



ANDHRA PRADESH POLLUTION CONTROL BOARD
D.No.33-26-14D/2, Near Sunrise Hospital, Pushpa Hotel Centre,
Chalamalavari Street, Kasturibaipet, Vijayawada – 520 010
Phone. No.0866-2463200, Website : <https://pcb.ap.gov.in>

**RED CATEGORY
 CONSENT & AUTHORIZATION ORDER**

Consent Order No : APPCB/VSP/VSP/ 11022/100/ HO/CFO/2021- 27/09/2021

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 Authorisation 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,
Gaithulapalem, Thallapalem And Narsapuram Villages,
Kasimkota Mandal, Visakhapatnam District
E-mail: tech@chettinadcement.com

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

i. Outlets for discharge of effluents:

Outlet No.	Outlet Description	Max Daily Discharge KLD	Point of Disposal
1	Domestic wastewater	8.8 KLD	After treatment in STP, the treated wastewater shall be used onland for irrigation, within the industry premises duly meeting the Board's discharge standards (BOD-30 mg/l)

ii) Emissions from chimneys:

Chimney No.	Description of Chimney	Quantity of Emissions at peak flow
1	Attached to 370 TPH cement mill	--
2	Attached to Packing Plant(3 nos)180 TPH	--

iii) HAZARDOUS WASTE AUTHORISATION (FORM – II) [See Rule 6 (2)]:
 M/s. Chettinad Cement Corporation Private Limited, Gaithulapalem, Thallapalem And Narsapuram Villages, Kasimkota Mandal, Visakhapatnam District is hereby granted an authorization to operate a facility for collection, reception, storage, treatment, transport and disposal of Hazardous Wastes namely:

- **HAZARDOUS WASTES WITH RECYCLING OPTION:**

Sl. No	Name of Hazardous Waste	Stream	Quantity	Method of disposal
1.	Used oil	5.1 of Schedule - I	450 LPA	Shall be used as lubricant within the premises by maintaining manifest system / Shall be routed through M/s. APEMC so as to send to authorized agencies for re-processors / recyclers (as recyclable waste).

This consent order is valid to manufacture the following products along with quantities indicated only:

S.No.	Product	Quantity
1.	Ordinary Portland Cement (OPC)/ Portland pozzolana Cement (PPC)	2.0 MTPA (Million tons per Annum)

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 & C enclosed to this order.

This combined order of consent & Hazardous Waste Authorization shall be valid for a period ending with the **31st day of July, 2026.**

BATCHU SIVA PRASAD, CEE(BSP), O/o CHIEF ENVIRONMENTAL ENGINEER-APPCB

To

**M/s. Chettinad Cement Corporation Private Limited,
Gaithulapalem, Thallapalem And Narsapuram Villages,
Kasimkota Mandal, Visakhapatnam District**

Copy to :

1. The JCEE, Zonal Office, **Visakhapatnam** for information and necessary action.
2. The Environmental Engineer, Regional Office, **Visakhapatnam** 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 industry 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 industry 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 CFO and exhibit the CFO 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 industry 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 industry 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 industry 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 industry may explore the possibility of tapping the solar energy for their energy requirements.
13. The industry should educate the workers and nearby public of possible accidents and remedial measures.

SCHEDULE-B

1. The industry shall develop the balance green belt of 22 acres, within six months and maintain minimum 33% green Belt.
2. The industry shall provide concrete roads in the plant to avoid the fugitive dust emissions. Vacuum / pneumatic dust collection system shall be used for cleaning the internal roads, by 22.12.2021.
3. The industry shall submit a copy of the amendment of EC for change of configuration of cement mills at the Regional Office, Visakhapatnam, by 30.09.2021.
4. The industry shall connect the online stack monitoring facility of the cement mill to the APPCB/CPCB server, by 22.10.2021.
5. The industry shall connect 2 CAAQMS stations to the APPCB server, by 22.10.2021.

WATER POLLUTION:

6. The source of water is Ground Water. The following is the permitted water consumption:

Sl. No.	Purpose	Quantity (KLD)
1	Cooling	304.0
2	Dust suppression	25.0
3	Domestic	11.0
4	Green belt	110.0
	Total	450.0

Separate meters with necessary pipe-line shall be maintained for assessing the quantity of water used for each of the purposes mentioned above.

7. The effluent discharged shall not contain constituents in excess of the tolerance limits mentioned below:

Outlet	Parameter	Limiting Standards (mg/l except for pH)
1	pH	5.50 – 9.00
	Total Suspended Solids (TSS at 103 – 1050C)	<100.00
	Oil and Grease	10.00
	Biochemical Oxygen Demand (BOD ₃ at 270C)	30.00
	Fecal Coliform (FC) (Most Probable Number per 100 milliliter, MPN/100ml)	<1000 MPN/100 ml

8. The industry shall construct separate storm water drains and provide rain water harvesting structures. No effluents shall be discharged in to the storm water drains.
9. Effluents shall not be discharged onland or any water bodies or aquifers or outside under any circumstances.
10. Rain water shall not be allowed to mix with domestic wastewater. Industry shall maintain storm water drains, properly.
11. The industry shall operate STP continuously and provide digital flow meter at inlet and outlet of STP.

AIR POLLUTION:

12. The emissions shall not contain constituents in excess of the prescribed limits mentioned below:

Chimney No.	Parameter	Emission Standards
1 & 2	Particulate Matter	30.mg/Nm ³

13. The industry shall comply with standards / stack height etc., stipulated in the GSR 612 (E) dated 25.08.2014 and GSR 496 (E) dated 09.05.2016 notified by MoEF&CC, GoI.

14. The industry shall comply with ambient air quality standards of PM₁₀ (Particulate Matter size less than 10mm) - 100 mg/ m³; PM_{2.5} (Particulate Matter size less than 2.5 mm) - 60 mg/ m³; SO₂ - 80 mg/ m³; NO_x - 80 mg/m³, outside the factory premises at the periphery of the industry.

Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009.

Noise Levels: Day time (6 AM to 10 PM) - 75 dB (A)

Night time (10 PM to 6 AM) - 70 dB (A)

- 15.The industry shall comply with emission limits for DG sets of capacity upto 800 KW as per the Notification G.S.R.520 (E), dated 01.07.2003 and G.S.R.448(E), dated 12.07.2004 under the Environment (Protection) Act Rules. In case of DG sets of capacity more than 800 KW shall comply with emission limits as per the Notification G.S.R.489 (E), dated 09.07.2002 at serial no.96, under the Environment (Protection) Act, 1986.
- 16.The overall noise levels in and around the plant shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc., on all sources of noise generation.
- 17.The industry shall provide a sampling port with removable dummy of not less than 15 cm diameter in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc. A platform with suitable ladder shall be provided below 1 meter of sampling port to accommodate three persons with instruments. A 15 AMP 250 V plug point shall be provided on the platform.
- 18.The industry shall maintain permanent water sprinklers at all the raw material handling areas to control fugitive dust emissions.
- 19.The industry shall maintain adequate dust collection and extraction system to control the fugitive dust emissions at various transfer points, raw material handling, packing section etc. Air pollution control equipment such as Bag filters shall be maintained at Raw material hoppers, clinker grinding vertical roller mill, Raw material storage silos.
- 20.The industry shall maintain 25% additional bags as spare in the bag houses to meet the emergency requirements.
- 21.The industry shall not store slag / gypsum/dusty raw materials etc openly in the plant premises particularly towards village side of the plant. The industry shall securely store gypsum and coal in a covered shed and silos for fly ash collection.
- 22.The industry shall cover all the raw material transfer point conveyer belts with GI sheets.
- 23.Gaseous emission levels including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits. Guidelines / Code of Practice issued by the CPCB shall be followed. The emission standards issued for the Cement plant shall be followed.
- 24.The industry shall ensure that the height for piling of raw material, semi finished / finished products / solid waste within the plant premises at least 1 feet less than the height of the compound wall. The above mentioned material shall not be piled between the compound wall and the greenbelt.
- 25.The industry shall implement and maintain requisite measures to control fugitive emissions being generated during loading / unloading of rakes, so to avoid air pollution to nearby villagers and surrounding agriculture fields.
- 26.The industry shall maintain interlocking system for APC equipment provided with raw material feeding system so that the feeding of raw material would be stopped in case the
- 27.The industry shall maintain separate energy meters for Air pollution Control equipments to record energy consumed. An alternative electric power source sufficient to operate all pollution control systems shall be provided.
- 28.The industry shall operate mechanical road sweeping machines regularly.

GENERAL:

- 29.The industry shall not manufacture new products and not exceed the consented capacity without CFE/CFO of the Board.

- 30.The industry shall maintain storm water drains regularly without stagnation of any solid waste.
- 31.The industry shall maintain Machinery beyond a distance of 400 m from the human habitation.
- 32.The industry shall transport raw material / finished products through Rail / Road transport.
- 33.The industry shall maintain the following records and the same shall be made available to the inspecting officers of the Board:
 - a. Daily production details (ER-1 Central Excise Returns).
 - b. Quantity of Effluents generated, treated, recycled.
 - c. Log Books for pollution control systems.
 - d. Characteristics of effluents and emissions.
 - e. Hazardous/non hazardous solid waste generated and disposed.
 - f. Inspection book.
 - g. Manifest copies of effluents / hazardous waste.
- 34.Vacuum / pneumatic dust collection system shall be used for cleaning the internal roads.
- 35.The industry shall lay the cement / bitumen roads to control fugitive emissions during the heavy vehicular movement in the factory premises.
- 36.The industry shall maintain valid PLI policy which includes Environmental Relief Fund (ERF) and submit copy to RO, Visakhapatnam on yearly base.
- 37.The industry shall submit half-yearly compliance report for the schedule A,B& C conditions stipulated in CFO & HWA order audited through NABL / MoEF accredited laboratories, at RO, Visakhapatnam.
- 38.The industry shall submit AAQ monitoring reports conducted by authorised agency, regularly.
- 39.The industry shall comply with all the conditions stipulated in the earlier issued EC order and CFE orders.
- 40.Any other directions / circulars / notices issued by CPCB, MoEF&CC and APPCB shall be followed from time to time.

Special conditions:

- 41.The industry shall submit a copy of the NOC issued by the Andhra Pradesh State Disaster Response and Fire Service Dept., (APSDRFSD) at concerned Regional Office, APPCB.
- 42.The industry shall prepare a safety report and carry out an independent safety audit report of the respective industrial activities including chemical storages / isolated storages by an expert not associated with such industrial activity as required under Rule 10 of MSIHC Rules, 1989 and get it approved by the Factories Dept., and submit the compliance along with copy of the safety report, safety audit report and safety certificate at concerned Regional Office, APPCB.
- 43.The industry shall extend training to the working personnel for the prevention of accidents and necessary antidotes to ensure safety, as per the MSIHC Rules, 1989.
- 44.The industry shall carryout calibration of safety equipment and leak detection systems at regular intervals and shall certify the same with the Factories Department. That certified copy shall be submitted to the APPCB, Regional Office.
- 45.The industry shall install fluorescent Wind Vane at the highest point in the industry premises.
- 46.The industry shall submit Risk analysis and risk assessment covering worst scenario clearly describing impact within the industry premises and outside the industry premises and emergency response system.

47. The industry shall submit the copy of the safety audit report and On-Site / Off Site Emergency Plans as applicable after being certified by the Factories Department to the APPCB, Regional Office from time to time, if the storage quantity of hazardous chemicals is equal to or, in excess of the threshold quantities specified in schedule 2 & 3 of MSIHC Rules, 1989.

SCHEDULE – C

[See rule 6(2)]

**[CONDITIONS OF AUTHORISATION FOR OCCUPIER OR OPERATOR
HANDLING HAZARDOUS WASTES]**

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on “Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty”.
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. An application for the renewal of an authorisation shall be made as laid down under these Rules.
9. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.

Specific Conditions:

10. The industry shall not store hazardous waste for more than 90 days as per the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.
11. The industry shall store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal to the manufacturers / dealers on buyback basis.
12. The industry shall maintain 7 copy manifest system for transportation of waste generated and a copy shall be submitted to concerned Regional Office of APPCB. The driver who transports Hazardous Waste should be well acquainted about the procedure to be followed in case of an emergency during transit. The transporter should carry a Transport Emergency (TREM) Card.
13. The industry shall maintain proper records for Hazardous and Other Wastes stated in Authorisation in Form-3 i.e., quantity of Incinerable waste, land disposal waste, recyclable waste etc., and file annual returns in Form-4 as per Rule 20 (2) of the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.
14. Annual return shall be filed by June 30th for the period ensuring 31st March of the

year.

The industry shall submit Half yearly compliance reports to all the stipulated conditions in Environmental Clearance (EC), Consent for Establishment (CFE) and Consent for Operation (CFO) 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.

BATCHU SIVA PRASAD, CEE(BSP), O/o CHIEF ENVIRONMENTAL ENGINEER-APPCB

To

**M/s. Chettinad Cement Corporation Private Limited,
Gaithulapalem, Thallapalem And Narsapuram Villages,
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