



REGD.POST WITH ACK.DUE

CONSENT ORDER FOR ESTABLISHMENT

Order No. 348 /PCB/CFE/RO-GNT/HO/2015

Dt. 10.02.2016.

Sub: PCB – CFE – M/s. Chettinad Cement Corporation Limited (Mining), 181/1A, 181-B/A etc., of Pedagarlapadu (v) 570/1 &2, 571/1 of Kesanupalli(v) of Dachepalli (M), Guntur District – Consent for Establishment of the Board under Sec.25 of Water (P&C of P) Act, 1974 and Under Sec.21 of Air (P&C of P) Act, 1981 – Issued – Reg.

- Ref:
1. CFE application received on 12.09.2014.
 2. R.O's inspection report dt. 16.09.2014.
 3. T.O. Ir.dt. 30.10.2014.
 4. EC Order dt.21.12.2015 issued by MoE&F, Gol, New Delhi.
 5. Proponent's Ir.dt. 23.12.2015.
 6. CFE Committee meeting held on 30.01.2016.

1. In the reference 1st cited, an application was submitted to the Board seeking Consent for Establishment (CFE) to produce the following with installed capacities as mentioned below, with a project cost of Rs. 10.00 Crores.

Sl. No.	Name of the product	Capacity Proposed
1	Mining Lime stone	5.0 Million TPA

2. As per the application, the above activity is to be carried out at Sy. No: 181/1A, 181-B/A etc., of Pedagarlapadu (v) 570/1 & 2, 571/1 of Kesanupalli(v) of Dachepalli (M), Guntur District. The area is falling with N 16°31.22.3" to N 16°33'51.8" and E 79°43'58.2" to 79°44'52.4" in a total area of 377.68 Ha.
3. The above site was inspected by the Asst. Environmental Engineer, Regional Office, Kurnool, A.P Pollution Control Board on 16.12.2014 and found that the site is surrounded by
North : Dry lands &Agricultural lands followed by Takkelapadu village
South : Dry lands &Agricultural lands followed by pedagarlapadu village at a distance of 0.1 Km
East : Dry lands &Agricultural lands
West : Dry lands &Agricultural lands
4. The Board, after careful scrutiny of the application and verification report of Regional Officer, hereby issues **CONSENT FOR ESTABLISHMENT for Lime Stone Mining activity** under Section 25 of Water (Prevention & Control of Pollution) Act 1974 and Section 21 of Air (Prevention & Control of Pollution) Act, 1981 and the rules made there under. **This order is issued to activity as mentioned at para (1) only.**
5. This Consent Order now issued is subject to the conditions mentioned in Schedule 'A' and Schedule 'B'.

6. This order is issued from pollution control point of view only. Zoning and other regulations are not considered.

Encl: Schedule 'A'
Schedule 'B'

Sd/-
MEMBER SECRETARY

To

**M/s Chettinad Cement Corporation Ltd.,
(Limestone mine in Dachepalli Mandal)
9th floor, Rani Seethai Hall Building,
#603 Annasalai, Chennai – 600006.
e-mail: sundarraj.s@chettinadcement.com**

Copy to: 1. The JCEE, Z.O., Vijayawada for information and necessary action.
2. The E.E., R.O, Guntur for information and necessary action.

-// T.C.F.B.O // -



Jt. Chief Environmental Engineer (UH-1)



SCHEDULE - A

1. The proponent shall obtain Consents for Operation (CFO) from APPCB, as required Under Sec.25/26 of the Water (P&C of P) Act, 1974 and under sec. 21/22 of the Air (P&C of P) Act, 1981, before commencement of the activity.
2. 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 review any or all the conditions imposed herein and to make such alternation as deemed fit and stipulate any additional conditions by the Board.
3. **This order is valid for period of 7 years from the date of issue.**

SCHEDULE – B

Water:

1. The source of water is ground water and the maximum permitted water consumption is 110.0 KLD.

Sl. No.	Purpose	Quantity (KLD)
1.	Domestic	10.00
2.	Sprinkling (Dust suppression)	100.00
	Total	110.00

2. The maximum waste water generation shall not exceed the following:

Sl. No.	Source	Quantity (KLD)
1.	Domestic	8.00
	Total	8.00

Treatment & Disposal:

Source of Effluent	Treatment proposed	Mode of final disposal
Domestic	STP	Onland for plantation (STP plant outlet)

3. The industry shall ensure that no natural water course shall be obstructed due to any mining operations.
4. 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.
5. Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and inter burden dumps 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. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits should be constructed at the corners of the garland drains and desilted at regular intervals.
6. The proponent has to 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.

7. The project proponent shall take appropriate mitigative measures to prevent pollution of nearby River and other surface water body.
8. Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for each of the purposes mentioned below.
 - a) Spraying in mine pits.
 - b) Domestic purposes.

Air:

9. 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.
10. 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.
11. The proponent shall ensure compliance of the National Ambient Air quality standards notified by MoE&F, GoI vide notification No. GSR 826(E), dated. 16.11.2009 during construction and regular operational phase of the project.
12. 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_{2.5}, PM₁₀, SO₂, NO_x. The consolidated report of the same shall be submitted.
13. Sequential blasting and use of non-electric delay detonators shall be adopted to reduce ground vibrations.
14. The generator shall be installed in a closed area with a silencer and suitable noise absorption systems. The ambient noise level shall not exceed 75 dB (A) during day time and 70 dB (A) during night time. The waste oil shall be used for lubrication in the earthmoving equipment.

Solid Waste:

15. The proponent shall comply with the following:

Sl. No.	Source	Quantity	Mode of disposal
1.	Black cotton soil	70,00,000 cum in the life of mine.	Development of bund and green belt
2.	Waste oil	250 ltr/annum	Disposed to authorized agencies / used in the cement kiln.
3.	Used batteries	4 nos / annum	Returned to dealers on buy back basis.

16. 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.

17. The following rules and regulations notified by the MoE&F, Gol shall be implemented.

- a) Hazardous waste (Management, Handling and Transboundary Movement) Rules, 2008.
- b) Batteries (Management & Handling) Rules, 2010.
- c) E-Waste (Management & Handling) Rules, 2011.

Other Conditions:

18. The proponent shall develop green belt of width 7.5 m all along the boundary of the mine lease area on OB dumps, along the roads etc., by planting the native species in consultation with the local DFO as stipulated in the EC Order dt.21.12.2015. Further, buffer zone (greenery) of width 50m on either side of the nalla passing through the lease area as stipulated in the EC order.
19. The proponent shall obtain Consent For Operation from the APPCB before the commencement of mining activity. This shall be strictly adhered to without fail.
20. The proponent shall explore the possibility to convert mined area into a reservoir by plugging the leakages.
21. 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.
22. Muffle blasting shall be done towards the village side.
23. The proponent shall ensure that there shall not be any change in the process technology and scope of working without prior approval from the Board.
24. The proponent shall comply with all the directions issued by the Board from time to time.
25. Concealing the factual data or submission of false information / fabricated data and failure to comply with any of the conditions mentioned in this order may result in withdrawal of this order and attracts action under the provisions of relevant pollution control Acts.

26. The Board reserves its right to modify above conditions or stipulate new / additional conditions and to take action including revoke of this order in the interest of environment protection.
27. 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.

Sd/-
MEMBER SECRETARY

To

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Jt. Chief Environmental Engineer (UH-1)