



ANDHRA PRADESH POLLUTION CONTROL BOARD
D. No. 33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre,
Chalamalavari Street, Kasturibaipet, Vijayawada - 520 010
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AMENDMENT TO THE CFE ORDER

Order No.265/APPCB/CFE/RO-GNT/HO/2008

25/04/2022

Sub: APPCB - CFE - **M/s. Bhavya Cements Limited, Sy. No. 1172, 838-82, Tangeda (V), Dachepalli (M), Guntur District - Amendment to the CFE order** for using alternative fuels and co-processing - Issued – Reg.

Ref: 1. CFE (exp) order dt.06.12.2018.
2. Industry's application submitted through APOCMMS dt.07.08.2021.
3. R.O: Guntur report dt.25.03.2022
4. CFE Committee meeting held on 31.03.2022.
5. Industry's mail dt.31.03.2022.

In the reference 1st cited, the Board had issued CFE (exp) order to the industry for **generation of Power by Waste Heat Recovery of Kiln pre-heater, Cooler gases & Tertiary air Duct.**

As per EC order dt.22.09.2008:

S. No.	Activity	EC order dt.22.09.2008	As per CFE order dt.06.12.2018
Phase-I			Cement - 4.0 Million TPA
1	Clinker production	3000 TPD	
2	Cement (OPC/PPC)	4200 TPD	
Phase-II			
1	Clinker production	5500 TPD	
2	Cement (OPC/PPC)	7700 TPD	
Power Plant			
1	Captive Power Plant	15 MW	15 MW
Lime Stone Mining		421.89 ha (lease area)	42,07,500 TPA
Waste Heat Recovery Power Plant		--	7,220 KWH (7.22 MW)

As per CFO order dt.29.12.2014, the industry is permitted to produce the following:

S. No.	Products	Quantity
1.	Cement	1.4 Million TPA (4200 TPD x 333.33 days)
2.	Lime stone mining	14,85,000 TPA

As per CFO order dt.15.10.2018 valid up to 31.08.2023, the industry was permitted to use Pet Coke- 166.70 TPD or 5000TPM as an alternate fuel in the Kiln of Cement Plant i.e., i) 50% of Coal and 50%pet coke (or) ii) 100%pet coke

As per CFO order dt.09.07.2020, the industry is permitted to produce the following:

S. No.	Name of the product	Quantity
1	Waste Heat Recovery Power Plant (WHRPP) using Waste Heat recovered from Kiln, Pre-heater, cooler gases and tertiary air duct	7220KWH (7.22 MW)

In the reference 2nd cited, the industry has requested to permit them for co-processing of certain hazardous wastes with specific quantities in the cement kiln. The EE, RO: Guntur submitted a report, vide reference 3rd cited, in this regard.

The item was placed before the CFE Committee in its meeting held on 31.03.2022.

The representatives of the project proponent attended the meeting through video conference.

After detailed discussions, the Committee recommended to issue amendment to CFE only for Co-Processing of hazardous waste in Cement Plant kiln as an alternative fuel.

In view of the above, the Board after careful scrutiny of the representation of the unit, report of the Regional Officer and recommendations of the CFE Committee, hereby issues amendment to the CFE order issued vide reference 1st cited, 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 as following:

The Condition no.14 of the CFE order dt.06.12.2018 shall read as following:

14) The industry shall comply with the following w.r.t. Solid waste and its disposal:

S. No.	Name of the Hazardous wastes	Qty	Mode of Disposal
1	Cement dust	200 kg/day	Recycled back into process
2	Coal ash	130 TPD	Shall be utilized for the raw material for manufacture of PPC.
3	Used/ Waste oil	250 LPA	Disposed to authorized reprocessing agencies through APEMCL.
4	Scraped automobile batteries (ULAB)	4 Nos./ann um	Shall be disposed to authorized agency / sent back suppliers through APEMC.

The industry shall use Hazardous waste as an alternative fuel / Co-processing as follows:-

S. No.	Name of the Hazardous Waste	Stream	Quantity	Method of Disposal
1	Spent Carbon	28.3 of Schedule-I	18000 TPA	Used as alternative fuel in Cement Kiln
2	Spent Organic Residue (Solid)	28.1 of Schedule-I	40000 TPA	
3	ETP Sludge	35.3 of Schedule-I	24000 TPA	Used in Raw Mill as additive
4	Spent Gypsum	28.1 of Schedule-I	30000 TPA	Used in Cement as additive
5	Waste Oil / Used Oil from the machinery of existing cement plant	5.1 of Schedule-I	10 KL/Annum	Used as alternative fuel in Cement Kiln
6	Waste Grease from the machinery of the existing Cement Plant	5.2 of Schedule - I	6000 kg/annum	

- The industry shall comply with the following before applying for CFO:

a.	The proponent shall store all the raw materials, hazardous wastes and non-hazardous wastes in dedicated closed sheds only to control dust pollution and to meet the ambient Air quality standards.
b.	The industry shall install required air pollution control systems so that the concentration of the pollutants in the emissions shall not exceed the standards prescribed by the MoEF&CC, GoI, New Delhi from time to time.
c.	The industry shall obtain CFO of the Board.
d.	Water meters shall be installed to quantify the water consumed for various purposes and log books shall be maintained.
e.	Flow meters shall be installed at the inlet and outlet of STP.

- f. All the OCEMS & CAAQM stations shall be calibrated and rectified. These stations shall be connected to the web sites of CPCB and APPCB.
- g. Provisions shall be provided to do the stack monitoring for the stack of cooler discharge as per norms.
- h. EPR plan for collection of plastic waste shall be submitted.

- **The industry shall obtain amendment to EC order for the mine lease also from M/s. Bhavya Cements Limited to M/s. Bhavya Cements Private Limited. After receipt of the amendment, the industry shall approach the Board for**

amendment to CFE changing the name of the industry.

- All other conditions mentioned in the CFE order issued vide reference 1st cited remain the same.

VIJAY KUMAR

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

To

M/s. Bhavya Cements Limited, (amend)
Sy. No. 1172, 838-82,
Tangeda (V), Dachepalli (M),
Guntur District
Email: environmental@bhavyacement.in

Copy to: 1. The JCEE, Z.O: Vijayawada for information and necessary action.
2. The E.E., R.O: Guntur for information and necessary action.