the Consent Management (CTO) committee meeting held on 15.04.2024. The industry shall comply with the following conditions:**

1. The industry shall not store coal or any other raw material in open area.
2. The industry shall complete the construction of 6 m. height wind barrier in the remaining 100 m length pending out of 1.7 Km length.
3. The industry shall maintain rain water harvesting / recharging structures. The industry shall maintain dry condition in & outside drains during non-rainy season.
4. The industry shall provide separate energy meters for Sewage Treatment Plant **within 1 month** and shall maintain log records
5. The facility shall provide any fume extraction system with vacuum ducts (or) scrubbers at Hazardous waste pre-processing closed shed in compliance with the SOP.

6. The industry shall install digital display boards **within 2 months** at publicly visible places at the main gate indicating the products manufactured Vs permitted quantities, Treated effluent concentrations Vs discharge standards, Stack emission & AAQ concentrations Vs standards, hazardous waste generation, disposed, stock Vs permitted quantities and validity of CFO; and exhibit the CFO order at a prominent place in the factory premises, as per Hon'ble Supreme Court order.
7. The industry shall submit second half yearly compliance reports, audited by accredited environmental consultant of MoEF&CC recognized and National Accreditation Board for Laboratory Testing (NABL).

**WATER POLLUTION:**

8. The mining unit shall take steps to reduce water consumption to the extent possible and consumption should NOT exceed the quantities mentioned below:

<b>S.No.</b>	<b>Purpose</b>	<b>Quantity in KLD</b>
1.	Captive Power Plant	
	a) Cooling	<b>81.0</b>
	b) DM/RO plant(boiler feed)	<b>70.0</b>
	c) Domestic	<b>30.0</b>
	<b>Total</b>	<b>181.0 KLD</b>

9. Separate meters with necessary pipe-line shall be maintained for assessing the quantity of water used for each of the purposes mentioned above.
10. The industry shall not discharge any wastewater outside the industry premises under any circumstances

**AIR POLLUTION:**

11. The emissions shall not contain constituents in excess of the prescribed limits mentioned below, as per notifications of MoEF&CC, GoI issued vide G.S.R.612 (E), Dt. and G.S.R. 496 (E), Dt. 09.05.2016:

<b>Chimney No.</b>	<b>Parameter</b>	<b>Emission Standards</b>
1	Particulate Matter	30 mg/Nm <sup>3</sup>
	SO <sub>2</sub>	100 mg/Nm <sup>3</sup>
	NO <sub>x</sub>	100 mg/Nm <sup>3</sup>
	Hg and its compounds	0.03 mg/Nm <sup>3</sup>

12. The industry shall ensure regular maintenance and operating online stack monitoring facility for the stack attached to Coal fired CFBC Boiler of capacity 130 TPH and shall ensure calibration from time to time for the online stack monitoring analyzers.
13. The industry shall ensure regular maintenance and operation of the online stack emission monitoring system with tamper proof mechanism having facilities for online calibration.
14. The mining unit shall comply with Ambient Air Quality Standards of PM<sub>10</sub> (Particulate Mater Size less than 10 µm)-100µ/M<sup>3</sup>; PM<sub>2.5</sub> (Particulate Mater Size less than 2.5 µm)-60

µg/m<sup>3</sup>; SO<sub>2</sub> 80 µg/m<sup>3</sup>; NO<sub>X</sub>- 80 µg/m<sup>3</sup>; Carbon Monoxide (CO) – 02 µg/m<sup>3</sup> on the boundary of the industry. Standards for other parameters as mention in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I,dt. 18.11.2009

Noise Levels: Day time :(06.00 A.M to 10.00 P.M.) – 75 dB (A)

Night time :(10.00 P.M to 06.00 A.M.) – 70 dB (A)

**SOLID WASTE:**

15. The proponent shall comply with the following:

<b>S. No</b>	<b>Source of solid waste</b>	<b>Quantity</b>	<b>Method of disposal</b>
1	Fly ash generation for 100% Indian coal utilisation	292.5 TPD	To utilize in the cement plant.
2	Bottom ash generation from Indian coal	32.5 TPD	To utilise bed material for boiler or laying of roads
3	Fly ash generation for 100% Imported Coal utilisation	48 TPD	To utilize in the cement plant.
5	Bottom ash generation from Imported coal	5 TPD	To utilise bed material for boiler or laying of roads

**GENERAL:**

16. The industry shall not use pet coke as fuel in the Captive Power Plant under any circumstances.
17. The industry shall provide closed sheds of adequate capacity to store all the raw materials and shall provide MDSS to control fugitive dust emissions from transit storage of these raw materials.
18. There shall not be any open storage of coal and other dusty raw materials in the premises
19. The industry shall provide dust containment measures during unloading of dumpers near coal yard, lime stone stock pile & other raw materials.
20. The industry shall provide the monitoring system to all the stacks / vents in the plant.Regular monitoring shall be carried out and report shall be submitted to the Regional officer.
21. The industry shall not increase the capacity beyond the permitted capacity mentioned in this order, without obtaining CTE/CTO of the Board.
22. The industry shall develop Green belt in an area of 33% of total area of the industry.
23. The industry shall comply with all the conditions stipulated in the EC order issued by MoEF&CC, GoI.
24. The industry shall maintain the following records and the same shall be made available to the Board Officials during the inspection:
  - a. Daily production details, RG-I records.
  - b. Quantity of Effluents generated, treated, recycled/reused and disposed.
  - c. Log Books for pollution control systems.
  - d. Characteristics of ambient air, effluents and emissions.
  - e. Hazardous/non hazardous solid waste generated and disposed.
  - f. Inspection book.
  - g. Manifest copies of hazardous waste.
25. Fly ash shall be utilized as per the provisions of Fly ash Notification, 1999, subsequently amended in 2003.

26. The industry shall comply with the directions issued by the Board from time to time.
27. The industry shall submit Environment statement in Form-V before 30th September of every year as per Rule No.14 of E(P) Rules, 1986 & amendments.
28. The following rules and regulations notified by the MoEF&CC, GoI shall be implemented:
  - a. Regulation of Persistent Organic Pollutants Rules, 2018.
  - b. Hazardous waste and other wastes (Management and Transboundary Movement) Rules, 2016.
  - c. Plastic Waste Management Rules, 2016.
  - d. Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989.
  - e. Fly Ash Notification, 2016.
  - f. Batteries (Management & Handling) Rules, 2010.
  - g. E-Waste (Management) Rules, 2016.
  - h. Construction and Demolition waste Management Rules, 2016.
  - i. Solid Waste Management Rules, 2016.
  - j. The Public Liability Insurance Act, 1991 and its amendments thereof.
29. The industry shall comply with standards and directions issued by APPCB / CPCB / MoEF& CC as and when notifications are issued from time to time.
30. The industry shall submit Half yearly compliance reports to all the stipulated conditions in Environmental Clearance (EC), Consent to Establishment (CTE) and Consent To Operation (CTO) through website i.e., <https://pcb.ap.gov.in> by 1st of January and 1st July of every year. The first half yearly compliance reports shall be furnished by the industry and second half yearly compliance reports shall be the audited through MoEF&CC recognized and National Accreditation Board for Laboratory Testing (NABL) accredited third party.
31. The industry shall install digital display boards at publicly visible places at the main gate indicating the products manufactured Vs permitted quantities, Treated effluent concentrations Vs discharge standards, Stack emission & AAQ concentrations Vs standards, hazardous waste generation, disposed, stock Vs permitted quantities and validity of CTO; and exhibit the CTO order at a prominent place in the factory premises, as per Hon'ble Supreme Court order.
32. Concealing the factual data or submission of fabricated data and failure to comply with any of the conditions mentioned in this order attracts action under the provisions of relevant pollution control Acts.
33. Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves its right and power Under Sec.27(2) of Water (Prevention and Control of Pollution) Act, 1974 and Under Sec.21(4) of Air (Prevention and Control of Pollution) Act, 1981 to revoke the order, to review any or all the conditions imposed herein and to make such modifications as deemed fit and stipulate any additional conditions by the Board.
34. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules, 1982, to such authority (hereinafter referred to as the Appellate Authority) constituted under Section 28 of Water (Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.
35. The Board reserves its right to modify above conditions or stipulate any additional conditions in the interest of environment protection.

B SREEDHAR IAS, MS(BS), O/o MEMBER SECRETARY-APPCB

**To**

**M/s. Chettinad Cement Corporation Private Limited,  
Sy. No 184, 185 etc., of Pedagarlapadu (V)  
Sy. No 642 & 643 of Kesanupalli (V),  
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