



**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: APPCB/VJA/VJA/488/HO/CFO/2021**      **27/07/2022**

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.The Ramco Cements Limited,  
Ravirala Limestone Mine(RF) (60.72 Ha.) (Expansion),  
Sy.No. 124(P), Compartment No.387,  
Ravirala (V), Jaggayyapet (M),  
NTR District (Old Krishna District).  
Email: [mcljpm@ramcocements.co.in](mailto:mcljpm@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) Outlets for discharge of effluents:**

Outlet No.	Outlet Description	Max Daily Discharge	Point of Disposal
1.	Domestic	6.4 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, Ravirala Limestone Mine(RF) (60.72 Ha.), Sy.No. 124(P), Compartment No.387, Ravirala (V), Jaggayyapet (M), NTR District (Old Krishna 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	2000 LPA	To authorized Recyclers/ Re-processors through M/s.APEMC/ for kiln firing in cement plant.

**This consent order is valid for the following products along with quantities indicated only:**

Sl. No.	Products/Line of activity	Total Quantity after expansion
1.	Ravirala Limestone Mine (RF)	1.55 Million TPA

		(Expansion capacity)
	<b>Total :</b>	<b>1.55 Million TPA</b>

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 & 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> January, 2024.**

**VIJAY KUMAR GSRKR IAS, MEMBER SECY(GSRKRVK), O/o MEMBER  
SECRETARY-APPCB**

**To**

**M/s.The Ramco Cements Limited,  
Ravirala Limestone Mine(RF) (60.72 Ha.) (Expansion),  
Sy.No. 124(P), Compartment No.387,  
Ravirala (V), Jaggayyapet (M),  
NTR District (Old Krishna District).  
Email: [mcljpm@ramcocements.co.in](mailto:mcljpm@ramcocements.co.in)**

**Copy to:**

1. The JCEE, **ZO: Vijayawada** for information.
2. The EE, **RO: Vijayawada** 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 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 industry shall install digital display boards at publicly visible places at the main gate indicating the products manufactured Vs permitted quantities, Treated effluent concentrations Vs discharge standards, Stack emission & AAQ concentrations Vs standards, hazardous waste generation, disposed, stock Vs permitted quantities and validity of CFO; and exhibit the CFO order at a prominent place in the factory premises, as per Hon'ble Supreme Court order.
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 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.
7. The applicant should make applications through Online for renewal of Consent (under Water and Air Acts) 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 of the Board.
8. The industry 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.

### SCHEDULE-B

#### **Water:**

1. The source of water is mine seepage water and the permitted water consumption is as follows:

S. No.	Purpose	Quantity (KLD)
1.	Water sprinkling on haul roads / dust suppression	80.0
2.	Development of green belt	2.0
3.	Domestic	8.0
<b>Total</b>		<b>90.0</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 obtain EC Amendment Order dt.05.03.2022 for mine seepage water in place of Borewell water

#### **Air:**

3. The industry shall ensure compliance with ambient air quality standards of PM<sub>10</sub> – 100 micro grams / m<sup>3</sup>; PM 2.5 to 60 micro grams/ m<sup>3</sup>; SO<sub>2</sub> – 80 micro grams/ m<sup>3</sup>; NO<sub>x</sub> – 80 micro grams/ m<sup>3</sup>; (day average standards).

The industry shall comply with National Ambient Air Quality standards stipulated in CPCB Notifications No.B-29016/20/90/PCI-I, dated 18.11.2009 and also the

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

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

4. The industry shall comply with emission limits for DG sets of capacity upto 800 KW as per the Notification G.S.R.520 (E), dated 01.07.2003 under the Environment (Protection) Amendment Rules, 2003 and G.S.R.448(E), dated 12.07.2004 under the Environment (Protection) Second Amendment Rules, 2004. In case of DG sets of capacity more than 800 KW shall comply with emission limits as per the Notification G.S.R.489 (E), dated 09.07.2002 at serial no.96, under the Environment (Protection) Act, 1986.
5. Ambient air quality monitoring stations shall be provided and maintained 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 to RO, Vijayawada.
6. The proponent shall comply with the following for controlling fugitive 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. Blasting operations shall not be carried out at night.
  - c. The drilling shall be done with sharp drilling bits to reduce the generation of noise during drilling
  - d. Controlled blasting with optimum charge per hole shall be practiced to reduce generation of noise
  - e. Hydraulic rock beaker 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.

**General:**

7. The industry should not increase the capacity beyond the permitted capacity mentioned in this order, without obtaining CFE & CFO of the board.
8. All waste material should be accommodated within the Mining Lease area.
9. All mining products and rejects, irrespective of size and quality, should be hauled away from the mine.
10. The natural drainage of water should be maintained. Dump sites should not cross any streams, water flow from the Mining Lease area, even during the monsoon, should be free of suspended matter and conform to prescribed water quality standards.
11. Dumping of overburden, if done, should use the retreating pyramid bench formation with concurrent, physical and biological reclamation. Dumps should be contoured and provided with relief control and stabilized. Dump tops should be compacted, leveled and be properly drained.
12. The industry shall dispose solid waste (NON HAZARDOUS ) as follows:

S. No	Name of the Solid Waste	Quantity	Disposal
1.	Over burden	0.249 MTPA	Shall be used for reclamation and dumping.

13. Soil binding and nitrogen fixing plants should be planted in the Mining Lease area. Biological reclamation should be done in two phases, the first phase should be plant appropriate quick growing grass and shrubs and the second phase should grow slower growing native shrubs and trees.
14. Check dams and filter beds should be constructed to protect from stream runoffs.
15. Ground water table levels should be monitored every season. Any lowering of the ground water table in comparison to the previous season should be reported to the Board immediately. Discarded pits should be allowed to fill with water.
16. Greenbelt shall be developed and maintained all along the periphery of the mine lease area. At least 5 rows of suitable tree species should be planted on either side of the haul roads.
17. The haul roads shall be wetted periodically to control fugitive emissions due to vehicle movements.
18. The industry shall maintain detector to measure PM10 parameter in CAAQM station located at Mines office area.
19. Vehicles should be well maintained and engine idling should be minimized. Vehicle cabs should be made dust proof and air conditioned.
20. Drills should be water jacketed. Local exhaust ventilation systems should be installed at dust generation points and the dust is led to a dust collection system.
21. Blasting should be sequential in such a manner as to achieve minimum vibration.
22. An environmental policy statement which spells out the overall environmental management philosophy and the thrust programs for the next two years should be prepared and submitted to the Board and circulated to the people in habitats in a 10 km radius around the plant and mines.
23. The applicant should submit Environment Statement in Form V before 30th September every year as per Rule No.14 of E (P) Rules, 1986 & amendments.
24. 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 regular operational phase of the mining activity.
25. The industry shall comply with standards and directions issued by APPCB/CPCB / MoEF&CC as and when notifications are issued.
26. The industry shall submit compliance report on the conditions mentioned in the consent order every six months i.e., on 1st of January and July of every year to the Regional Office/ Zonal Office.
27. 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 1<sup>st</sup> January and 1<sup>st</sup> 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 NABL accredited third party.

**Special Conditions:**

28. The industry shall prepare a safety report and carry out an independent safety audit report of the respective industrial activities including chemical storages / isolated storages by an expert not associated with such industrial activity as required under Rule 10 of MSIHC Rules, 1989 and get it approved by the Factories Dept., and submit the compliance along with copy of the safety report, safety audit report and safety certificate at concerned Regional Office, APPCB.
29. The industry shall extend training to the working personnel for the prevention of accidents and necessary antidotes to ensure safety, as per the MSIHC Rules, 1989.
30. The industry shall carryout calibration of safety equipment and leak detection systems at regular intervals and shall certify the same with the Factories Department. That certified copy shall be submitted to the APPCB, Regional Office.
31. The industry shall install fluorescent Wind Vane at the highest point in the industry premises.
32. The industry shall submit Risk analysis and risk assessment covering worst scenario clearly describing impact within the industry premises and outside the industry premises and emergency response system.
33. The industry shall submit the copy of the safety audit report and On-Site / Off Site Emergency Plans as applicable after being certified by the Factories Department to the APPCB, Regional Office from time to time, if the storage quantity of hazardous chemicals is equal to or, in excess of the threshold quantities specified in schedule 2 & 3 of MSIHC Rules, 1989.

**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 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. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
9. An application for the renewal of an authorisation shall be made as laid down under these Rules.
10. 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.
11. Annual return shall be filed by June 30<sup>th</sup> for the period ensuring 31<sup>st</sup> March of the year.
12. The industry shall not store hazardous waste for more than 90 days as per the Hazardous and

Other Wastes (Management & Transboundary Movement) Rules, 2016.

13. 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.
14. 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.
15. The industry shall maintain proper records for Hazardous and Other 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 20 (2) of the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.

**VIJAY KUMAR GSRKR IAS, MEMBER SECY(GSRKRVK), O/o MEMBER SECRETARY-  
APPCB**

**To**

**M/s.The Ramco Cements Limited,  
Ravirala Limestone Mine(RF) (60.72 Ha.) (Expansion),  
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