



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

RED CATEGORY

CONSENT & AUTHORIZATION ORDER

Consent Order No: APPCB/VJA/VJA/37/CFO/HO/2020-

Date:24/02/2020

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. Hemadri Cements Ltd., (Cement plant) (Expansion),
 Sy.No.75/5, 195-207, 244, 245,
 Vedadri (V), Jaggaiahpet (M),
 Krishna District
 E-mail: hemadricements.limited@gmail.com**

(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 (Expansion):

Outlet No.	Outlet Description	Max Daily Discharge (Expansion)	Point of Disposal
1	Domestic	86.4 KLD	After treatment in STP, the treated sewage to the Board's standards shall be utilized for onland irrigation and for green belt development within the premises.

ii) Emissions from chimneys (Expansion):

Chimney No.	Description of Chimney	Air Pollution Control Equipment provided
1.	Stack attached to Lime Stone Crusher	Pulse jet type bag filter
2.	Stack attached to Coal mill	Bag filter
3.	Stack attached to Raw mill / Kiln	Bag filter
4.	Stack attached to Cooler	ESP
5.	Stack attached to Cement mill - I	Pulse jet type bag filter

6.	Stack attached to Cement mill – II	Pulse jet type bag filter
7.	Stack attached to Packer House-I	Pulse jet type bag filter
8.	Stack attached to Packer House-II	Pulse jet type bag filter
9.	Stack attached to Cement Silo-1	Pulse jet type bag filter
10.	Stack attached to Cement Silo-2	Pulse jet type bag filter
11.	Stack attached to Cement Mill 1 O-Sepa	Pulse jet type bag filter
12.	Stack attached to Fly Ash Hopper	Pulse jet type bag filter
13.	Stack attached to Clinker Yard	Pulse jet type bag filter
14.	Stack attached to Kiln Feed	Pulse jet type bag filter
15.	Stack attached to Raw Mill blending Silo Top	Pulse jet type bag filter

iii) Hazardous Waste Authorisation (Form – II) [See Rule 6 (2)] (Expansion):

M/s. Hemadri Cements Ltd., (Cement plant), 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 Disposed for Recycling (Expansion):**

S. N	Name of Hazardous Waste	Stream	Quantity (Expansion)	Mode of Disposal
1	Used Oil	5.2 of Schedule - I	2000 LPA	Shall be routed through M/s. Andhra Pradesh Environment Corporation Limited (APEMCL), so as to disposed to Authorized agencies / reprocessors / recyclers.
2	Used Lead acid batteries	17 of Schedule - IV	75 Nos/Month	

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

S. No.	Name of the Products	Quantity as per CFE Expansion Order Dt.28.07.2019 (330 working days)	Quantity (Expansion)
1	Clinker	6,60,000 TPA (or) 2000 TPD	3,96,000 TPA (or) 1200 TPD
		(or)	
2	Ordinary Portland Cement (OPC)	5,21,050 TPA (or) 1578.93 TPD	4,16,850 TPA (or) 1264 TPD
		(or)	
3	Portland Pozzolana Cement (PPC)	6,60,000 TPA (or) 2000 TPD	4,95,000 TPA (or) 1500 TPD

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 31.12.2021.

BANDLA SIVA SANKARA PRASAD, CHAIRMAN, O/o CHAIRMAN-APPCB

To
M/s. Hemadri Cements Ltd., (Cement plant), (Expansion),
Sy.No.75/5, 195-207, 244, 245,
Vedadri (V), Jaggaiahpet (M),
Krishna District
E-mail: hemadricements.limited@gmail.com

Copy to:

1. The JCEE, Zonal Office, **Vijayawada** for information and necessary action.
2. The EE, Regional Office, **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 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. Not withstanding 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 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.

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 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 Pollution:

1. The industry shall comply the following effluent standards based on the disposal points permitted:

Outlet No	Parameter	Concentration
1	pH	6.5 – 8.5
	Total Suspended Solids (TSS)	200 mg/l
	Oil & Grease	10 mg/l
	BOD	100 mg/l

2. The source of water being bore well. The following is the permitted water consumption for Expansion :

S. No	Purpose	Quantity (Expansion) (KLD)
1	Cooling (GTC & ESP)	175.0
2	Plant Domestic water	9.0
3	Dust suppression	16.0
4.	Plant domestic water – 7 KLD, Dust suppression – 10 KLD, Colony domestic use and green belt development – 83 KLD	100.0
	Total	300.0

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

3. **The industry shall provide closed silo for storage of clinker within 1 month i.e., by 24.03.2020 and shall not store the clinker openly within the premises.**

Air Pollution:

4. The emissions shall not contain constituents in excess of the prescribed limits mentioned below, as per notifications of MoEF&CC, GoI issued vide G.S.R.612 (E), Dt.25.08.2014 and G.S.R. 496 (E), Dt.09.05.2016 :

Chimney No.	Parameter	Emission Standards
1 to 15	Particulate Matter	30.mg/Nm ³
	SO ₂ **	100 mg/Nm ³
	NOx	800 mg/Nm ³
* The norms of SO ₂ & NOx shall be applicable to kiln only		
** Assuming pyritic sulphur to the limestone is less than 0.25 %		

5. 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. The compliance shall be followed with respect to production capacity of the plant and to submit timely report to the Regional Office, Vijayawada.
6. The industry 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.
7. The industry shall maintain adequate dust collection and extraction system to control fugitive emissions at various material transfer points & the dust collected from pollution control equipments shall be recycled back into the process. The compliance status shall be reported to RO, Vijayawada.
8. The industry shall ensure implementation of requisite measures to prevent air pollution in the surrounding area and shall develop avenue plantations along the roads and available vacant spaces in coordination with local panchayats.
9. The industry shall comply with ambient air quality standards of PM₁₀ (Particulate Matter size less than 10mm) - 100 mg/ m³; PM_{2.5} (Particulate Matter size less than 2.5 mm) - 60 mg/ m³; SO₂ - 80 mg/ m³; NOx - 80 mg/m³, outside the factory premises at the periphery of the industry.

Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009.

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

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

10. 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.
11. **The industry shall connect online continuous stack monitoring equipments provided for raw mill, kiln, coal mill, cooler discharge, cement mill – I & II to the CPCB / APPCB servers for transferring of stack monitoring data continuously,**

within 1 month i.e., by 24.03.2020.

General:

12. Proper handling, storage, utilization and disposal of all the solid waste should be ensured and shall monitor the Toxic metal contents in the waste material and its composition, and the details of disposal of solid/ hazardous waste shall be regularly submitted to the RO.
13. The industry shall maintain flow meters preferably Electro Magnetic flow meters with totalisers for water and effluent quantity measurements for different streams of effluents and different categories of water usage stipulated in this order.
14. The industry shall comply the CPCB directions dated 05.02.2014 & 02.03.2015 regarding installation of online continuous effluent monitoring systems. The online monitoring system shall be calibrated periodically as per equipment suppliers manual / CPCB guidelines.
15. 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, recycled/reused and used for Green Belt development.
 - 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 effluents / hazardous waste.
16. The industry shall dispose solid waste (NON HAZARDOUS) as follows :

S. No	Name of the Solid Waste	Quantity (Expansion)	Disposal
1	Waste bags & damaged bags	50 TPA	Shall be disposed to manufacturers.
2	General scrap (Rubber, Metal and Electrical)	30 TPA	Shall be disposed to recyclers.

17. **The industry is introducing the plastic into the market along with their products which attracts Plastic Waste Management Rules, 2016 & its amendments thereof.**
18. **The industry shall dispose the plastic waste generated from the damaged and waste sacks of cement packaging unit as per Plastic Waste Management Rules, 2016 & its amendments thereof.**
19. 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., for noise generating sources.
20. The industry shall develop green belt in all the vacant places. In future, excess green belt over and above 33 % of total area can be utilized for industrial activity as per requirement of industry.
21. The industry shall comply with the conditions issued in earlier CFE / CFO Orders, which are not covered in this Order.
22. The industry shall comply with standards and directions issued by CPCB /

MoEF&CC as and when notifications are issued.

- 23.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 RO / ZO.

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 or its renewal 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. An application for the renewal of an authorisation shall be made as laid down under these Rules.
9. 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.
10. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
11. The authorised person shall not store hazardous waste for more than 90 days as per the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016.
12. The authorised person 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.
13. The authorised person 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.
14. The authorised person shall maintain proper records for Hazardous & other wastes stated in Authorization 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) of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016

and amendments thereof by June 30th for the period ensuring 31st March of the year.
15.The authorised person shall submit the condition wise compliance report of the conditions stipulated in Schedule A, B & C of this Order on half yearly basis to Board Office and concerned Regional Office.

BANDLA SIVA SANKARA PRASAD, CHAIRMAN, O/o CHAIRMAN-APPCB

To
M/s. Hemadri Cements Ltd., (Cement plant) (Expansion),
Sy.No.75/5, 195-207, 244, 245,
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