



**ANDHRA PRADESH POLLUTION CONTROL BOARD**  
**Dr. YSR Paryavaran Bhavan, APIIC Colony Road,**  
**Gurunanak Colony, Autonagar, Vijayawada- 520007**  
**Phone. No.0866-2463200, Website: https://pcb.ap.gov.in/**



**RED CATEGORY**  
**RENEWAL OF CONSENT TO OPERATE & AUTHORIZATION ORDER**

**Order No: APPCB/VJA/NLR/161/CTO/HO/2024**

**Date:30/03/2024**

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 and Other Wastes (Management & Transboundary Movement) Rules, 2016 & Amendments thereof and the rules and orders made there under (here in after referred to as 'the Acts', 'the Rules') to:

**M/s. Chettinad Cement Corporation Private Limited (Lime stone mine),**  
**Sy. No. 181/1A,181-B/A etc., of Pedagarlapadu (v),**  
**Sy. No. 570/1&2,571/1 of Kesanupalli(v)**  
**Dachepalli(M), Palnadu District ,**  
**E-mail: [environdachepalli@chettinadcement.com](mailto:environdachepalli@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           | 8.0 KLD                 | Septic tank followed by soak pit |

**ii. Emissions from chimneys:----**

**iii. Hazardous Waste Authorization (Form – II) [See Rule 6 (2)]**

M/s. Chettinad Cement Corporation Private Limited (Mining),181/1A,181-B/A etc.,of Pedagarlapadu (v),Sy. No. 570/1&2,571/1 of Kesanupalli (v) of Dachepalli(M), Palnadu district , Erstwhile Guntur 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 Disposal Option:**

| S. No | Name of Hazardous Waste | Stream              | Quantity | Method of disposal  |
|-------|-------------------------|---------------------|----------|---|
| 1     | Waste oil               | 5.1 of Schedule – I | 250 LPA  | Shall be disposed to authorized agencies/used in the cement kiln through APEMC. |

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

**• Products:**

| S.No | Activity | Quantity |
|------|----------|----------|
|------|----------|----------|

|   |                      |                 |
|---|----------------------|-----------------|
| 1 | Mining of Lime Stone | 5.0 Million TPA |
|---|----------------------|-----------------|

This order is subject to the provisions of 'the Acts' and 'the Rules' and orders made there under 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 upto **31<sup>st</sup> March, 2029**.

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

**To**

**M/s. Chettinad Cement Corporation Private Limited(Lime stone mine),  
Sy. No. 181/1A,181-B/A etc.,of Pedagarlapadu (v),  
Sy. No. 570/1&2,571/1 of Kesanupalli(v)  
Dachepalli(M), Palnadu District.**

**Copy to:**

- 1. The JCEE, Zonal Office, Vijayawada for information and necessary action**
- 2. The EE Regional Office, Guntur for information and necessary action**

**SCHEDULE- A**

1. Any up-set condition in any industrial plant / activity of the mining unit, 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 shall 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. Not with standing anything contained in this consent order, the Board here by reserves the right and powers to review / revoke any and/or all the conditions imposed hereinabove and to make such variations as deemed fit for the purpose of the Acts by the Board.
5. 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.
6. 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.
7. 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.
8. 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.

9. 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 30 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.
10. The conditions stipulated are without prejudice to the rights and contentions of this Board in any Hon'ble court of law.
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 issue of CTO&HWA (Fresh) to the mining unit was placed in the Consent Management Committee meeting held on 20.03.2024. The mining unit shall comply the following conditions::**

1. The mining unit shall develop buffer zone (greenery) of width 50 m on either side of the nalla passing through the lease areas as stipulated in CTE order dt:10.02.2016.
2. The mining unit shall complete the construction of garland drains, sump, trench for diverting storm water and rainfall.
3. The mining unit shall provide the details for utilization of water generated in the mine area.
4. The mining unit shall development of green belt of width 7.5 m all along the boundary of the mine lease area, along the roads etc., by planting the native species during entire life of the mine.

**Water Pollution:**

5. The source of water being Bore well. The following is the permitted water consumption:

| S. No | Purpose                       | Quantity       |
|-------|-------------------------------|----------------|
| 1     | Sprinkling (dust suppression) | 100 KLD        |
| 2     | Domestic                      | 10 KLD         |
|       | <b>Totall</b>                 | <b>110 KLD</b> |

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

6. The mining unit shall comply with the following discharge standards before utilizing for onland for plantation:

| Outlet | Parameters | Concentrationin mg/l |
|--------|------------|----------------------|
|--------|------------|----------------------|

|   |                |            |
|---|----------------|------------|
| 1 | pH             | 5.50 – 9.0 |
|   | TSS            | 200 mg/l   |
|   | BOD            | 100 mg/l   |
|   | Oil and Grease | 10 mg/l    |

7. The mining unit shall ensure that no natural water course shall be obstructed due to any mining operations.
8. Catch drains and siltation ponds of appropriate size shall be constructed for the working pit, inter burden and mineral dumps to arrest flow of silt and sediment. The water so collected should be utilized for watering the mine area, roads, greenbelt development, etc. The drains shall be regularly desilted, particularly after monsoon and maintained properly.
9. Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and inter burden dumps by August, 2019 and sump capacity shall be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site.
10. The mining unit shall provide a trench for storm water draining from the mine lease area to aid in preventing the sedimentation of silt and avoid siltation at the discharge end of check dams.
11. The mining unit shall take appropriate mitigative measures to prevent pollution of nearby river and other surface water body.
12. The mining unit shall explore the possibility to convert mined area into a reservoir by plugging the leakages.
13. Ground water tables levels shall be monitored every season. Any lowering of ground water table in comparison to the previous seasons should be reported to Board immediately. Discarded pits should be allowed to fill with water.
14. The mining unit shall undertake suitable artificial recharge measures in the project area for augmentation of ground water resources.

#### **Air Pollution:**

15. The mining unit shall ensure compliance with ambient air quality standards of PM<sub>10</sub> - 100 micro grams/ m<sup>3</sup>; PM<sub>2.5</sub> - 60 micro gram/ m<sup>3</sup>; SO<sub>2</sub> - 80 micro grams/ m<sup>3</sup>; NO<sub>x</sub> – 80 micro grams/m<sup>3</sup>, (day average standards). 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)

16. Ambient air quality monitoring stations shall be provided in core and buffer zone in down windward direction in consultation with concerned Regional Officer of APPCB for monitoring of PM<sub>2.5</sub>, PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub>. The consolidated report of the same shall be submitted.
17. The trucks carrying lime stone shall be fully covered with tarpaulin so that no lime stone dust / fine matters escape during the course of transportation.
18. The proponent shall comply with the following for controlling fugitive emissions.
  - Water spraying shall be done on the blasted muck pile before loading by excavator to suppress the dust.
  - To control dust from drilling operations, drilling with dust collectors/wet drilling shall be practiced. Also drill speeds shall be regulated as per manufacturer's guidelines.

- Regular Water spraying shall be done on haul roads and during unloading at crusher hopper to suppress the dust effectively.
  - Overloading of transport equipment shall be prevented in order to stop spillage.
- 19.The following rules and regulations notified by the MoEF&CC, GoI shall be implemented.
- a. Batteries (Management & Handling) Rules, 2010.
  - b. E-Waste (Management) Rules, 2016.
- 20.Top Soil, if any, shall be stacked with adequate measures with proper slope at earmarked site (s) only and shall be used for reclamation /plantation and rehabilitation of mined out areas.
- 21.All waste material shall be accommodated within the mining Lease area.
- 22.The mining unit shall comply with the following:

| <b>S. No</b> | <b>Type of Waste</b> | <b>Quantity</b>                   | <b>Method of disposal</b>           |
|--------------|----------------------|-----------------------------------|-------------------------------------|
| 1            | Black cotton soil    | 70,00,000 cum in the life of mine | Development of bund and green belt. |

**General:**

- 23.The mining unit shall maintain the following records and the same shall be made available to the inspecting officers of the Board:
- a. Daily production details.
  - b. Quantity of Effluents generated, treated, force evaporated, condensate generated and recycled/reused
  - c. Log Books for pollution control systems.
  - d. Characteristics of effluents, Ambient air quality and emissions.
  - e. Hazardous/Non-hazardous solid waste generated and disposed.
  - f. Inspection book.
  - g. Manifest copies of hazardous waste.
- 24.All mining products and rejects, irrespective of size and quality, shall be hauled away from the mine.
- 25.The proponent shall comply with the following for controlling noise emissions.
- a. Machineries shall be properly maintained to prevent undesirable noise.
  - b. Attention shall be paid towards rigorous maintenance of the silencers of diesel engines.
  - c. Surface drilling and blasting operations shall not be carried out at night.
  - d. The drilling shall be done with sharp drill bits to reduce generation of noise during drilling.
  - e. Controlled blasting with optimum charge per hole shall be practiced to reduce generation of noise.
  - f. Hydraulic rock breaker shall be used in lieu of secondary blasting.
  - g. Drill machine operators and dumper drivers shall be equipped with earplugs and earmuffs. The duty hours of operators working near the machinery shall be regulated to keep their noise exposure levels within limits.
  - h. Periodical monitoring of noise level of mining machines and at some locations in the mining site shall be done with the help of noise level meter.
- 26.Sequential blasting and use of non-electric delay detonators shall be adopted to reduce ground vibrations.
- 27.The proponent shall carryout studies on ground vibrations due to blasting activities. Based on the reports of every blast, the blasting parameters shall be modified if necessary with approval of concerned department.
- 28.Muffle blasting shall be done towards the villages side.

29. Vehicles should be well maintained and engine idling should be minimized. Vehicle cabs shall be made dust-proof.
30. The proponent shall develop green belt of width 7.5 m all along the boundary of the mine lease area OB dumps, along the roads etc., by planting the native species in consultation with the local DFO as stipulated in the CTE Order dt.10.02.2016. Further, buffer zone (greenery) of width 50m on either side of the nalla passing through the lease areas shall be developed as stipulated in CTE Order dt.10.02.2016.
31. The mining unit shall comply with standards and directions issued by CPCB /MoEF&CC as and when notifications are issued.
32. The mining unit shall submit compliance report on the conditions mentioned in the consent order every six months i.e., on 1st of January and July of every year to the Regional Office/ Zonal Office.
33. The mining unit 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 mining unit 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.
34. The conditions stipulated are without prejudice to the rights and contentions of this Board in any Hon'ble Court of Law.
35. Any other directions / circulars / notices / guidelines issued by CPCB, MoEF&CC and APPCB shall be followed from time to time.
36. The Board reserves its right to modify above conditions or stipulate any further conditions and to take action including revoke of this order in the interest of protection of public health and environment.

**SCHEDULE-C**

***[See rule 6 (2)]***

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

1. The authorized person shall comply with the provisions of the Environment (protection) Act, 1986, and the rules made there under.
2. The authorization shall be produced for inspection at the request of an officer authorized by the State Pollution Control Board.
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
5. The person authorized shall implement Emergency Response procedure(ERP)for which this authorization is being granted considering all sites 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 authorized 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 penalty".
7. It is the duty of the authorized person to take prior permission of the State Pollution Control Board to close down the facility.

8. An application for the renewal of an authorization shall be made as Laid down under these Rules.
9. The authorized person shall comply 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.
10. The mining unit shall comply with the provisions of HWM Rules, 2016 in terms of interstate transport of Hazardous waste and manifest document prescribed under Rule 18 and 19 of the HWM Rules, 2016.
11. The mining unit shall not store hazardous waste for more than 90 days as per the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.
12. The mining unit 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 buy back basis.
13. The mining unit 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 carries a Transport Emergency (TREM) Card.
14. The mining unit shall maintain proper records for Hazardous and Other wastes stated in Authorization in Form-3 i.e., quantity 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.
15. Annual return shall be filed by June 30<sup>th</sup> for the period ensuring 31<sup>st</sup> March of the year.

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

**M/s. Chettinad Cement Corporation Private Limited(Limestone mine),  
Sy. No. 181/1A,181-B/A etc.,of Pedagarlapadu (v),  
Sy. No. 570/1&2,571/1 of Kesanupalli(v),  
Dachepalli(M), Palnadu District**