



ANDHRA PRADESH POLLUTION CONTROL BOARD
D.No.33-26-14D/2, Near Sunrise Hospital, Pushpa Hotel Centre,
Chalamalavari Street, Kasturibaipet, Vijayawada - 520 010
Phone. No.0866-2463200, Website : <https://pcb.ap.gov.in/>

RED CATEGORY
CONSENT & AUTHORIZATION ORDER

Consent Order No :11022/87/APPCB/KNL/KNL/HO/CFO/2020- 13/11/2020

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 the rules and orders made there under (hereinafter referred to as 'the Acts', 'the Rules') to:

M/s The Ramco Cements Limited,
(491.55 Ha of Chintalayapalle Lime Stone Mine)
Chintalayapalle (V) & Itikyala (V),
Kolimigundla (M), Kurnool District
Email: reddynagaraju@ramcocements.co.in

(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. Out lets for discharge of effluents:

Outlet No.	Outlet Description	Max Daily Discharge	Point of Disposal
1	Domestic	8.0 KLD	Septic tank followed by soak pit.

ii. Emissions from chimneys: Nil

iii. HAZARDOUS WASTE AUTHORISATION (FORM - II) [See Rule 6 (2)]:

M/s The Ramco Cements Limited, (491.55 Ha of Chintalayapalle Lime Stone Mine) Chintalayapalle (V) & Itikyala (V), Kolimigundla (M), Kurnool District, is hereby granted an authorization to operate a facility for collection, reception, storage, treatment, transport and disposal of Hazardous Wastes namely:

HAZARDOUS WASTE WITH RECYCLING OPTION:

Sl. No.	Name of the Hazardous waste	Stream	Qty	Mode of disposal
1.	Used / Spent Oil	5.1 of Schedule-I	3 KL/Annum	Shall be routed through M/s. Andhra Pradesh Environment Corporation (APEMC) so sent to APPCB authorized recyclers / pre-processors duly following the manifest system.
2.	Wastes / Residues containing oil	5.2 of Schedule - I	3 T/Annum	

This consent order is valid for the manufacture of quantities of each product as mentioned below only:

S.No.	Name of the Products and Quantity
1.	Mining of Limestone - 4.0 Million TPA (Run-of-mine) & 5,21,800 m3 of top soil over the life of mine in 491.55 Ha.

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 enclosed to this order.

This combined order of consent & Hazardous Waste Authorization should be valid for a period ending with the **30th day of June, 2025.**

DR. B.MADHUSUDHANA RAO, JCEE(MSRB), O/o JOINT CHIEF ENVIRONMENTAL ENGINEER4-APPCB

To

**M/s The Ramco Cements Limited,
Chintalayapalle (V) & Itikyala (V),
Kolimigundla (M), Kurnool District**

Copy to:

1. The JCEE, Zonal Office, Kurnool for information and necessary action.
2. The Environmental Engineer, Regional Office, Kurnool 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 should 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 mining unit should 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. Notwithstanding 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 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.
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 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. 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 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.

- 10.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.

SCHEDULE - B

1. The industry shall handover the original Consent order No. 11022/87/APPCB/KNL/KNL/HO/CFO/2020, dated 12.10.2020, having validity upto 31.07.2025 to the RO, Kurnool after receipt of this order and the same stands cancelled from the date of receipt of this order.
2. The mining unit shall comply with the following conditions within stipulated time, failing which the bank guarantee of Rs. 2 lakhs submitted by the mining unit will be forfeited without any notice:
 - a. The mining unit shall install conveyor belt from mines to cement plant and transportation is only through conveyor belt except in the case of maintenance & breakdown of conveyor belt, road transportation shall be carried out. Mining unit shall keep the record of road transportation.
 - b. The mining unit shall construct the septic tank followed by soak pit within 2 months, i.e., by 08.12.2020.
 - c. The mining unit shall install 4 no. of ambient air quality monitoring stations within 2 months, i.e., by 08.12.2020.
 - d. The mining unit shall construct the garland drains & siltation pond for the working pit, while undertaking the mining operations.
3. The mining unit shall carryout mining activity in the respective boundaries only mentioned in EC Order dated 23.03.2020 and in CFE order dated 17.06.2020.
4. The mining unit shall be carried out mining activity as per approved Mining plan.

Water Pollution:

5. The source of water is *Owk reservoir water. The mining unit shall take steps to reduce water consumption to the extent possible and consumption should NOT exceed the quantities mentioned below:

S.No	Purpose	Quantity in KLD
1	Dust suppression	100
2	Development of green belt	15
3	Domestic	10
	Total*(fresh + recycled)	125 KLD

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

6. The mining unit shall ensure that no natural water course shall be obstructed due to any mining operations
7. The mining unit shall construct catch drains and siltation ponds of appropriate size 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.

8. The mining unit shall construct Garland drain of appropriate size, gradient and length 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 maintained at the corners of the garland drains and desilted at regular intervals.
9. The mining unit shall provide 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.
10. The mining unit shall take appropriate measures to prevent pollution of nearby river and other surface water body.

Air Pollution:

11. The mining unit shall provide and operate the following measures for controlling fugitive emissions.
 - a. Atomized water spray arrangement for the main haul roads leading to the mines.
 - b. Dust Bloc shall be used for dust suppression on haulage roads of mines.
 - c. The mine unit shall install and operate the air pollution control equipment like bag filters, vacuum suction hoods, dry fogging system etc. 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.
 - d. 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.
 - e. 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.
 - f. Water spraying shall be carried out on the blasted muck pile before loading by excavator to suppress the dust.
 - g. Regular Water spraying shall be done on haul roads and during unloading at crusher hopper to suppress the dust effectively.
12. The mining unit shall comply with the following for controlling noise emissions:
 - a. Machineries shall be properly maintained to prevent undesirable noise. Attention shall be paid towards rigorous maintenance of the silencers of diesel engines.
 - b. Surface drilling and blasting operations shall not be carried out at night.
 - c. The drilling shall be done with sharp drill bits to reduce generation of noise during drilling.
 - d. Controlled blasting with optimum charge per hole shall be practiced to reduce generation of noise.
 - e. Hydraulic rock breaker shall be used in lieu of secondary blasting.
 - f. 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.
 - g. 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.

- 13.The mining unit shall provide 4 no. of ambient air quality monitoring stations in core and buffer zone in down windward direction in consultation with concerned Regional Officer of APPCB for monitoring of PM2.5, PM10, SO2, NOx. The consolidated report of the same shall be submitted.
- 14.Sequential blasting and use of non-electric delay detonators shall be adopted to reduce ground vibrations
- 15.The mining unit should comply with the National ambient air quality standards as per MoEF, GOI notification dated. 18.11.2009 outside the mine lease area at the boundary of the mine, as prescribed below.

S.No.	Parameter	Emission Standards
1.	Particulate Matter (PM10)	100
2.	Particulate Matter (PM2.5)	60
3.	SO2	80
4.	NOx	80

Noise Levels: Day time (6 AM to 10 PM) - 75 dB (A)

Night time (10 PM to 6 AM) - 70 dB (A).

- 16.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:

17.The mining unit shall dispose solid waste (Non Hazardous) as follows:

S. No.	Name of the waste	Quantity	Disposal Option
1.	Top soil	5,21,800m ³ during the life of the mine	Shall be utilize the soil completely for spreading the barrier zone for plantation

General:

- 18.The Mining unit shall not increase the capacity beyond the permitted capacity mentioned in this order, without obtaining CFE/CFO of the Board.
- 19.The mining unit shall not dump the overburden, top soil etc., generated during the mining operations outside the mine lease area under any circumstances
- 20.Top soil exists during mining operation shall be removed and stacked separately so as to utilize for restoration or rehabilitation of the land.
- 21.The mining unit 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.
- 22.Drip irrigation shall be practiced for development of greenbelt as stipulated in the Specific condition No.3 of EC order dt. 23.03.2020.
- 23.The mining unit shall explore the possibility to convert mined area into a reservoir by plugging the leakages.
- 24.The mining unit 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.The mining unit shall submit Water Quality, AAQ, Soil quality monitoring through

third party approved by MoEF&CC on monthly basis.

- 26.The mining unit shall comply with all the directions issued by the Board from time to time.
- 27.The mining unit shall comply with the conditions stipulated in the EC order dated 23.03.2020 and CFE order dated 17.06.2020.
- 28.The industry shall comply with standards and directions issued by CPCB / MoEF&CC as and when notifications are issued.

SCHEDULE - C

[See rule 6(2)]

[CONDITIONS OF AUTHORISATION FOR OCCUPIER OR OPERATOR HANDLING HAZARDOUS WASTES]

1. All the rules and regulations notified by Ministry of Environment and Forests, Government of India under the E(P) Act, 1986 in respect of management, handling, transportation and storage of the Hazardous wastes should be followed.
2. The industry shall not store hazardous waste for more than 90 days as per the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2016.
3. The industry 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.
4. The industry 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.
5. The industry shall maintain proper records for Hazardous Wastes stated in Authorisation 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), 13 (8), 16(6) and 20(2) of the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2016.

The industry 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 industry 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.

DR. B.MADHUSUDHANA RAO,
JCEE(MSRB), O/o JOINT
CHIEF ENVIRONMENTAL
ENGINEER4-APPCB

To
M/s. The Ramco Cements Limited,
Chintalayapalle (V) & Itikyala (V),
Kolimigundla (M), Kurnool District.