



**ANDHRA PRADESH POLLUTION CONTROL BOARD**  
D.No. 33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre,  
Chalamalavari Street, Kasturibaipet, Vijayawada - 520010  
Website: www.appcb.ap.nic.in

**RED CATEGORY  
CONSENT & AUTHORIZATION ORDER**

**Consent Order No: APPCB/RO-GNT/348/HO/CFO/2019**

**06/05/2019**

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

**M/s. Chettinad Cement Corporation Private Limited, (Mining),  
Sy. No.181/1A, 181-B/A etc., of Pedagarlapadu Village,  
Sy. No.570/1&2, 571/1 of Kesanupalli Village,  
Dachepalli (M), Guntur District.  
E-mail: ramamoorthy.s@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	Point of Disposal
1	Domestic	8 KLD	Septic tank followed by Soak pit.

ii) Emissions from chimneys: ---

iii) Hazardous Waste Authorisation (Form – II) [See Rule 6 (2)]:

M/s. Chettinad Cement Corporation Private Limited, (Mining), 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 L/ Annum	To be disposed to authorized agencies /used in the cement kiln

**This consent order is valid for carrying out mining of the following mineral along with quantities indicated only:**

S. No	Product	Quantity
1.	Mining Lime Stone	5.0 Million TPA

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 **31<sup>st</sup> March, 2024**.

**BANDLA SIVA SANKARA PRASAD**  
**CHAIRMAN**

**To**

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

**Copy to:**

1. The JCEE, **ZO: Vijayawada** for information and necessary action.
2. The EE, **RO: 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 industry 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. The industry shall 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. Not withstanding 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 file the water cess returns in Form-I as required under section (5) of Water (Prevention and Control of Pollution) Cess Act, 1977 on or before the 5th of every calendar month, showing the quantity of water consumed in the previous month along with water meter readings. The industry shall remit water cess as per the assessment orders as and when issued by 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 shall 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. The industry shall 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 shall 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 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.

#### **SCHEDULE-B**

##### **Water Pollution:**

1. 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>Total</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.

2. The industry shall comply with the following discharge standards before utilizing for onland for plantation:

Outlet	Parameter	Concentration in mg/l
1.	pH	5.5 – 9.00
	TSS	200.00 mg/l
	Oil & Grease	10 mg/l
	BOD	100 mg/l

3. Separate water meters shall be provided to measure water consumption on or before 31.05.2019.
4. The industry shall ensure that no natural water course shall be obstructed due to any mining operations.
5. 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.
6. 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.
  7. The industry 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.
  8. The industry shall take appropriate mitigative measures to prevent pollution of nearby river and other surface water body.
  9. The industry shall explore the possibility to convert mined area into a reservoir by plugging the leakages.
  10. 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.
  11. The industry shall undertake suitable artificial recharge measures in the project area for augmentation of ground water resources.

**Air Pollution:**

12. The industry shall comply with ambient air quality standards of PM<sub>10</sub> (Particulate Matter size less than 10 $\mu$ m) - 100  $\mu$ g/ m<sup>3</sup>; PM<sub>2.5</sub> (Particulate Matter size less than 2.5  $\mu$ m) - 60  $\mu$ g/ m<sup>3</sup>; SO<sub>2</sub> - 80  $\mu$ g/ m<sup>3</sup>; NO<sub>x</sub> - 80  $\mu$ g/m<sup>3</sup>, 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)
13. 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.
14. 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.
15. 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.
16. 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.

17.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.

18.All waste material shall be accommodated with in the mining Lease area.

19.The proponent shall comply with the following:

Sl.No.	Type of Waste	Quantity	Method of disposal
1	Black cotton soil	70,00,000 cum in the life of mine	Development of bund and green belt

**General:**

20.The industry shall maintain the following records and the same shall be made available to the inspecting officers of the Board:

- Daily production details (ER-1 Central Excise Returns).
- Quantity of Effluents generated, treated, and disposed.
- Log Books for pollution control systems.
- Characteristics of ambient air, effluents.
- Hazardous/non hazardous solid waste generated and disposed.
- Inspection book.
- Manifest copies of hazardous waste.

21.All mining products and rejects, irrespective of size and quality, shall be hauled away from the mine.

22.The proponent shall comply with the following for controlling noise emissions.

- Machineries shall be properly maintained to prevent undesirable noise. Attention shall be paid towards rigorous maintenance of the silencers of diesel engines.
- Surface drilling and blasting operations shall not be carried out at night.
- The drilling shall be done with sharp drill bits to reduce generation of noise during drilling.
- Controlled blasting with optimum charge per hole shall be practiced to reduce generation of noise.
- Hydraulic rock breaker shall be used in lieu of secondary blasting.
- 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.
- 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.

23.Sequential blasting and use of non-electric delay detonators shall be adopted to reduce ground vibrations.

24.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.

25.Muffle blasting shall be done towards the villages side.

26.Vehicles should be well maintained and engine idling should be minimized. Vehicle cabs shall be made dust-proof.

27.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 CFE 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 CFE Order dt.10.02.2016.

- 28.The industry shall comply with standards and directions issued by CPCB / MoEF&CC as and when notifications are issued.
- 29.The industry shall submit compliance report on the conditions mentioned in the consent order every six months i.e., on 1<sup>st</sup> of January and July of every year to the Regional Office/ Zonal Office.

**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 or its renewal 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.
10. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
11. The authorised person shall not store hazardous waste for more than 90 days as per the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016.
12. The authorised person 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.
13. The authorised person 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.

- 14.The authorised person shall maintain proper records for Hazardous & other wastes stated in Authorization 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 6 (5) of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 and amendments thereof by June 30th for the period ensuring 31st March of the year.
- 15.The authorised person shall submit the condition wise compliance report of the conditions stipulated in Schedule A, B & C of this Order on half yearly basis to Board Office and concerned Regional Office.

**BANDLA SIVA SANKARA PRASAD**  
**CHAIRMAN**

**To**

**M/s. Chettinad Cement Corporation Private Limited, (Mining),  
Sy. No.181/1A, 181-B/A etc., of Pedagarlapadu Village,  
Sy. No.570/1&2, 571/1 of Kesanupalli Village,  
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