



**CONSENT ORDER FOR ESTABLISHMENT**

**Order No. 289 /APPCB/CFE/RO-KNL/HO/2019**

**Dt: 12 .05.2019**

Sub: APPCB – CFE - M/s. The Ramco Cement Ltd., Sy.Nos.171-1,171-2,171-3, 171-4, 171-5, 171-6, 171-7, 171-8,190-1, 190-2, 190-3, 190-4, 190-5, 190-6, 330-1, 330-2, 330-3, 330-4, 330-5, 330-6 etc., Kalvatata (V), Kolimigundla (M), Kurnool District – Consent for Establishment (CFE) 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. 14.01.2019 issued by MoEF&CC, Gol.  
2. Industry's CFE application received through AP OCMMS on 15.04.2019.  
3. R.O's inspection report dt. 24.04.2019.  
4. CFE Committee meeting held on 02.05.2019.

1. In the reference 2<sup>nd</sup> cited, an application was submitted to the Board seeking Consent for Establishment (CFE) for **Integrated Cement plant & Coal Based Thermal Power Plant** as following, with a project cost of Rs.1500.00 Crores (In two-Phases).

Sl. No.	Name of the Products and By-products	Capacity
1.	Cement	2.0 Million TPA
2.	Clinker (2x1.575 MTPA)	3.15 Million TPA
3.	Electricity ( Coal Based Captive Power Plant)	2 x 25 MW

2. As per the application, the above activity is to be located at Sy.Nos.171-1,171-2,171-3, 171-4, 171-5, 171-6, 171-7, 171-8,190-1, 190-2, 190-3, 190-4, 190-5, 190-6, 330-1, 330-2, 330-3, 330-4, 330-5, 330-6 etc., Kalvatata (V), Kolimigundla (M), Kurnool District in an area of 186.56 Ha.
3. The above site was inspected by the Environmental Engineer & Asst. Environmental Engineer, Regional Office, Kurnool, A.P Pollution Control Board on 22.04.2019 and found that the site is surrounded by the following:

**North** : Open lands  
**South** : SH-67 connecting Kolimigundla – Tadipatri – Anantapur.  
**East** : Open lands  
**West** : Open lands

4. The Board, after careful scrutiny of the application, verification report of Regional Officer and recommendations of the CFE Committee, hereby issues **CONSENT FOR ESTABLISHMENT** to the project 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 manufacture the products as mentioned at para (1) only.**

5. This Consent Order now issued is subject to the conditions mentioned in the Annexure.
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: Annexure.

**Bandla Siva  
Sankar  
Prasad**

Digitally signed by Bandla Siva  
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**CHAIRMAN**

**To**

**M/s. The Ramco Cement Ltd.,  
2-77, 1st Floor, Jwala Complex,  
Main Road, Kolimigundla,  
Kurnool District.**

[pbgk@ramcocements.co.in](mailto:pbgk@ramcocements.co.in)

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

## ANNEXURE

1. The proponent shall obtain Consents for operation 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. The applicant shall provide 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.
3. 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.

### Water:

4. As per para no. 7 of the EC order dt. 14.01.2019 the total water requirement of the integrated plant is estimated to be about 2000 m<sup>3</sup>/day. Initially ground water will be used for plant construction. An application is made for 2500 m<sup>3</sup>/day, which is in consideration of state government. Andhra Pradesh Government has initiated a proposal of 0.4 TMC reservoir at Mettupalli on Srisailem Right Bank Canal adjacent to OWK reservoir. The present ground water utilization is 30.97%. For the present proposal the utilization will be 2.51% and the total utilization of the study area will be 33.48% only and since it is well below the 70% of ground water availability, hence, categorized as safe.

The source of water requirement of the plant shall be met from rain water harvesting reservoir and the stored rain water from the mine pits. No ground water would be extracted nor will the permission be taken for the same **during operations** of the plant, as stipulated in the EC order. The maximum permitted water consumption is as following:

Sl. No.	Purpose	Quantity (KLD)
a)	Process (Cement Plant )	1000
b)	Boiler	500
c)	Dust Suppression	200
d)	Gardening	350
e)	Domestic (Plant & Colony)	250
	<b>Total</b>	<b>2300</b>

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

Sl. No.	Source	Quantity (KLD)
a)	Domestic (Plant & Colony)	200
b)	Boiler Blow Down	100
	<b>Total</b>	<b>300</b>

### **ETP Details & Mode of Disposal:**

Source of effluent	Treatment proposed	Mode of final disposal
Domestic (Plant & Colony)	Sewage Treatment Plant	Utilized for onland gardening
Boiler Blow Down	Neutralization Pit	Partly utilized for dust suppression and partly utilized for onland application

6. Under no circumstances the waste water shall be discharged outside the factory premises.
7. The effluents shall be treated to the on land for irrigation standards, stipulated under Environment (Protection) Rules, 1986, notified and published by Ministry of Environment and Forests, Government of India as specified in Schedule VI vide G.S.R.422 (E), dt.19.05.1993 and its amendments thereof.
8. Separate flow meters with totalisers to necessary pipe-line shall be provided for assessing the quantity of water used for each of the purposes mentioned below.
  - a) Industrial cooling.
  - b) Domestic purpose.

**Air:**

9. The air emissions from the pollution sources shall comply with the following:

Sl. No.	Stack Attached to	Capacity	Stack Height (m)	Proposed Air Pollution Control System
1	Limestone Crusher-I	1000 TPH	30	Bag House
2	Limestone Crusher-II	1000 TPH	30	Bag House
3	Raw Mill-I/Kiln-I	4500 TPH	115	Bag House
4	Raw Mill-II/Kiln-II	4500 TPH	115	Bag House
5	Clinker Cooler- I	4500 TPH	50	ESP
6	Clinker Cooler- II	4500 TPH	50	ESP
7	Coal Mill- I	80 TPH	55	Bag House
8	Coal Mill- II	80 TPH	55	Bag House
9	Cement Mill	250 TPH	55	Bag House
10	Thermal Power Plants 2 Nos.	2 x 100 TPH Boilers	45	ESPs
11	DG set (for standby operations)	1250 KVA X 2 Nos.	7.8 each	Silencers with acoustic enclosures

10. The industry shall comply with the emission standards stipulated by the MoEF & CC, Gol, vide Notification dt. 25.08.2014 and subsequent notifications if any.
11. **The industry shall not store raw materials in open area.**
12. The Bag filters shall be designed such that 25% of additional capacity is available as spare to meet the emergency requirements.
13. 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.
14. The proponent shall provide online stack monitoring facility for all the major stacks and the data generated shall be networked with APPCB and CPCB for web display.

15. 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.
16. A sampling port with removable dummy of not less than 15 cm diameter shall be provided 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.
17. The proponent shall provide interlocking system for air pollution control equipments provided with raw material feeding system so that the feeding of raw material would be stopped in case the air pollution control equipments fails.
18. 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.

**Solid Waste:**

19. The proponent shall comply with the following:

SI.No.	Type of Waste	Quantity	Mode of final disposal
1	Used oil	2500 LPA	Used for lubrications of scrapper chains within the plant /APPCB authorized industries/ co-processing in the cement kiln.
2	ETP / STP sludge	50 kg/day	Used as manure after drying

**Non-Hazardous Solid Waste details :**

SI.No.	Type of Waste	Quantity	Mode of final disposal
1	Solid waste from colony – garbage & organic waste	500 kg/day	To produce vermicompost
2	Fly ash	410 kg/day	Used for Cement manufacturing
3	Dust from bag filters	05 TPD	Reused in the process

20. The following rules and regulations notified by the MoEF&CC, Gol shall be implemented.
  - a) Regulation of Persistent Organic Pollutants Rules, 2018.
  - b) Hazardous waste and other wastes (Management and Transboundary Movement) Rules, 2016.
  - c) Plastic Waste Management Rules, 2016.
  - d) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989
  - e) Fly Ash Notification, 2016.

- f) Batteries (Management & Handling) Rules, 2010.
- g) E-Waste (Management) Rules, 2016.
- h) Construction and Demolition waste Management Rules, 2016.
- i) Solid Waste Management Rules, 2016.

**Other Conditions:**

21. The industry shall comply with the following as stipulated in the EC order dt. 14.01.2019:
  - Plantation shall be developed on either side of the approach road leading to Belum caves from the proposed plant.
  - Overhead conveyor belt across the state highway shall be constructed to transport the material from mine pit head to plant or else an alternate route shall be constructed without disturbing the State Highway in the vicinity of plant due to the traffic load.
22. The proponent shall comply with the following as stipulated in the minutes of EAC:-
  - i) Limestone shall be transported through closed conveyor only.
  - ii) Dual carriage approach road to the plant site shall be constructed.
  - iii) Green barrier with native and broad leaved tree species shall be developed between the plant and proposed colony and along the nallah.
23. The proponent shall obtain necessary amendment for CFE order after obtaining amendment to EC order, w.r.t area of land, sy.nos etc.,
24. 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.
25. 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.
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 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 revoke the order, to review any or all the conditions imposed herein and to make such modifications as deemed fit and stipulate any additional conditions.

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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