



ANDHRA PRADESH POLLUTION CONTROL BOARD

D. No. 33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre,
Chalamalavari Street, Kasturibaipet, Vijayawada - 520 010
Website: www.appcb.ap.nic.in

CONSENT ORDER FOR ESTABLISHMENT

Order No. 37/APPCB/CFE/RO- VJA/HO/2015

28/07/2019

Sub:APPCB – CFE - **M/s. Hemadri Cements Ltd., (Cement plant), Sy.No.75/5, 195-207, 244, 245, Vedadri (V), Jaggaiahpet (M), Krishna District - Consent for Establishment (CFE) for expansion** 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. CFO Order dt. 23.07.2015
 2. EC Order dt. 03.05.2019 for expansion issued by SEIAA, AP.
 3. Industry's CFE application received through APOCMMS on 28.06.2019.
 4. R.O's inspection report dt. 15.07.2019
 5. CFE Committee meeting held on 18.07.2019.
 6. Industry's Ir.dt.17.07.2019.

1. In the reference 3rd cited, an application was submitted to the Board seeking Consent for Establishment (CFE) for **expansion** with an additional investment of Rs.95 crores.

Sl. No.	Name of the Products	Consented as per CFO order dt. 23.07.2015	After modernization as per EC order dt. 03.05.2019	Proposed capacity after expansion
1	Clinker	--	6,60,000 TPA	6,60,000 TPA (Operating days of the plant 330 days 2000TPD)
			(or)	(or)
2	Ordinary Portland Cement(OPC)	600TPD	5,21,050 TPA	5,21,050 TPA (Operating days of the plant 330 days: 1578.93TPD)
			(or)	(or)
3	Portland Pozzolana Cement (PPC)	--	6,60,000 TPA	6,60,000 TPA (Operating days of the plant 330 days 2000TPD)

2. As per the application, the above activity is to be located within existing premises at Sy.No.75/5, 195-207, 244, 245, Vedadri (V), Jaggaiahpet (M), Krishna District.

3. The above site was inspected by the EE(FAC) & Analyst Gr-I, Regional Office, Vijayawada, A.P Pollution Control Board on 02.07.2019 and found that the site is surrounded by the following:

North : Town ship road and hill
South : Industry Lime stone Mines.
East : Industry Town ship and Hill
West : Veadri – Bandipalem Road

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 FOR EXPANSION** 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.

**VIVEK YADAV IAS, MS(VY), O/o MEMBER SECRETARY-APPCB
MEMBER SECRETARY**

To

**M/s. Hemadri Cements Ltd.,
(Cement plant), Sy.No.75/5, 195-207, 244,
Veadri (V), Jaggayyapeta (M),
Krishna District.
hemadricements.limited@gmail.com**

Copy to: 1. The JCEE, Z.O: Vijayawada for information and necessary action.
2. The E.E., R.O: Vijayawada 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 proponent shall ensure that separate energy meters are connected to 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. The source of water is Krishna River. The maximum permitted water consumption is as following:

Sl. No.	Purpose	As per CFO order dt. 23.07.2015	As per EC order dt. 03.05.2019	Proposed quantity after expansion
1	Cooling (GTC & ESP)	175 KLD	175.0 KLD	175.0 KLD
2	Plant Domestic water		9.0 KLD	9.0 KLD
3	Dust suppression	--	16.0 KLD	16.0 KLD
4	Plant domestic water – 7 KLD, Dust suppression – 10 KLD, Colony domestic use and green belt development – 83 KLD	100 KLD (including township)	100 KLD	100 KLD
	Total	275 KLD	300.0 KLD	300.0 KLD

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

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

Purpose	As per CFO order dt. 23.07.2015	As per EC order dt. 03.05.2019	Proposed quantity after expansion
Domestic effluents	90.0 KLD	86.4 KLD	86.4 KLD

Treatment & Disposal:

Source of effluent	Capacity of Treatment units	Mode of final disposal
Domestic effluents	STP of capacity 90 KLD consists of Collection tank, common septic tank, primary trickling filter, collection tank, secondary trickling filter, stand by trickling filter and treated water collection tank.	Treated effluents shall be used for on land plantation / gardening.

6. Under no circumstances the waste water shall be discharged outside the factory premises.

Air:

7. The Air pollution Control equipment shall be operated and maintained properly for controlling air pollution after expansion:

S. No.	Source of Pollution	Control equipment	Stack height in Mts - above GL
1	Lime Stone Crusher	Pulse jet type bag filter	5
2	Coal mill	Bag filter	24
3	Raw mill / Kiln	Bag filter	60
4	Cooler	ESP	45
5	Cement mill - I	Pulse jet type bag filter	21
6	Cement mill – II	Pulse jet type bag filter	21
7	Packer House-I	Pulse jet type bag filter	18
8	Packer House-II	Pulse jet type bag filter	18
9	Cement Silo-1	Pulse jet type bag filter	25
10	Cement Silo-2	Pulse jet type bag filter	24
11	Cement Mill 1 O-Sepa	Pulse jet type bag filter	21
12	Fly Ash Hopper	Pulse jet type bag filter	7
13	Clinker Yard	Pulse jet type bag filter	15
14	Kiln Feed	Pulse jet type bag filter	12
15	Raw Mill blending Silo Top	Pulse jet type bag filter	24

8. The industry shall not store raw materials in open area.
9. The Bag filters shall be designed such that 25% of additional capacity is available as spare to meet the emergency requirements.
10. 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.
11. 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.
12. 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.
13. 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.
14. 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.

15. 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 / Hazardous Waste:

16. The proponent shall comply with the following:

S. No	Type of waste	Existing quantity	Proposed quantity	Total quantity after expansion	Method of disposal
a.	Waste bags & damaged bags	8 TPA	50 TPA	58 TPA	Shall be sold to manufacturer
b.	Used oil	150 LPA	2000 LPA	2150 LPA	To authorized recyclers or re-processors / secondary fuel in kiln
c.	Used Lead acid batteries	8 Nos./month	75 Nos./month	83 Nos./month	To dealers on buy back system
d.	General scrap (Rubber, Metal and Electrical)	7 TPA	30 TPA	37 TPA	Shall be sold to recyclers

17. 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.
- j) The Public Liability Insurance Act, 1991 and its amendments thereof.

Other Conditions:

18. **The industry shall comply with the following as stipulated in the EC order dt. 03.05.2019 and committed to comply vide Ir. dt. 17.07.2019:**
- i. The industry shall arrange for acoustic barriers and locate roll mills and ball mills within those barriers.
 - ii. All the internal roads shall be paved CC or bitumen roads, adequate closed silos for storage of fly ash and clinker and covered shed for storage of gypsum shall be provided,
 - iii. The industry shall procure suitable road sweeping machine to maintain good housekeeping
 - iv. The industry shall install continuous ambient air quality monitoring station.
 - v. The industry shall install online continuous stack monitoring for the cement mill grinding unit.
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., on all sources of noise generation.
20. 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.
21. 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.
22. 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.
23. 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.

**VIVEK YADAV IAS, MS(VY), O/o MEMBER SECRETARY-APPCB
MEMBER SECRETARY**

To

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