



**ANDHRA PRADESH POLLUTION CONTROL BOARD**

D. No. 33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre,  
Chalamalavari Street, Kasturibaipet, Vijayawada - 520 010  
Website: www.pcb.ap.gov.in

**CONSENT ORDER FOR ESTABLISHMENT**

**Order No.302/PCB/CFE/RO-KNL/HO/2020**

**17/06/2020**

Sub:PCB – CFE – **M/s. Ramco Cements Limited, Chintalayapalle (V) & Itikyala (V), Kolimigundla (M), Kurnool District** – Consent for Establishment for **491.55Ha Chintalayapalle Lime Stone Mine** 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. EC Order dt. 23.03.2020 issued by MoEF&CC, Gol, New Delhi.  
2. CFE application received through Single Desk System on 04.05.2020.  
3. R.O's inspection report dt.29.05.2020.  
4. CFE Committee meeting held on 09.06.2020

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1. In the reference 2<sup>nd</sup> 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. 29.33 Crores.

S. No.	Name of the Products and Capacity
1	Mining of Limestone – 4.0 Million TPA (Run-of-mine) & 5,21,800 m <sup>3</sup> of top soil over the life of mine in 491.55 Ha.

2. As per the application, the above activity is to be carried out at **Chintalayapalle (V) & Itikyala (V), Kolimigundla (M), Kurnool District**. The area is falling with 78<sup>0</sup> 05'26.1' E - 78<sup>0</sup> 07'06.4' E and 15<sup>0</sup> 01'20.5' N - 15<sup>0</sup> 02'37.7' N in a total area of 491.55 Ha.

3. The above site was inspected by the Environmental Engineer, Regional Office, Kurnool, A.P Pollution Control Board on 21.05.2020 and found that the site is surrounded by

**North** : Barren Lands followed by Itikyala Village  
**South** : Dry agricultural lands followed by Chintalayapalle  
**East** : Agricultural lands  
**West** : Rocky Area

4. The Board, after careful scrutiny of the application and verification report of Regional Officer, hereby issues **CONSENT FOR ESTABLISHMENT for Lime Stone Mining** 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.

**7. This order is valid for period of 7 years from the date of issue.**

Encl: Schedule 'A'  
Schedule 'B'

**BATCHU SIVA PRASAD, JCEE(BSP), O/o JOINT CHIEF ENVIRONMENTAL  
ENGINEER1-APPCB  
JOINT CHIEF ENVIRONMENTAL ENGINEER**

**To**

**M/s. The Ramco Cements Limited,  
D.No.2-77, 1<sup>st</sup> Floor, Jwala Complex,  
Kolimigundla ( V&M),  
Kurnool District- 518123.  
reddynagaraju@ramcocements.co.in**

**Copy to:** 1. The JCEE, ZO: Kurnool for information and necessary action.  
2. The E.E., RO: Kurnool for information and necessary action.

**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.

**SCHEDULE – B****Water:**

1. The source of water is \*Owk reservoir water and the maximum permitted water consumption is as follows:

S. No.	Purpose	Quantity (KLD)
a.	Dust suppression	100.0
b.	Development of greenbelt	15.0
c.	Domestic	10.0
	<b>Total * (fresh + recycled)</b>	<b>125.0 KLD</b>

**\* Water requirement will be initially met from cement plant from Owk reservoir and later rain water collected in the mine pits**

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

The maximum waste water generation shall not exceed the following:

S. No.	Source	Quantity (KLD)
a.	Domestic	8.0 KLD
	<b>Total</b>	<b>8.0 KLD</b>

**Treatment & Disposal:**

Source of effluent	Capacity of Treatment units	Mode of final disposal
Domestic	---	Septic tank followed by soak pit

The Mining unit proposes to construct garland drains and siltation pond for the working pit to arrest the flow of silt and sediments. The water collected shall be utilized for watering the mine area, roads, green belt development etc.

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 de-silted, 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 provided. Sump capacity with adequate retention period to allow proper settling of silt material should also be provided. Sedimentation pits should be constructed at the corners of the

garland drains and de-silted 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.

**Air:**

8. **The proposed mine is located at a distance of about 4 Km from the cement plant. Closed Conveyor belt system shall be provided to transport the Limestone from the mine to cement plant.**
9. The proponent shall comply with the following for controlling fugitive emissions.
  - Atomized water spray arrangement for the main haul roads leading to the mines.
  - Dust Bloc will be used for dust suppression on haulage roads of mines.
  - The air pollution control equipment like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation.
  - 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.
  - Overloading of transport equipment shall be prevented in order to stop spillage.
  - The Mine lease area consists of land parcels of two villages, Chintalayapalle and Itikyala. A village road trending NW-SE bisects the lease area into Block-1 and 2, of which Block-1 (East) is bigger than Block-2(West). Safety zones are proposed alongside the road. In the long run, it is proposed not to divert the village road and leave the safety zone of 50 m on either side. The High Tension line passing through lease boundary area, it will be diverted at a later date all along the village road passing by. However, till such time of diversion, the safe zone of 50m is maintained on either side.
  - As per the EC order dated: 23.03.2020, the Project Proponent shall install conveyor belt from mines to cement plant and transportation is only through conveyor belt expect in the case of maintenance & breakdown of conveyor belt, road transportation shall be carried out. PP shall keep the record of road transportation.
10. The proponent shall comply with the following for controlling noise emissions.
  - Machinery 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<sub>2.5</sub>, PM<sub>10</sub>, SO<sub>2</sub>, NOx. 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:

<b>S. No</b>	<b>Source of Solid Waste</b>	<b>Quantity</b>	<b>Method of Disposal</b>
a.	Top soil	5,21,800m <sup>3</sup> during the life of the mine	To utilize the soil completely for spreading the barrier zone for plantation.

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, GoI shall be implemented.

- a) Hazardous waste and other wastes (Management and Transboundary Movement) Rules, 2016.
- b) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989
- c) Batteries (Management & Handling) Rules, 2010.
- d) E-Waste (Management) Rules, 2016.
- e) Construction and Demolition waste Management Rules, 2016.

**Other Conditions:**

18. The proponent shall develop green belt of minimum 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. The total area of the greenbelt shall be 51.69 Ha over the life of the mine as stipulated in the Specific condition No.2 of EC order dt. 23.03.2020.
19. Drip irrigation shall be practiced for development of greenbelt as stipulated in the Specific condition No.3 of EC order dt. 23.03.2020.
20. The proponent shall obtain Consent For Operation from the APPCB before the commencement of mining activity. This shall be strictly adhered to without fail.
21. The proponent shall explore the possibility to convert mined area into a reservoir by plugging the leakages.
22. 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.
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 industry shall submit compliance to the conditions stipulated in the EC and CFE orders to the concerned Regional Officer of APPCB every six months and shall upload the same at APPCB website viz., [https://pcb.ap.gov.in/UI/Submission\\_Compliance\\_of\\_EC\\_CFE\\_CFO\\_Direction.aspx](https://pcb.ap.gov.in/UI/Submission_Compliance_of_EC_CFE_CFO_Direction.aspx)**
25. The proponent shall comply with all the directions issued by the Board from time to time.
26. 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.
27. 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.

28. 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.

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Signature Not Verified

Digitally signed by BATCHU  
SIVA PRASAD  
Date: 2020.06.17 17:58:57 IST  
Reason: Approved

