



ANDHRA PRADESH POLLUTION CONTROL BOARD
 D. No. 33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre,
 Chalamalavari Street, Kasturibaipet, Vijayawada - 520010
 Website: <https://pcb.ap.gov.in>

RED CATEGORY

CONSENT & AUTHORISATION ORDER

Consent Order No: APPCB/VJA/GTR/16829/HO/CFO/2020- Date:07/12/2020

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 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. Andhra Cements Limited
(Mines Division - 170.22 Ha.),
Gamalapadu (V), Dachepalli (M),
Guntur District.
e-mail: dcw.environment@jalindia.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 (KLD)	Point of Disposal
1.	Domestic effluents	4.0 KLD	Septic tank followed by soak pit.

ii) Emissions from chimneys:

Chimney No.	Description of Chimney	Quantity of Emissions at peak flow
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iii) Hazardous Waste Authorisation (FORM - II) [See Rule 6 (2)]:

M/s. Andhra Cements Limited (Mines Division - 170.22 Ha.), Guntur 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 Recycling Option:**

Name of the Hazardous waste	Stream	Quantity	Disposal Option
* Waste oil from machinery used in mine is reported in CFO of cement plant.			

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

S. No	Name of the Activity	Quantity
1.	Mining of Lime Stone	3.0 Million TPA in an area of 170.22 Ha.

This order is subject to the provisions of 'the Acts' and the Rules' and orders made thereunder 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 30.06.2021.

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

To
M/s. Andhra Cements Limited
(Mines Division - 170.22 Ha.),
Gamalapadu (V), Dachepalli (M),
Guntur District.
e-mail: dcw.environment@jalindia.co.in

Copy to:

1. The JCEE, Zonal Office, Vijayawada for information and necessary action.
2. The EE, Regional Office, Guntur for information and necessary action.

SCHEDULE - A

1. 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 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.
2. The industry 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.
3. 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 the same to the Board.

4. 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.
5. The industry shall be liable to pay Environmental Compensation, 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.
6. 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.
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. 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.
9. 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.

SCHEDULE-B

1. The industry shall comply with the following conditions within stipulated time, failing which the bank guarantee of Rs. 11.7 lakhs submitted by the industry will be forfeited without any notice:
 - i. The total mine lease area is 170.22 Ha., out of which, 120 Ha. is suitable for mining remaining 50.22 Ha. un-mined area. As per EC, 46.72 Ha. (27.5 %) of greenbelt has to be developed with a density of 2000 plants/Hectare, out of which, only 34.85 Ha. (20.5%) is developed in the mine area. The industry shall develop the balance green belt of 11.87 Ha., within 6 months i.e., by 07.05.2021.
 - ii. While issuing CFO on 23.01.2014, a condition was stipulated to develop additional greenbelt of 117 acres to meet the norms, to ensure the same, a Bank Guarantee of Rs.11.7 Lakhs was taken from the industry for a period of 3 years with a condition to submit action plan with time frames for development of greenbelt of 117 acres, if the industry has not complied the condition, the BG has to be forfeited. The industry has to furnish the status of development of additional greenbelt of 117 Acres within 1 month i.e., by 07.01.2021.
 - iii. The industry has not furnished the status on maintaining funds of Rs.35 Lakhs and Rs. 23.2 Lakhs in separate account, towards the capital cost

and recurring cost / annum respectively for environment pollution control measures for the mine. The industry shall maintain the funds of Rs.35 Lakhs and Rs. 23.2 Lakhs in separate account, towards the capital cost and recurring cost / annum respectively for environment pollution control measures for mine within 3 months i.e., by 07.02.2021.

WATER POLLUTION:

1. The source of water being ground water. The following is the permitted water consumption:

S. No	Purpose	Quantity
1.	Process & Washings (Sprinkling in Mining)	50.0 KLD
2.	Domestic	10.0 KLD
	Total	60.0 KLD

2. Separate meters with necessary pipe-line shall be maintained for assessing the quantity of water used for each of the purposes mentioned below:
 - a. Spraying in mine pits and
 - b. Domestic purposes
3. The industry shall comply the following general standards for discharge of environmental pollutants as per MoEF&CC Notification of G.S.R. 422 (E), Dt.19.05.1993:

Outlet No	Parameter	Limiting Standards
1	pH	5.5 - 9.0 mg/l.
	TSS	200.0 mg/l.
	TDS	2100.0 mg/l
	BOD ₃ at 27 ⁰ C	100.0 mg/l.
	Oil & Grease	10.0 mg/l.

4. The industry shall ensure that no natural water course shall be obstructed due to mining operations and shall provide garland drain all around the mine area to prevent the mineral transport by rain water to the surrounding areas and shall not cause ground water pollution in and around the mining unit premises. Check dams and filter beds shall be constructed to protect from stream runoffs.
5. Catch drains and siltation ponds of appropriate size shall be constructed for the working pit, inner burden and mineral dumps to arrest flow of silt and sediment. The water so collected should be utilized for watering the mine area, roads, green belt development, etc. The drains shall be regularly desilted, particularly after monsoon and maintained properly.

AIR POLLUTION:

6. The mining unit shall carry out the air pollution monitoring in strategic locations and furnish the data to RO, Guntur time to time.
7. The proponent shall comply with the following for controlling fugitive 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 drilling bits to reduce the generation of noise during drilling
- Controlled blasting with optimum charge per hole shall be practiced to reduce generation of noise
- 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

8. 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.

9. The industry shall comply with ambient air quality standards of PM₁₀ (Particulate Matter size less than 10mm) - 100 µg/ m³; PM_{2.5} (Particulate Matter size less than 2.5 mm) - 60 µg/ m³; SO₂ - 80 µg/ m³; NO_x- 80 µg/ m³, outside the factory premises at the periphery of the facility.

Standards for other parameters as mentioned in the National Ambient Air Quality Standards MoEF&CC Notification G.S.R(E), Dt.16.11.2009 & CPCB Notification No.B-29016/20/90/PCI-I, Dt.18.11.2009 and their Amendments thereof.

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

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

GENERAL:

10. The industry shall not withdraw the Bank Guarantee of Rs.11.7 Lakhs, bearing No. 790GPGE203265002, Dt.21.11.2020 valid up to 30.06.2027 without prior approval of the Board Office, which is submitted towards ensuring the compliance of CFO conditions. It shall be noted that the Bank Guarantee will be forfeited if any non compliance observed in deviation of time lines, as committed in the industry's Lr.Dt.18.08.2020 and in CFO Committee meeting held on 19.08.2020 for development of additional green belt with a density of 2000 plants per Hectare.

11. The industry shall maintain funds of Rs.35 Lakhs and Rs.23.2 Lakhs towards the capital cost and recurring cost/ annum respectively, as per EC in a separate account for implementing environment pollution control measures in the mine area by MoEF / State Government and such funds shall not be diverted for any other purposes.

12. The industry shall earmark an amount of Rs.3.0 Lakhs per annum for 10 years towards the Enterprise Social Responsibility (ESR) activities. The industry shall earmark this amount towards the Enterprise Social Responsibility (ESR) activities and spend the amount under ESR activities through ESR / CSR cell in the office of the District Collector.

13. The mining unit shall maintain the escrow account to keep the funds for

- implementing the mine closure plan in line with approved mine plan.
14. The mining unit shall be leveled and graded existing road to reduce dust emissions and fixed water sprinklers shall be provided along the mine approach road.
 15. The industry shall maintain the records related to quantity of over burden excavated, lime stone mined out, extent of greenbelt developed.
 16. The industry shall develop Green belt and maintain it on the over burden dumps, haul roads and also along the boundary of the mining area to control air pollution in the surrounding area.
 17. The industry shall maintain CAAQM stations provided on the upwind side of the village and shall be calibrated at regular intervals and the data shall be uploaded in APPCB / CPCB websites regularly.
 18. All waste materials of top soil, mine rejects and over burden shall be disposed properly within the earmarked Mining Lease Area.
 19. The mining unit shall raise plantation with native species along the mine approach roads, overburden dump sites and all around the ML area in consultation with local DFO / Agriculture department.
 20. The mining unit shall plant soil binding and nitrogen fixing plants in the Mining Lease Area and biological reclamation shall be done in two phases, the first phase shall be with appropriate quick growing grass and shrubs and in the second phase slower growing native shrubs and trees shall be grown
 21. Dumping of overburden shall be like a retreating pyramid bench formation and shall carry physical and biological reclamation. Dumps shall be contoured and provided with relief control and stabilized. Dump tops shall be compacted, leveled and provided with proper drainage.
 22. The mining unit shall provide retention wall, garland drain all around the overburden stocking area and shall develop greenbelt on the slopes of overburden stocking area.
 23. Soil binding and nitrogen fixing plants shall be planted in the Mining Lease Area. Biological reclamation shall be done in two phases, the first phase shall be with appropriate quick growing grass and shrubs and in the second phase slower growing native shrubs and trees shall be grown.
 24. Drills should be water-jacketed. Local exhaust ventilation systems shall be installed at dust generation points and the dust shall be fed to a dust collection system. The industry shall adopt sequential blasting technique for excavation of limestone to achieve minimum vibration.
 25. A separate environmental management cell with suitable qualified personnel shall be set up under the control of senior executive who will report directly to the head of the organization.
 26. The industry shall maintain the following records and the same shall be made available to the inspecting officers of the Board:
 - a. Daily production details (ER-1 Central Excise Returns).
 - b. Quantity of Effluents generated, treated, and disposed.
 - c. Log Books for pollution control systems.
 - d. Characteristics of ambient air, effluents and emissions.
 - e. Hazardous/non hazardous solid waste generated and disposed.
 - f. Inspection book.
 - g. Manifest copies of hazardous waste.

- 27.The industry shall not increase the capacity beyond the permitted capacity mentioned in this order, without obtaining CFE/CFO of the Board.
- 28.The industry shall comply with all other conditions stipulated in the CFE order dated 27.06.2008 including conditions No.4 and 5 of schedule B pertaining to air and noise pollution control in mine areas.
- 29.These conditions are without prejudice to the rights and contentions of this Board in any Hon'ble Court of law.
- 30.The industry shall comply with all the Board directions issued from time to time and shall comply with standards and directions issued by CPCB/MoEF&CC as and when notifications are issued.
- 31.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.

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

To

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