



**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**

#### **Renewal of Consent to operate and Hazardous Waste Authorization Order**

**Consent Order No :294076/APPCB/KNL/ATP/HO/CFO&HWA/2022-02/01/2023**

CONSENT is hereby granted for Operation under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21/22 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and Authorisation under Rule 6 of the Hazardous & Other Wastes (Management and Transboundary, Movement) Rules, 2016 and the rules and orders made there under (hereinafter referred to as 'the Acts', 'the Rules') to:

**To**

**M/s. Sagar Cements (R) Ltd., (Expansion),**  
**Gudipadu (V), Yadiki (M),**  
**Ananthapuramu District.**  
**Email: [vvprasad@sagarcements.in](mailto:vvprasad@sagarcements.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	Quantity	Point of Disposal
1.	--	--	--

**ii) Emissions from chimneys:**

Chimney No.	Description of Chimney
1.	Stack attached to Raw mill / Kiln of capacity 3000 TPD. (modified/enhanced the existing Kiln capacity from 2000 TPD to 3000 TPD)
2.	Stack attached to cooler of capacity of 3000 TPD. (modified/enhanced the existing cooler capacity from 2500 TPD to 3000 TPD)

**iii) HAZARDOUS WASTE AUTHORISATION (FORM – II) [See Rule 6 (2)]:**

M/s. Sagar Cements (R) Ltd., (Expansion), Gudipadu (V), Yadiki (M), Ananthapuramu District, Andhra Pradesh 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: Nil**

**NON – HAZARDOUS WASTE WITH DISPOSAL OPTION:**

Sl. No.	Name of the Waste	Quantity of waste (kg/day)	Disposal option
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1.	Process (Dust from Bag filters/ESP/RABH)	70TPD	Shall be reused in the process.
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The industry is permitted to use Pet Coke (Imported (or) from refineries in India) – 0.0201 Million Tons/Annum as feed stock or in the manufacturing process in the cement Kiln,

Pet coke quantity/ Annum	Source of pet coke
0.0201 Million Tons / Annum	Imported (or) from refineries in India.

The industry shall comply with the following conditions for import of Petcoke:

The industry shall directly import the pet coke and consignment shall be in the name of the industry for its own use only. Import of pet coke for the purpose of trading shall not be permitted.

The industry shall furnish opening and closing stock of imported Petcoke along with quantity of Petcoke imported during the month and consumption during the month to the Board on monthly basis. The Pet coke shall be used in the cement kiln only and it shall not be used for any other purpose.

**The consent order is valid for manufacture the following products along with capacities only.**

Sl. No.	Products	Quantity
1.	Clinker	0.25 Million TPA
2.	Cement	0.40 Million TPA

This consent order is valid 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 Authorisation shall be valid for a period ending with the **30.09.2025**.

**PRAVIN KUMAR IAS, MS(PK), O/o MEMBER SECRETARY-APPCB**

**To**

**M/s. Sagar Cements (R) Ltd., (Expansion),  
Gudipadu (V), Yadiki (M),  
Ananthapuramu District.**

Copy to:

1. The JCEE, Zonal Office, Kurnool for information.
2. The EE, Regional Office, Anantapuram 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. 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 industry shall ensure that there shall not be any change in the process technology, source & composition of raw materials and scope of working without prior approval from the Board.
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.
9. 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.
10. 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.
11. The industry shall be liable to pay Environmental Compensation / Other Environmental Taxes, 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.
12. The industry may explore the possibility of tapping the solar energy for their energy requirements.
13. The industry should educate the workers and nearby public of possible accidents and remedial measures.

#### **SCHEDULE - B**

1. The industry shall apply separately for utilization of municipal solid waste and plastic waste after providing feeding system to the cement kiln within 4 months.

#### **WATER POLLUTION:**

2. The source of water is borewell. The industry should take steps to reduce water consumption to the extent possible and consumption shall NOT exceed the quantities mentioned below for expansion project:

S. No	Purpose	Quantity (Expansion) (KLD)
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1.	Cooling (Cement Plant)	50.0
2.	Dust suppression / Plantation	20.0
	Total:	70.0

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

3. The industry shall construct separate storm water drains and provide rain water harvesting structures on the available up-stream portion of the plant to recharge ground water.
4. The industry should not discharge any waste water within or outside the premises under any circumstances.

#### AIR POLLUTION:

Chimney No.	Parameter	Emission Standards
1 to 2	Particulate matter	30 mg/Nm <sup>3</sup>
	Particulate Matter (PM)	30 mg/Nm <sup>3</sup>
	SO <sub>2</sub>	100 mg/Nm <sup>3</sup> , 700 mg/Nm <sup>3</sup> and 1000 mg/Nm <sup>3</sup> when pyritic Sulphur in the limestone is less than 0.25%, 0.25 to 0.5% and more than 0.5% respectively.
	NO <sub>x</sub>	(1) 800 mg/Nm <sup>3</sup> for rotary kiln with in Line Calciner (ILC) technology. (2) 1000 mg/Nm <sup>3</sup> for rotary kiln using mixed stream of ILC Separate Line Calciner (SLC) and suspension pre-heater technology or SLC technology alone or without Calciner.
	HCl	10 mg/Nm <sup>3</sup>
	HF	1 mg/Nm <sup>3</sup>
	TOC	10 mg/Nm <sup>3</sup>
	Hg and its compounds	0.05 mg/Nm <sup>3</sup>
	Cd+Ti and their compounds	0.05 mg/Nm <sup>3</sup>
	Sb+As+Pb+Co+Cr+Cu +Mn+Ni_V and their compounds	0.5 mg/Nm <sup>3</sup>
	Dioxins and Furans	0.1 ng TEQ /Nm <sup>3</sup>
10	Particulate Matter (PM)	115 mg/Nm <sup>3</sup>

- Particulate matter from raw mill, kiln and pre-calciner system put together shall not exceed 0.125 Kg/tonne of clinker.
5. The industry shall not contain constituents in excess of the prescribed limits mentioned below, as notified by the MoEF&CC, GoI vide G.S.R. No.612 (E), dated 25.08.2014 and G.S.R. No.497(E), dated 10.05.2016.

Chimney No.	Parameter	Emission Standards
1 to 4	Particulate matter (PM)*	30 mg/Nm <sup>3</sup>

	SO <sub>2</sub> **	100 mg/Nm <sup>3</sup>
	NO <sub>x</sub>	800 mg/Nm <sup>3</sup>
* The norms of SO <sub>2</sub> & NO <sub>x</sub> shall be applicable to kiln only.		
** Assuming pyritic sulphur to the limestone is less than 0.25%.		

\*Particulate Matter from Rotary Kiln based plants – raw mill, kiln and pre-calciner system put together shall not exceed 0.125 Kg/tonne of clinker.

6. The industry shall comply with ambient air quality standards of PM<sub>10</sub>–100 micrograms/ m<sup>3</sup>; PM<sub>2.5</sub>- 60 micrograms/m<sup>3</sup>; SO<sub>2</sub> - 80 micrograms/m<sup>3</sup>; NO<sub>x</sub> - 80 micrograms/m<sup>3</sup> (day average standards) 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)

7. 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 and G.S.R.448(E), dated 12.07.2004 under the Environment (Protection) Act Rules. 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.

8. The industry shall provide concrete roads in the plant and water shall be sprinkled on the roads periodically to control the fugitive dust emissions. Vacuum/pneumatic dust collection system shall be used for cleaning the internal roads.

9. The industry shall provide vehicle mounted mechanical sweeper for regular cleaning of dust on the roads, plant floors and other dust areas in the premises.

10. The industry shall maintain the mechanized dust suppression system (MDSS) to control fugitive emission effectively to control the dust emissions. The mechanized dust suppression system should be operated continuously to ensure compliance of AAQ standards consistently.

11. 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.

12. The industry shall maintain and submit records of daily operating hours of kiln, ESP tripping to RO on monthly basis.

13. The Bag house shall be designed such that 25% of additional capacity is available as spare to meet the emergency requirements.

14. A sampling port with removable dummy of not less than 15cm 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.

15. The industry shall maintain interlocking system for air pollution control equipment and raw material feeding system to regulate the feeding of raw material into the kiln, so that feeding of raw material would be stop in case of failure of air pollution control equipment.

16. The industry shall provide and maintain continuous stack emission monitoring system for all the major stacks and the data generated shall be networked with APPCB and CPCB for web display as per CPCB directions.

17. The industry shall ensure the online continuous monitoring systems provided by the industry are properly programmed and linked to the PLC so as to indicate

representative values, particularly during the failure or non operation of the pollution control systems.

18.The industry shall ensure regular maintenance and operation of on-line stack monitoring systems and CAAQM stations with the tamper proof mechanism and having facilities for online calibration.

19.The 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.

**GENERAL:**

20.The industry shall not increase the capacity beyond the permitted capacity mentioned in this order, without obtaining CFE&CFO of the Board.

21.The industry shall not store the fuels, raw materials and wastes in open area. They shall be transport/receive in covered conditions to control fugitive emissions and odour nuisance.

22.All the bag filter dust, raw material dust, coal dust, clinker dust and cement dust from pollution control devices shall be 100% recycled and reused in the process and used for cement manufacturing.

23.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.
- c. Log Books for pollution control systems.
- d. Characteristics of effluents and emissions.
- e. Hazardous/non hazardous solid waste generated and disposed.
- f. Inspection book.
- g. Manifest copies of effluents / hazardous waste.

24.The industry shall implement the Fly ash notification 2009 and its amendments thereof.

25.The industry shall store fly ash in silos and shall be conveyed through pneumatic conveyor for utilization in cement manufacture.

26.The industry shall furnish details of fly ash brought from the nearby Coal based Thermal Plants on quantity of fly ash consumed per each ton of product, inventory of fly ash at on-site along with details of measures implemented to mitigate fugitive emissions at various transfers to the RO for every three months.

27.The industry shall regularly operate the Sewage Treatment Plant for treatment of domestic effluents and shall comply the standards before utilizing the treated waste water for onland for irrigation/gardening.

28.Solid waste from sewage treatment plant (STP) shall be used as manure. No solid waste shall be disposed off from the cement plant.

29.The industry shall maintain the records on the clinker production, utilized for cement production and stocks maintained at on site and should submit consolidated reports to the Regional Office of the Board.

30.The industry shall maintain 33% of the green belt with all growing trees in the industry premises.

31.The industry shall comply with standards and directions issued by CPCB/MoEF&CC as and when notifications are issued.

32.The industry shall comply with all the conditions stipulated in the Environmental Clearance dt.26.02.2010, 03.05.2019, 05.09.2022 and 31.10.2022 and CTE & CTO orders of the Board.

33.The industry shall comply with all the directions issued by the Board from time to

time.

**Special conditions:**

34. The industry shall furnish opening and closing stock of Pet Coke along with quantity of Pet Coke consumption during the month to the Board on quarterly basis.
35. 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.
36. The industries and isolated storages that are storing hazardous chemicals less than the threshold quantities mentioned under MSIHC Rules, 1989 shall submit safety certificate to the concerned Regional Office, APPCB.
37. The industry shall submit a copy of the NOC issued by the Andhra Pradesh State Disaster Response and Fire Service Dept., (APSDRFSD) at concerned Regional Office, APPCB.
38. The industry shall submit Half yearly compliance reports to all the stipulated conditions in Environmental Clearance (EC), Consent To Establish (CTE) and Consent To Operate (CTO) through website i.e., <https://pcb.ap.gov.in> by 1<sup>st</sup> of 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.

**SCHEDULE – C**

***[See rule 6(2)]***

**[CONDITIONS OF AUTHORISATION FOR OCCUPIER OR OPERATOR  
HANDLING HAZARDOUS WASTES]**

1. The following acceptance criteria shall be followed for utilization of Hazardous waste in the rotary kiln:

Specification of HW for use as Alternative raw material:

Parameter	Limit
Volatile Organic Hydrocarbon	<5000 ppm
Total Organic Carbon (TOC)	<1000 ppm
CaO+SiO <sub>2</sub> +Al <sub>2</sub> O <sub>3</sub> +Fe <sub>2</sub> O <sub>3</sub> +SO <sub>3</sub> (in Ash)	>80%
Chloride	<1.5%
Sulphur	<1.5%
PCB/PCT (ppm)	<5.0
Heavy Metals (ppm)	
Hg	<10
Cd+Ti+Hg	<100
As+Co+Ni+Se+Te+Sb+Cr+Sn+Pb+V	<10000

Specification of HW for use of Energy recovery:

Parameter	Limit
Calorific Value As received basis	>2500 k Cal/Kg
Ash	
-Liquid	<5%
-Solid	<20%
Chloride	<1.5%

Halogens (F+Br+I)	<1.0%
Sulphur	<1.5%
PCB/PCT (ppm)	<50
Heavy Metals (ppm)	
Hg	<10
Cd+Tl+Hg	<100
As+Co+Ni+Se+Te+Sb+Cr+Sn+Pb+V	<2500
pH	4 To 12
Viscosity (cSt) for liquid	<100
Flash Point (Deg Centigrade) (for liquid)	>60

2. The industry shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
3. The industry shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
4. The industry shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
5. 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.
6. The industry 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;
7. The industry 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”.
8. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
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. Only the permitted alternate fuels should be used for the co-processing.
12. The industry should follow the guidelines for labeling, transportation, storage and disposal hazardous waste.
13. The waste high calorific value have to be always fed into the high temperature combustion zones of the Kiln system. Such waste containing stable toxic components should be fed to the main burner to ensure complete combustion in the high temperature and long retention time.
14. The industry shall verify the compatibility of the different wastes before blending the waste.
15. The industry shall take all safety measures to prevent accidents while handling the hazardous wastes.
16. The industry shall take all precautionary measures to prevent odour nuisance and spillages while handling the hazardous wastes.
17. The industry shall submit the emission monitoring reports to all the critical parameters, as per the CPCB guidelines for co-processing of hazardous wastes through



NABL accredited laboratory.

**Specific Conditions:**

1. The industry shall comply with the provisions of HWM Rules, 2016 in terms of interstate transport of Hazardous Waste and manifest document prescribed Under Rule 18 and 19 of the HWM Rules, 2016.
2. The industry shall not store hazardous waste for more than 90 days as per the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.
3. The industry shall accept the hazardous waste/other wastes as a raw material and alternative fuel for co-processing in cement kiln through online manifest system as per Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016.
4. The industry shall carryout pre-processing and co-processing of wastes as per the guidelines of CPCB and Standard Operation Procedures(SOPs) specified in the guidelines.
5. A log book shall be maintained for the quantity of waste received from generators, storage details and co-processed and same shall be submitted at RO, APPCB on monthly basis.
6. The actual quantity of hazardous waste co-processed monthly shall be reported by cement plant and hazardous waste generator to RO, APPCB.
7. 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.
8. The industry shall receipt the hazardous waste through vehicle fitted with authorized GPS tracking system.
9. The industry shall accept the waste through 7 copy manifest system from generators 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.
10. 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.
11. In case of any violations in the conditions stipulated, the permission can be withdrawn at any time.

**PRAVIN KUMAR IAS, MS(PK), O/o MEMBER SECRETARY-APPCB**

**To  
M/s. Sagar Cements (R) Ltd., (Expansion),  
Gudipadu (V), Yadiki (M),  
Ananthapuramu District.**



**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/>**

**Consent Amendment Order No.294076 /APPCB/KNL/ATP/CFO&HWA/HO/2022-**

**12/09/2022**

<b>Sub :-</b>	APPCB - UH-IV- CFO&HWA – M/s. Sagar Cements (R) Ltd., (Cement Plant) Gudipadu (V), Yadiki(M), Anantapuram District - Amendment to CFO & HWA Order dated 14.12.2020 - for enhancement of Used oil & Waste grease quantity & changing the disposal option for the waste - Issued – Reg.
<b>Ref: -</b>	<ol style="list-style-type: none"> <li>1. CFO Order dated 14.12.2020 valid up to 30.09.2025.</li> <li>2. Industry's request for CFO (amendment) &amp; BG release received on 03.08.2022.</li> <li>3. RO, Anantapuram report dt. 16.08.2022</li> <li>4. CFO Committee meeting held on 24.08.2022.</li> </ol>

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The Board issued CFO & HWA to the industry vide order dated 14.12.2020 with validity up to 30.09.2025 stipulating condition that the industry shall comply with the conditions within the stipulated time failing with the Bank Guarantee of Rs. 5.0 Lakhs submitted by the industry will be forfeited without any notice.

The industry submitted representation dt.03.08.2022 to the Board stating that they have complied with the non-compliances i.e., i) not provided automatic water sprinkling system & ii) not constructed storage sheds and requested for release of Bank Guarantee. The industry has also requested to issue amendment for the Hazardous waste authorization dated 14.12.2020 is as follows: i) Increasing the quantity of waste oil/grease from 5.5 KL/ Annum to 24 KL/Annum and to change the mode of disposal of used oil/waste grease from "shall be utilized as a lubricant within the premises" to "shall be used as a lubricant within the premises / to authorized re-processors / recyclers /to the cement industries for co-processing". ii) for utilization of leaching sludge /chrome sludge (38.1 of Sch-I) generated at M/s. Vishnu Chemicals Limited, Vishakhapatnam as a raw mix component in co-processing in clinker manufacturing. The RO, Ananthapuramu submitted the report.

The issue of CFO amendment was placed in the CFO committee meeting held on 24.08.2022 and the committee the issue recommended "the RO, Anantapuram to release the Bank Guarantee of Rs. 5.0 Lakhs" and "to issue CFO amendment for enhancement of Used oil & Waste grease quantity from 5.5 KL/annum to 24 KL/annum, changing the disposal option for the waste i.e., Used oil & Waste grease & Hi-chrome grinding media from cement manufacturing process and utilization of leaching sludge / chrome sludge of 38.1 of Schedule – I as a raw material in clinker manufacturing".

The Board after careful scrutiny, hereby issues the following amendments to the CFO & HWA Order dt:14.12.2020, issued by the Board vide reference 1<sup>st</sup> cited, under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21/22 of Air

(Prevention & Control of Pollution) Act 1981 and amendments thereof and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary, Movement) Rules, 2016 and the rules and orders made there under.

**Amendment:**

The table in the CFO order dt. 14.12.2020 “Hazardous waste recycling option” shall be replaced with the following table:

S.No.	Name of the Hazardous waste	Stream	Quantity of Hazardous waste	Disposal Option
1	Hi-chrome grinding media from process	--	2.50 TPA	Shall be disposed to recyclers / return back to suppliers
2	Used oil & Waste grease	5.1 of Sch-I	24 KL/Annum	Shall be used as a fuel in the kiln / lubricant within the premises / routed through M/s. APEMC to authorized re-processors / recyclers / to the cement industries for co-processing

The following hazardous waste is also included under the “Hazardous waste collection option” in addition to the existing usage of the Hazardous wastes as mentioned in the CFO amendment order dt:14.06.2022:

S.No.	Name of the Hazardous waste	Stream	Quantity of Hazardous waste	Disposal Option
3.	Leaching sludge /chrome sludge	38.1 of Sch-I	10,000 Tones/Annum	Shall be routed through M/s. APEMC to use as a raw mix component in clinker manufacturing

All other conditions mentioned in Schedule – A, B & C of the combined CFO & HWA order issued by the Board vide reference 1st cited & its validity period will remain the same.

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

**To**

**The Occupier,**

**M/s. Sagar Cements (R) Limited, (Cement Plant),**

**Gudipadu (V), Yadiki (M),**

**Ananthapuramu District**

**Email: vvprasad@sagarcements.in**

Copy to:


1. The JCEE, Zonal Office, Kurnool for information.
2. The EE, Regional Office, Anantapuram for information and necessary action. He is directed to release the Bank Guarantee of Rs. 5.0 Lakhs submitted by the industry.

Signed by Vijay Kumar

Gsrkr Ias

Date: 12-09-2022 13:36:12

Reason: Approved

	<p align="center"><b>ANDHRA PRADESH POLLUTION CONTROL BOARD</b>  D.No.33-26-14D/2, Near Sunrise Hospital, Pushpa Hotel Centre,  Chalamalavari Street, Kasturibaipet, Vijayawada – 520 010  Phone. No.0866-2463200, Website : <a href="https://pcb.ap.gov.in/">https://pcb.ap.gov.in/</a></p>
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**Amendment Order No.294076 /APPCB/KNL/ATP/CFO&HWA/HO/2022**

14/06/2022 f

<b>Sub :-</b>	APPCB - UH-IV-CFO&HWA – M/s. Sagar Cements (R) Ltd. (Cement Plant) Gudipadu (V), Yadiki(M), Anantapuram District - Request for CFO & HWA (Amendment) - Amendment to CFO & HWA Order dated 14.12.2020 – for usage of alternative fuels in the Cement Kiln - Issued – Reg.
<b>Ref: -</b>	<ol style="list-style-type: none"> <li>1. CFO Order dated 14.12.2020 valid up to 30.09.2025.</li> <li>2. CFO Amendment Order dt.10.02.2022.</li> <li>3. CFE Order dt.06.05.2022 for usage of alternative fuels in the Kiln.</li> <li>4. Industry's CFO application received through APOCMMS on 13.05.2022.</li> <li>5. RO, Anantapur report dt.19.05.2022.</li> <li>6. CFO Committee meeting held on 08.06.2022.</li> </ol>

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The Board vide order dt:14.12.2020 issued CFO&HWA to the industry to manufacture Clinker-0.75 Million TPA; Cement-0.95 Million TPA (Note: Cement of 0.95 Million TPA is inclusive of clinker of 0.75 Million TPA) with validity upto 30.09.2025 and CFO&HWA Order dt.29.04.2021 for Electric Power Generation (Captive Power Consumption)-25 MW with validity upto 31.05.2026 separately.

The Board also issued Amendment for CFO&HWA order vide order dt.10.12.2022 for usage of Dolochar – 10,000 TPA , Biomass (Rice Husk or Coconut shells or Ground nut Husk or waste wood or Mango kernels etc.) of about 10,000 TPA.; Pharmaceuticals waste (Spent Iron Sludge from Pharmaceuticals industries) – 5000 TPA, as alternative fuel in the Cement Kiln.

The industry submitted a representation vide reference 4<sup>th</sup> cited, requesting to issue CFO&HWA (amendment) for usage of the Hazardous wastes – 20,000 TPA, as an alternative fuel in the kiln as follows:

- Hazardous waste i.e., sludge and filters contaminated with oil (3.3 of Schedule-I), oil sludge or emulsion (4.1 of Schedule-I), Spent clay containing oil (4.5 of Schedule-I), Used or spent oil , Wastes or residues containing oil/Grease (5.1 & 5.2 of Schedule-I), Contaminated aromatic, aliphatic or naphthenic solvents may or may not be fit for reuse (20.1 of Sch-I), Spent Solvents (20.2 of schedule I), Distillation Residues (20.3 of schedule I), Process sludge (20.4 of schedule I), Process wastes, residues and sludges(21.1 of Schedule I) Spent Solvent (21.2 of Schedule I) Process residue (28.1 of schedule I) Spent Catalyst (28.2 of schedule I), Off specification products (28.4 of schedule I), Date - Expired Products (28.5 of schedule I), Spent Solvents (28.6 of schedule I) Contaminated cotton rags or other cleaning materials (33.2 of schedule I), Spent ion exchange resin containing toxic metals (35.2 of schedule I), ETP Sludge (35.3 of schedule I), Any process or distillation residue (36.1 of schedule I).

The request of the industry for issue of CFO&HWA (Amendment) was placed in the CFO Committee meeting held on 08.06.2022 and the committee reviewed the issue.

After detailed discussion, the recommended to amend CFO&HWA order to the industry for usage of Hazardous wastes – 20,000 TPA, as an alternative fuel in the Cement kiln.

The Board after careful scrutiny, hereby issues for the following amendments to the CFO & HWA Order dt:14.12.2020, issued by the Board vide reference 1<sup>st</sup> cited, under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21/22 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary, Movement) Rules, 2016 and the rules and orders made there under (hereinafter referred to as 'the Acts', 'the Rules'):

**Amendment:**

In the CFO&HWA order, usage of the Hazardous wastes – 20,000 TPA, as an alternative fuel in the Cement kiln as follows:

- Hazardous waste i.e., sludge and filters contaminated with oil (3.3 of Schedule-I), oil sludge or emulsion (4.1 of Schedule-I), Spent clay containing oil (4.5 of Schedule-I), Used or spent oil, Wastes or residues containing oil/Grease (5.1 & 5.2 of Schedule-I), Contaminated aromatic, aliphatic or naphthenic solvents may or may not be fit for reuse (20.1 of Sch-I), Spent Solvents (20.2 of schedule I), Distillation Residues (20.3 of schedule I), Process sludge (20.4 of schedule I), Process wastes, residues and sludges (21.1 of Schedule I) Spent Solvent (21.2 of Schedule I) Process residue (28.1 of schedule I) Spent Catalyst (28.2 of schedule I), Off specification products (28.4 of schedule I), Date - Expired Products (28.5 of schedule I), Spent Solvents (28.6 of schedule I) Contaminated cotton rags or other cleaning materials (33.2 of schedule I), Spent ion exchange resin containing toxic metals (35.2 of schedule I), ETP Sludge (35.3 of schedule I), Any process or distillation residue (36.1 of schedule I).

All other conditions mentioned in Schedule – A, B & C of the combined CFO &HWA order issued by the Board vide reference 1<sup>st</sup> cited & its validity period will remain the same.

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

**To**  
**The Occupier,**  
**M/s. Sagar Cements (R) Limited (Cement Plant)**  
**Gudipadu (V), Yadiki (M),**  
**Ananthapuramu District.**  
**Email: vvprasad@sagarcements.in**

**Copy to:**

1. The Joint Chief Environmental Engineer, Zonal Office, Kurnool for information.
2. The Environmental Engineer, Regional Office, Anantapuram for information and necessary action.



**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/>**

**Amendment Order No.294076 /APPCB/KNL/ATP/CFO&HWA/HO/2022**

10/02/2022

<b>Sub :-</b>	APPCB–UH-IV-CFO&HWA– M/s. Sagar Cements (R) Ltd., (Cement Plant) Gudipadu (V), Yadiki(M), Anantapuram District - Request for CFO & HWA (Amendment) - Amendment to CFO & HWA Order dated 14.12.2020 - for usage of alternative fuel in the Cement Kiln - Issued – Reg.
<b>Ref: -</b>	1. CFO Order dated 14.12.2020 valid up to 30.09.2025. 2. Industry's request for CFO (amendment) received on 08.01.2022. 3. Minutes of CFO Committee meeting held on 28.01.2022.

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The Board vide order dt:14.12.2020 issued CFO&HWA to the industry to manufacture Clinker-0.75 Million TPA; Cement-0.95 Million TPA with validity upto 30.09.2025 and CFO&HWA Order dt.29.04.2021 for Electric Power Generation (Captive Power Consumption)-25 MW with validity upto 31.05.2026 separately.

The industry submitted a representation vide reference 2<sup>nd</sup> cited, requesting to issue CFO&HWA (amendment) for Usage of Alternative Fuel in the Cement Kiln as follows:

1. Usage of Dolochar of about 10,000 TPA,
2. Bio mass (Rice Husk or Coconut shells or Ground nut Husk or waste wood or Mango kernels etc.,) of about 10,000 TPA
3. Pharmaceutical waste (Spent Iron Sludge from Pharmaceutical industries) – 5000 TPA, as alternative fuel in the Cement Kiln. for period of 4 years i.e., 01/2022 to 12/2025.

The request of the industry for issue of CFO&HWA (Amendment) was placed in the CFO Committee meeting held on 28.01.2021 and the committee reviewed the issue.

After detailed discussion, the committee recommended to amend CFO& HWA order to the industry for usage of alternative fuel in the Cement Kiln.

The Board after careful scrutiny, hereby issues for the following amendments to the CFO & HWA Order dt:14.12.2020, issued by the Board vide reference 1<sup>st</sup> cited, under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21/22 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary, Movement) Rules, 2016 and the rules and orders made there under (hereinafter referred to as 'the Acts', 'the Rules')

#### **Amendment:**

In the CFO order Usage of Alternative Fuel in the Cement Kiln as follows:

1. usage of Dolochar of about 10,000 TPA,

2. Bio mass (Rice Husk or Coconut shells or Ground nut Husk or waste wood or Mango kernels etc.,) of about 10,000 TPA
3. Pharmaceutical waste (Spent Iron Sludge from Pharmaceutical industries) – 5000 TPA, as alternative fuel in the Cement Kiln.

All other conditions mentioned in Schedule – A, B & C of the combined CFO &HWA order issued by the Board vide reference 1st cited & its validity period will remain the same.

KANDAVALLI VENKATESWARA RAO, CEE(KVR), O/o CHIEF ENVIRONMENTAL  
ENGINEER-APPCB

**To**  
**The Occupier,**  
**M/s. Sagar Cements (R) Limited,**  
**(Cement Plant),**  
**Gudipadu (V), Yadiki (M),**  
**Ananthapuramu District**  
**Email:** vvprasad@sagarcements.in

**Copy to:**

1. The Joint Chief Environmental Engineer, Zonal Office, Kurnool for information.
2. The Environmental Engineer, Regional Office, Anantapuram for information and necessary action.





**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**  
**RENEWAL OF CONSENT & AUTHORIZATION ORDER**

**Consent Order No : APPCB/KNL/ATP/17731/HO/CFO/2020- 14/12/2020**

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 & Other Wastes (Management and Transboundary, Movement) Rules, 2016 and the rules and orders made there under (hereinafter referred to as 'the Acts', 'the Rules') to:

**M/s Sagar Cements (R) Limited,**  
**Gudipadu (V), Yadiki (M),**  
**Ananthapuramu District**  
**Email: [vvprasad@sagarcements.in](mailto:vvprasad@sagarcements.in), [environment-r@sagarcements.in](mailto:environment-r@sagarcements.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	170	After treatment in STP, 150 KLD shall be used on land for irrigation within the premises and 20 KLD shall be recycled into the process, duly meeting the Board's prescribed standards.
2.	Service water	6	On land for irrigation duly meeting the Board's prescribed standards.

**ii) Emissions from chimneys:**

Chimney No.	Description of Chimney
1.	Attached to Raw mill / Kiln of capacity 2000 TPD
2.	Attached to cooler of capacity 2500 TDP
3.	Attached to Cement mill of capacity 150TPH
4.	Attached to Coal mill of capacity 23 TPH

**iii) HAZARDOUS WASTE AUTHORISATION (FORM - II) [See Rule 6 (2)]:**

M/s Sagar Cements Limited, Gudipadu (V), Yadiki (M), Ananthapuramu District is hereby granted an authorization to operate a facility for collection, reception, storage,



treatment, transport and disposal of Hazardous Wastes namely:

**HAZARDOUS WASTES RECYCLING OPTION:**

S.No.	Name of the Hazardous waste	Stream	Quantity of Hazardous waste	Disposal Option.
1.	Hi chrome grinding media from process	--	2.50 TPA	Shall be routed through M/s. Andhra Pradesh Environment Management Corporation Limited (APEMCL) so as to returned to the manufacturers
2.	Used oil & waste grease	5.1 of schedule-1	5.5 KL/Annum	Shall be utilized as lubricant within the premises.

**NON- HAZARDOUS WASTE WITH DISPOSAL OPTION:**

Sl No	Name of the waste	Quantity of waste(kg/day)	Disposal Option
1	Process (Dust from Bag filters)	5 TPD	Shall be reused in the process.
2	STP sludge	2.0 TPA	Shall be utilized as manure within the premises.
3	Boiler Ash	180 TPD	To Brick Manufacturers.

This consent order is valid to manufacture the following products along with quantities only.

S.No	Products	Capacity
1	Clinker	0.75 Million TPA
2	Cement*	0.95 Million TPA

\*Cement of 0.95 MTPA is produced using clinker of 0.75 Million TPA and additives.

The industry is permitted to use Petcoke (Imported / from refineries in India) - 6666.66 Tons/Month as feed stock or in the manufacturing process in the cement kiln.

Pet coke quantity / month	Pet coke quantity / Annum	Sources of pet coke
6666.66Tons	79,999.92 Tons	Imported (or) from refineries in India

- The industry shall comply with the following conditions for import of Petcoke:
  - The industry shall directly import the pet coke and consignment shall be in the name of the industry for its own use only.
  - Import of pet coke for the purpose of trading shall not be permitted.
  - The industry shall furnish opening and closing stock of imported Petcoke along with quantity of Petcoke imported during the month and consumption during the month to the Board on monthly basis.
- The Petcoke shall be used in the cement kiln only and it shall not be used for any other purpose.

This consent order is valid to use following additional alternate fuels in the Cement Kiln in addition to Coal (370 TPD) and Pet coke (6666.66 TPM):

**Hazardous Waste use as a alternate fuel in the cement kiln**

Sl No	Name of the waste	Stream	Quantity of waste(kg/day)	source
1	Carbon Black	---	0.010 Million TPA	M/s. Andhra Pradesh Environment Management Corporation Limited (APEMCL) so as to use as a alternate fuel in the industry's cement kiln.
2	Spent Carbon	28.3 & 36.2 of schedule-1	0.0050 Million TPA	

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 Authorisation should be valid for a period ending with the **30<sup>th</sup> day of September 2025.**

DR. B.MADHUSUDHANA RAO, JCEE(MSRB), O/o JOINT CHIEF ENVIRONMENTAL ENGINEER-4-APPCB

To

**M/s Sagar Cements (R) Limited,  
Gudipadu (V), Yadiki (M),  
Ananthapuramu District**

Copy to:

1. The JCEE, Zonal Office, Kurnool for information and necessary action.
2. The Environmental Engineer, Regional Office, Ananthapuramu 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. 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 industry shall ensure that there shall not be any change in the process technology, source & composition of raw materials and scope of working without

prior approval from the Board.

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.
9. 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.
10. 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.
11. The industry shall be liable to pay Environmental Compensation / Other Environmental Taxes, 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.
12. The industry may explore the possibility of tapping the solar energy for their energy requirements.
13. The industry should educate the workers and nearby public of possible accidents and remedial measures.

#### **SCHEDULE - B**

1. The industry shall comply with the following conditions within stipulated time, failing which the bank guarantee of Rs. 5 lakhs submitted by the industry will be forfeited without any notice:
  - i. The industry has not provided automatic water sprinkler system all along the roads to minimize the dust emission as per the CFO. The industry shall install automatic water sprinkler system within 3 months i.e., before 01.03.2021.
  - ii. The raw materials storage shed to store materials like coal, red mud, gypsum, iron ore is insufficient and the materials are kept in open. The industry shall construct sheds for storage of raw materials within 6 months i.e., before 01.06.2021 and shall not store the raw material and clinker in open.

#### **WATER POLLUTION:**

2. The source of water is borewell. The industry should take steps to reduce water consumption to the extent possible and consumption should NOT exceed the quantities mentioned below:

S.no	Purpose	Quantity
1.	Cooling (Cement Process)	500 KLD
2.	Domestic (Plant & Colony)	200 KLD
<b>Total:</b>		<b>700 KLD</b>

3. Separate flow meters with totalisers to necessary pipe-line shall be provided for assessing the quantity of water used for each of the purposes mentioned above.
4. The industry shall comply the following effluent standards based on the disposal points permitted:

Outlet No.	Parameter	Limiting standards
1	pH	5.5 - 9.0
	Total Suspended solids	<100 mg/l
	BOD	30 mg/l
	Oil and Grease	10 mg/l
	Fecal coliform (FC) (Most Probable Number per 100 milliliter, MPN/100 ml)	< 1000

Outlet No.	Parameter	Limiting standards
2	pH	5.5 - 9.0
	Total Suspended solids	<100 mg/l
	BOD	30 mg/l
	Oil and Grease	10 mg/l

5. The industry shall construct separate storm water drains and provide rain water harvesting structures on the available up-stream portion of the plant to recharge ground water.
6. The industry shall not wash the freighted vehicles within the industry premises.
7. The industry should not discharge any waste water within or outside the premises under any circumstances.

#### AIR POLLUTION:

8. The industry shall not contain constituents in excess of the prescribed limits mentioned below, as notified by the MoEF&CC, GoI vide G.S.R. No. 612 (E), dated 25.08.2014 and G.S.R. No. 497 (E), dated 10.05.2016.

Chimney No.	Parameter	Emission Standards
1 to 4	Particulate Matter (PM) *	30 mg/Nm <sup>3</sup>
	SO <sub>2</sub> **	100 mg/Nm <sup>3</sup>
	NO <sub>x</sub>	800 mg/Nm <sup>3</sup>
	* The norms of SO <sub>2</sub> & NO <sub>x</sub> shall be applicable to kiln only ** Assuming pyritic sulphur to the limestone is less than 0.25 %	

\* Particulate Matter from Rotary Kiln based plants - raw mill, kiln and pre-calciner system put together shall not exceed 0.125 Kg/tonne of clinker.

9. The industry shall comply with ambient air quality standards of PM<sub>10</sub> (Particulate Matter size less than 10mm) - 100 mg/ m<sup>3</sup>; PM<sub>2.5</sub> (Particulate Matter size less than 2.5 mm) - 60 mg/ m<sup>3</sup>; SO<sub>2</sub> - 80 mg/ m<sup>3</sup>; NO<sub>x</sub> - 80 mg/m<sup>3</sup>, 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 provide concrete roads in the plant and water shall be sprinkled on the roads periodically to control the fugitive dust emissions. Vacuum / pneumatic dust collection system shall be used for cleaning the internal roads.
- 12.The industry shall provide vehicle mounted mechanical sweeper for regular cleaning of dust on the roads, plant floors and other dust areas in the premises
- 13.The industry shall maintain the mechanized dust suppression system (MDSS) to control fugitive emissions effectively to control the dust emissions. The mechanized dust suppression system should be operated continuously to ensure compliance of AAQ standards consistently.
- 14.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.
- 15.The industry shall maintain and submit the records of daily operating hours of kiln, ESP and reasons for ESP tripping to RO on monthly basis.
- 16.The Bag house shall be designed such that 25% of additional capacity is available as spare to meet the emergency requirements.
- 17.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.
- 18.The industry shall maintain interlocking system for air pollution control equipment and raw material feeding system to regulate the feeding of raw material into the kiln, so that feeding of raw material would be stop in case of failure of air pollution control equipment.
- 19.The industry shall provide and maintain continuous stack emission monitoring system for all the major stacks and the data generated shall be networked with APPCB and CPCB for web display as per CPCB directions.
- 20.The industry shall ensure the online continuous monitoring systems provided by the industry are properly programmed and linked to the PLC so as to indicate representative values, particularly during the failure or non operation of the pollution control systems.
- 21.The industry shall ensure regular maintenance and operation of on-line stack monitoring systems and CAAQM stations with the tamper proof mechanism and having facilities for online calibration.
- 22.The 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.

**GENERAL:**

- 23.The industry shall not increase the capacity beyond the permitted capacity

mentioned in this order, without obtaining CFE & CFO of the Board.

24. The industry shall not store the fuels, raw materials and wastes in open area. They shall be transported / receive in covered conditions to control fugitive emissions & odour nuisance.
25. All the bag filter dust, raw material dust, coal dust, clinker dust and cement dust from pollution control devices shall be 100% recycled and reused in the process and used for cement manufacturing.
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.
  - b. Quantity of Effluents generated, treated, recycled/reused and disposed.
  - c. Log Books for pollution control systems.
  - d. Characteristics of effluents and emissions.
  - e. Hazardous/non hazardous solid waste generated, received, used as alternative raw material, used as alternative fuel and disposed.
  - f. Inspection book.
  - g. Manifest copies of effluents / hazardous waste.
27. The industry shall implement the Fly ash notification. 2009 and its amendments thereof.
28. The industry shall store fly ash in silos and shall be conveyed through pneumatic conveyor for utilization in cement manufacture.
29. The industry shall furnish details of fly ash brought from the nearby Coal based Thermal Plants on quantity of fly ash consumed per each ton of product, inventory of fly ash at on-site along with details of measures implemented to mitigate fugitive emissions at various transfers to the RO for every three months.
30. The industry shall regularly operate the Sewage Treatment Plant for treatment of domestic effluents and shall comply the standards before utilizing the treated waste water for onland for irrigation.
31. Solid waste from sewage treatment plant (STP) shall be used as manure. No solid waste shall be disposed off from the cement plant.
32. The industry shall maintain the records on the clinker production, utilized for cement production and stocks maintained at on site and should submit consolidated reports to the Regional Office of the Board.
33. The industry shall maintain 33% of the green belt with tall growing trees in the industry premises.
34. The industry shall comply with standards and directions issued by CPCB / MoEF&CC as and when notifications are issued.
35. The industry shall comply with all the conditions stipulated in the Environmental Clearance dt.26.02.2010 and 03.05.2019 and CFE order dated 09.08.2010.
36. The industry shall comply with all the directions issued by the Board from time to time.

#### **SPECIAL CONDITIONS:**

1. The industry shall furnish opening and closing stock of Pet Coke along with quantity of Pet Coke consumption during the month to the Board on quarterly basis.
2. VOC meters with real time data transmission facility through internet of things (IoT) shall be installed near the hazardous waste storage area & blending and mixing area and link to the servers of APPCB, within 3 months.
3. 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.

4. The industries and isolated storages that are storing hazardous chemicals less than the threshold quantities mentioned under MSIHC Rules, 1989 shall submit safety certificate to the concerned Regional Office, APPCB
5. The industry shall submit a copy of the NOC issued by the Andhra Pradesh State Disaster Response and Fire Service Dept., (APSDRFSD) at concerned Regional Office, APPCB

### **SCHEDULE - C**

**[See rule 6(2)]**

### **[CONDITIONS OF AUTHORISATION FOR OCCUPIER OR OPERATOR HANDLING HAZARDOUS WASTES]**

1. The following acceptance criteria shall be followed for utilization of Hazardous waste in the rotary kiln.

Specification of HW for use as Alternative raw material:

Parameter	Limit
Volatile Organic Hydrocarbon	< 5000 ppm
Total Organic Carbon(TOC)	< 1000 ppm
CaO+Sio <sub>2</sub> +A <sub>12</sub> O <sub>3</sub> +Fe <sub>2</sub> O <sub>3</sub> +SO <sub>3</sub> (in Ash)	> 80%
Chloride	< 1.5%
Sulphur	< 1.5%
PCB/PCT(ppm)	< 5.0
Heavy Metals (ppm)	
Hg	< 10
Cd+Ti+Hg	< 100
As+Co+Ni+Se+Te+Sb+Cr+Sn+Pb+V	< 10000

Specification of HW for use as Energy recovery:

Parameter	Limit
Calorific Value As received basis	>2500 k Cal/Kg
Ash	
-Liquid	< 5%
-Solid	< 20%
Chloride	< 1.5 %
Halogens (F+Br+I)	< 1.0 %
Sulphur	< 1.5 %
PCB/PCT (ppm)	< 50
Heavy Metals (ppm)	
Hg	< 10
Cd+Tl+Hg	< 100
As+Co+Ni+Se+Te+Sb+Cr+Sn+Pb+V	< 2500
pH	4 To 12
Viscosity (cSt) for liquid	<100

Flash Point ( Deg Centigrade) (for liquid)	>60
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2. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
3. The authorisation shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
4. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
5. 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.
6. 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;
7. 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”.
8. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
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. Only the permitted alternate fuels should be used for the co-processing.
12. The industry should follow the guidelines for labeling, transportation, storage and disposal of hazardous waste.
13. The wastes of high calorific value have to be always fed into the high temperature combustion zones of the Kiln system. Such waste containing stable toxic components should be fed to the main burner to ensure complete combustion in the high temperature and long retention time.
14. The industry shall verify the compatibility of the different wastes before blending the waste.
15. The industry shall take all safety measures to prevent accidents while handling the hazardous wastes.
16. The industry shall take all precautionary measures to prevent odour nuisance and spillages while handling the hazardous wastes.
17. The industry shall provide dyke walls for storage tanks / areas to contain spillages.
18. The industry shall submit the emission monitoring reports to all the critical parameters, as per the CPCB guidelines for co-processing of hazardous wastes through NABL accredited laboratory.

**Specific Conditions:**

19. The industry shall enter an agreement with the generator to receive of utilizable waste for co-processing.
20. The industry shall comply with the provisions of HWM Rules, 2016 in terms of interstate transport of Hazardous Waste and manifest document prescribed Under



Rule 18 and 19 of the HWM Rules, 2016.

- 21.The industry shall not store hazardous waste for more than 90 days as per the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.
- 22.The cement plant shall take the hazardous wastes only from the authorized generator through APEMCL.
- 23.Cement industry shall provide adequate covered storage area for the hazardous waste in accordance with hazardous waste Rules and guidelines for storage of hazardous waste. The occupier shall also ensure that there is no leaching of any pollutant.
- 24.The industry shall accept the hazardous waste/ other wastes as a raw material and alternative fuel for co-processing in cement kiln through online manifest system as per Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016.
- 25.The industry shall carryout pre-processing and co-processing of wastes as per the guidelines of CPCB and Standard Operating Procedures (SOPs) specified in the guidelines.
- 26.A log book shall be maintained for the quantity of waste received from generators, storage details & co-processed and same shall be submitted to RO, APPCB on monthly basis.
- 27.The actual quantity of hazardous waste co-processed monthly shall be reported by cement plant and hazardous waste generator to RO, APPCB.
- 28.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.
- 29.The industry shall receipt the hazardous waste through vehicle fitted with authorized GPS tracking system.
- 30.The industry shall accept the waste through 7 copy online manifest system from generators 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.
- 31.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.
- 32.In case of any violations in the conditions stipulated, the permission can be withdrawn at any time.

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 1st of January and 1st 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.

DR. B.MADHUSUDHANA RAO, JCEE(MSRB), O/o JOINT CHIEF ENVIRONMENTAL ENGINEER-4-APPCB

To

M/s Sagar Cements (R) Limited,  
Gudipadu (V), Yadiki (M),  
Ananthapuramu District

Signed by Dr.

B.madhusudhana Rao

Date: 14-12-2020 19:16:03

Reason: Approved



**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.appcb.ap.nic.in

**RED CATEGORY  
CONSENT ORDER**

**Consent Order No: APPCB/KNL/KNL/17731/HO/CFO/2019-**

**12/06/2019**

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 the rules and orders made there under (hereinafter referred to as 'the Acts', 'the Rules') to:

**M/s. Sagar Cements (R) Limited (Expansion)**  
**Gudipadu (V), Yadiki (M), Anantapuram District - 515 408, A.P.**  
**E-mail: venkatreddyk@sagarcements.in; prasannach@sagarcements.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	10 KLD	After treatment in STP, the treated waste water shall be used for plantation and recycle in the process.

(ii) Emissions from chimneys: Nil

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

S. No	Product	As per CFO order dated 24.03.2016	Applied as per application	Total Capacity After Expansion
1	Clinker	0.66 Million TPA	0.09 Million TPA	0.75 Million TPA
2	Cement *	0.95 Million TPA	--	0.95 Million TPA

\* Cement of 0.95 Million TPA is produced using clinker of 0.75 Million TPA & additives.

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 enclosed to this order.

This Order of Consent shall be valid for a period ending with the **30.09.2020**.

Bandla Siva Sankar  
Prasad

Digitally signed by Bandla Siva  
Sankar Prasad  
Date: 2019.06.13 12:49:15 +05'30'

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

To

**M/s. Sagar Cements (R) Limited (Expansion)**

**Gudipadu (V), Yadiki (M), Anantapuram District - 515 408, A.P.**

Copy to:

1. The JCEE, **ZO: Kurnool** for information.
2. The EE, **RO: Anantapuram** 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 shall 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 shall be followed as applicable.
4. The industry shall 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 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 shall 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 shall not let out the premises / lend / sell / transfer their industrial premises without obtaining prior permission of the State Pollution Control Board.
8. 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**

1. All conditions mentioned in Schedule-B of CFO&HWA order dated 24.03.2016, Emission Standards mentioned in Amendment order dated 30.10.2017 and Hazardous waste Disposal Option table mentioned in Amendment order dated 22.05.2018 will remain same.

**Additional Conditions:****Water:**

2. There shall not be any additional water consumption for the proposed activity.

**Air:**

3. The Bag filters shall be designed such that 25% of additional capacity is available as spare to meet the emergency requirements.
4. 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.
5. 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.
6. 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 project.
7. The proponent shall provide and maintain 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.
8. The industry shall provide vehicle mounted mechanical sweeper for regular cleaning of dust on the roads, plant floors and other dust areas in the premises.
9. The industry shall provide fixed automatic water sprinkler systems all along the roads to control the fugitive dust emissions during the vehicular movement.
10. 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.

**Solid Waste:**

11. The industry shall dispose solid waste (Non Hazardous) as follows:

S. No	Name of the Solid Waste	Quantity	Disposal
1.	STP Sludge	2.0 TPA	Shall be utilized as manure.
2.	Boiler Ash	180 TPD	To Brick Manufacturers.
3.	Process (Dust from Bag filters)	5 TPD	Shall be reused in the process.

**General:**

12. The industry shall not store raw materials in open area.
13. The industry shall prepare feasibility study for the co-processing of Hazardous waste in the Kiln.
14. 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.

- 15.The industry shall comply with standards and directions issued by CPCB / MoEF&CC as and when notifications are issued.
- 16.The industry shall submit compliance report on the conditions mentioned in the consent order every six months i.e., on 1<sup>st</sup> of January and July of every year to the Regional Office/ Zonal Office.

**Bandla Siva**

**Sankar Prasad**

Digitally signed by Bandla  
Siva Sankar Prasad  
Date: 2019.06.13 12:49:42  
+05'30'

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

**To**

**M/s. Sagar Cements (R) Limited (Expansion)**

**Gudipadu (V), Yadiki (M), Anantapuram District - 515 408, A.P.**



**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.appcb.ap.nic.in

**RED CATEGORY  
CONSENT ORDER**

**Consent Order No: APPCB/KNL/ATP/17731/HO/CFO/2019-**

**24/07/2019**

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 the rules and orders made there under (hereinafter referred to as 'the Acts', 'the Rules') to:

**M/s. Sagar Cements (R) Limited  
Gudipadu (V), Yadiki (M),  
Anantapuram District - 515 408, A.P.  
E-mail: venkatreddyk@sagarcements.in; prasannach@sagarcements.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: Nil

**(ii) Emissions from chimneys: Nil**

**This consent order is valid to use following additional alternate fuels in the Cement Kiln in addition to Coal (370 TPD) and Pet coke (6666.66 TPM):**

- i. Pharmaceutical industries Waste (Solid/Semi Solid) - 0.0050 Million TPA
- ii. Carbon Black - 0.010 Million TPA
- iii. Spent Carbon - 0.0050 Million TPA
- iv. Municipal Waste - 0.0050 Million TPA
- v. Plastic Waste - 0.0050 Million TPA
- vi. Bio Mass (Rice Husk, Coconut coir, Ground nut Husk etc.) - 0.0050 Million TPA

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 enclosed to this order.

This Order of Consent shall be valid for a period ending with the **30.06.2020**.

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

To

**M/s. Sagar Cements (R) Limited  
Gudipadu (V), Yadiki (M),  
Anantapuram District - 515 408, A.P.**

Copy to:

1. The JCEE, **ZO: Kurnool** for information.
2. The EE, **RO: Anantapuram** 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 shall 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 shall be followed as applicable.
4. The industry shall 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. 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 shall 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 shall not let out the premises /

lend / sell / transfer their industrial premises without obtaining prior permission of the State Pollution Control Board.

8. 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**

1. The issue was placed in the CFO committee meeting held on 17.07.2019 and the committee noted that M/s. Sagar Cements (R) Ltd., Anantapuram District is a Cement Manufacturing Unit. The Board issued CFO&HWA to the industry on 21.05.2015 with a validity upto 31.03.2016 for Electric Power Generation (Captive Power Consumption) - 25 MW. Subsequently, the same was auto renewed on 22.03.2016 for further period upto 31.05.2021. The Board issued CFO&HWA to M/s. BMW Cements Limited on 24.03.2016 with validity upto 20.04.2020 to manufacture Clinker – 0.66 Million TPA and Cement – 0.95 Million TPA. The Board issued amendment to M/s. BMW Cements Limited on 30.10.2017 for change of industry name to M/s. Sagar Cements (R) Limited and incorporation of revised emission standards. The Board issued CFE Amendment to the industry on 04.06.2019 to use additional alternate fuels in the cement kiln i.e. Pharmaceutical industries Waste (Solid/Semi Solid) - 0.0050 MTPA, Carbon Black - 0.010 MTPA, Spent Carbon - 0.0050 MTPA, Municipal Waste - 0.0050 MTPA, Plastic Waste - 0.0050 MTPA and Bio mass (Rice Husk, Coconut coir, Ground nut Husk etc.) - 0.0050 MTPA in addition to the Coal (370 TPD) and Pet coke (6666.66 TPM). Now the industry applied for CFO for usage of alternative fuel in the cement kiln for a period of one year. The committee noted that there is no additional water requirement and waste water generations for the proposed activity other than permitted vide CFO&HWA order dated 24.03.2016. After detailed discussions on the agenda and report of EE, RO: Anantapuram, the committee recommended to issue CFO to the industry for a period upto 30.06.2020 in line with CFE Amendment order dated 04.06.2019 with certain conditions.
2. All conditions mentioned in Schedule-B of CFO&HWA order dated 24.03.2016, Emission Standards mentioned in the Amendment order dated 30.10.2017 and permission to use Pet Coke – 6666.66 Tons/Month as fuel in the cement kiln vide Amendment order dated 22.05.2018 will remain same.

#### **Additional Conditions:**

##### **Water:**

3. There shall not be any additional water consumption for the proposed activity.

##### **Air:**

4. 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.
5. The industry shall provide automatic water sprinkler system all along the roads to minimize the dust emissions.



**General:**

6. The industry has to construct closed shed for the storage, install separate feed conveying system for the feeding of the waste into the precalciner etc.
7. The industry has to cover the raw materials stock piles in the open area with tarpaulin sheet.
8. The industry shall provide closed sheds for storage Coal, Iron ore and Lime Stone and there shall not be any open storage of raw materials in the premises.
9. 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.
10. The industry shall comply with standards and directions issued by CPCB / MoEF&CC as and when notifications are issued.
11. The industry shall submit compliance report on the conditions mentioned in the consent order every six months i.e., on 1<sup>st</sup> of January and July of every year to the Regional Office/ Zonal Office.

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

**To**

**M/s. Sagar Cements (R) Limited  
Gudipadu (V), Yadiki (M),  
Anantapuram District - 515 408, A.P.**

Signature Not Verified

Digitally signed by VIVEK  
YADAV  
Date: 2019.07.24 13:38:59 IST  
Reason: Approved





## ANDHRA PRADESH POLLUTION CONTROL BOARD

D.No.33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre,  
Chalamavari Street, Kasturibaipet, Vijayawada - 520010

**OrderNo:APPCB/KNL/KNL/17731/HO/CFO/2018-**

**Date:22.05.2018**

<b>Sub :</b>	APPCB - CFO - M/s. Sagar Cements (R) Ltd., Gudipadu (V), Yadiki (M), Anantapuram District - Permission to use Pet Coke as fuel in the cement kiln - Amendment to CFO & HWA Order - Issued - Reg.
<b>Ref :</b>	<ol style="list-style-type: none"><li>1. Consent Order No. APPCB/KNL/KNL/17731/HO/CFO/2016 dt. 24.03.2016.</li><li>2. T.O. Amendment Order dt. 21.04.2016 extending the validity of the CFO &amp; HWA order up to 30.09.2020.</li><li>3. T.O. Amendment Order dated 30.10.2017 for change of name of the industry.</li><li>4. T.O. CFE Amendment Order dated.22.03.2018 for usage of Petcoke as an alternative fuel in the Kiln.</li><li>5. CFO application for use of pet coke as fuels at Cement Kiln received on 24.04.2018.</li><li>6. Inspection of the industry by PCB Officials on 01.05.2018.</li><li>7. RO, Kurnool inspection report dt.05.05.2018</li><li>8. GO MS No. 71 dt. 01.11.2017 issued by the EFS &amp; T (SEC.V) Dept., Govt. of AP</li></ol>

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In the reference 1<sup>st</sup> cited the Board had issued combined CFO & HWA order to M/s. BMM Cements Ltd., Gudipadu (V), Yadiki (M), Anantapuram District to produce Clinker -0.66 Million TPA and Cement - 0.95 Million TPA valid upto 20.04.2020 duly stipulating conditions.

In the reference 2<sup>nd</sup> cited, the Board has extended the validity of CFO& HWA for further a period upto 30.09.2020.

In the ref. 3<sup>rd</sup> cited, the Board has issued an amendment to CFO& HWA order dt. 30.10.2017 for change of name of the industry from M/s. BMM Cements Ltd to M/s. Sagar Cements (R) Ltd.

In the ref. 4<sup>th</sup> cited, industry obtained amendment to CFE for usage of Pet Coke as an alternative fuel in the cement kiln.

In the ref. 5<sup>th</sup> cited, industry has applied for CFO for usage of pet coke -6666.66 Tons/Month as an alternative fuel in the Kiln and HWA authorization to increase the waste oil/waste grease quantity from 250 ltrs/annum to 4 KL/annum in the authorization.

In the ref. 4<sup>th</sup> cited, the RO Kurnool submitted report on usage of Pet Coke as fuel in the cement kiln HWA authorization to increase the waste oil/waste grease quantity in the authorization.

In the ref. 5<sup>th</sup> cited, the EFS & T (SEC.V) Dept., Govt. of AP issued GO MS No. 71 dated 01.11.2017 notified the usage of pet coke is an approved fuel in terms of sub-section 3 of section 19 of the Air (Prevention and Control of Pollution) Act, 1981, subject to installation of required air pollution control systems by the industries using pet coke, so that, emission norms prescribed for air pollution control as specified by Andhra Pradesh Pollution Control Board from time to time are adhered to by every such industry and taking adequate pollution control measures as per the conditions of the consent granted.

The Board after careful examination of the industry's request and report of Regional Office, Kurnool, and the GO MS No. 71 dt.01.11.2017 issued by EFS & T (SEC.V) Dept., Govt. of AP, hereby issues amendment to the combined CFO & HWA order dt. 24.03.2016 under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, Section 21/22 of the Air (Prevention & Control of Pollution) Act, 1981 and under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016 & Amendments thereof as following:

The industry is permitted to use Pet Coke - 6666.66 Tons/Month as fuel in the cement kiln.

The table under **HAZARDOUS WASTE WITH DISPOSAL OPTION** in the CFO&HWA order dt.24.03.2016 shall be substituted with the following table:

SL No.	Name of the Hazardous waste	Stream	Quantity of the Hazardous waste	Disposal Option
1.	Waste oil and Grease	5.1 of Schedule -I	4 KL /annum	To authorized re processor/Recyclers.
2.	Hi-chrome grinding media from process	B1 of Schedule-II	2.50 TPA	Shall be disposed to authorized parties / returned to the manufacturers / recyclers.

All other conditions stipulated in Schedules – A, B & C mentioned in combined CFO & HWA order dt. 24.03.2016 (ref.1) and validity period stipulated in the amendment order dt. 21.04.2016 (ref.2) remain same.

**MEMBER SECRETARY**

**To**  
**M/s. Sagar Cements (R) Ltd.,**  
**Gudipadu (V), Yadiki (M),**  
**Anantapuram District – 515 408.**

- Copy to:
- 1. The Joint Chief Environmental Engineer, Zonal Office, Kurnool for information.
  - 2. The Environmental Engineer, R.O, Kurnool for information and necessary action.



# ANDHRA PRADESH POLLUTION CONTROL BOARD

D.No.33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre,  
Chalamavari Street, Kasturibaipet, Vijayawada - 520010

**Consent Amendment Order No : APPCB/KNL/KNL/17731/HO/CFO/2017 Dt.30.10.2017**

**Sub:** APPCB - CFO - BMM Cements Limited, Gudipadu (V), Yadiki (M), Anantapur District - Change of industry name to M/s. Sagar Cements (R) Limited and incorporation of revised standards - Amendment to CFO &HWA Order - Issued - Reg.

**Ref:** 1. T.O. Consent Order No: APPCB/KNL/KNL/17731/HO/CFO/2016 dt.24.03.2016.  
2. T.O. Amendment Order No: APPCB/KNL/KNL/17731/HO/CFO/2016 dt.21.04.2016  
3. Industry's letter dt.19.09.2017.  
4. RO, KNL Lr. No.APCB/KNL/KNL/17731 /HO/CFO/2016-902 dt.09.10.2017.

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The Board in the reference 1<sup>st</sup> cited, issued combined CFO & HWA order to BMM Cements Limited, Gudipadu (V), Yadiki (M), Anantapur District to manufacture Clinker - 0.66 Million TPA & Cement - 0.95 Million TPA with validity period upto 20.04.2020 duly stipulating conditions.

In the reference 2<sup>nd</sup> cited, the Board vide amendment order dt.21.04.2016 has extended the validity period of consent order upto 30.09.2020.

The industry vide reference 3<sup>rd</sup> cited requested to issue an amendment to CFO &HWA order dt.24.03.2016 for change of name from M/s. BMM Cements Limited to M/s. Sagar Cements (R) Limited.

In the reference 4<sup>th</sup> cited, the Regional office, Kurnool submitted a report stating that M/s. BMM Cements Limited, was taken over by M/s. Sagar Cements Ltd., and the name has been changed from M/s. BMM Cements Limited to M/s. Sagar Cements (R) Limited from 28.03.2017. The industry submitted Certificate of incorporation issued by Ministry of Corporate Affairs, Govt. of India for change of name.

The Board after careful examination of the request of the industry and the report of EE, RO, Kurnool hereby issues amendment to combined CFO&HWA Order dt. 24.03.2016 (ref1)and subsequent amendment order dt.21.04.2016( ref.2) under Section 25/26 of the Water(Prevention & Control of Pollution) Act, 1974 under section 21 /22 of the Air (Prevention and Control of Pollution) Act, 1981 and amendments thereof & under Rule 6 of the Hazardous and Other Wastes (Management & Transboundary Movement) Rules 2016 & Amendments thereof as following:

The name of the industry in the CFO & HWA order dt. 24.03.2016 ( ref.1) and amendment order dt. 21.04.2016 (ref.2) issued by the Board shall be read as below.

**M/s. Sagar Cements (R) Limited,  
Gudipadu (V), Yadiki (M), Anantapur District**

The Ministry of Environment, Forests & Climate Change has notified emission standard norms for PM, SO<sub>2</sub> NO<sub>x</sub> vide GSR No.612 (E) dt.25.08.2014 and amended it vide G.S.R. No. 496 ( E) dt.09.05.2016 for cement industries.

In view of the above notifications, the standards stipulated in condition no.4 of Schedule-B of CFO order dt.24.03.2016 is modified as below:

4. The emissions shall not contain constituents in excess of the prescribed limits mentioned below:

Cement plant (without co- processing)	Parameter	Emission Standards
	Particulate Matter( PM)	30 mg/Nm <sup>3</sup>
	SO <sub>2</sub>	100,700 and 1000 when pyritic Sulphur in the limestone is less than 0.25%, 0.25 to 0.5% and more than 0.5% respectively.
	NO <sub>x</sub>	(1) 800 for rotary kiln with In Line Calciner (ILC) technology (2) 1000 for rotary kiln using mixed stream of ILC, Separate Line Calciner (SLC) and suspension pre-heater technology or SLC technology alone or without Calciner.

\* Particulate matter from raw mill, kiln and pre-calciner system put together shall not exceed 0.125 Kg/tonne of clinker.

The industry shall comply with above revised standards as notified by the MoEF & CC, Govt of India in G.S.R. No. 496 ( E) dt.09.05.2016.

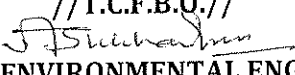
All other conditions stipulated in Schedules – A ,B & C mentioned in combined CFO & HWA order dt.24.03.2016 (ref.1) & validity period stipulated in amendment order dt.21.04.2016(ref.2) remain same.

Sd/-  
MEMBER SECRETARY

To  
M/s. Sagar Cements (R) Ltd.,  
Gudipadu (V), Yadiki (M),  
Anantapur District – 515408.  
Email: [honnursaheb@bmm.in](mailto:honnursaheb@bmm.in)

Copy to :

1. The JCEE, Zonal Office, Kurnool for information and necessary action.
2. The Environmental Engineer, Regional Office, Kurnool for information and necessary action.

//T.C.F.B.O.//  
  
JOINT CHIEF ENVIRONMENTAL ENGINEER(FAC)  
(Unit Head – IV)

*End of month 8/10*  
*f-4 B K*  
*25/4/16*

**ANDHRA PRADESH POLLUTION CONTROL BOARD**



Paryavarana Bhavan, A-III, Industrial Estate,  
Sanathnagar, Hyderabad-500 018  
Phone: 040-23887500, Website : www.appcb.ap.nic.in

**AMENDMENT TO CONSENT & AUTHORISATION ORDER  
BY REGISTERED POST WITH ACKNOWLEDGEMENT DUE**

**Amendment Order No : APPCB/KNL/KNL/17731/HO/CFO/2016-**

**Date: 21.04.2016**

**Sub:-** APPCB - CFO & HWA - M/s. BMM Cements Limited, Gudipadu (V), Yadiki(M), Anantapur District - Amendment to Water & Air Consent and Hazardous Waste Authorisation Order - Issued - Reg.

**Ref:-** 1. T.O. Consent & Authorisation Order No: APPCB/KNL/KNL/17731/HO/CFO/2016, dt.24.03.2016.  
2. Industry's representation dt. 04.04.2016.

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The Board in the reference 1<sup>st</sup> cited, has issued combined CFO & HWA order to M/s. BMM Cements Limited, Gudipadu (V), Yadiki(M), Anantapur District with validity period upto 20<sup>th</sup> day of April, 2020 duly stipulating conditions.

In the reference 2<sup>nd</sup> cited, the industry represented that they have applied for CFO & HWA for a period of five years i.e., upto 30.09.2020 duly paying the consent fee. The Consent order has been issued upto 20.04.2020. The industry requested the Board to issue CFO & HWA with validity upto 30.09.2020.

The Board, after careful examination of the request of the industry hereby issue the following amendment to the combined CFO & HWA order issued vide reference 1<sup>st</sup> cited, under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, Section 21/22 of the Air (Prevention & Control of Pollution) Act, 1981 and under the provisions of Hazardous Wastes (Management, Handling & Transboundary, Movement) Rules 2008 & Amendments thereof.

**"The validity of combined CFO & HWA order issued to the industry in the reference 1<sup>st</sup> cited shall be read as 30.09.2020."**

All other conditions stipulated in Schedule - A,B&C of the combined CFO & HWA order issued by the Board in the ref. 1<sup>st</sup> cited will remain same.

**Sd/-  
MEMBER SECRETARY**

**To  
M/s. BMM Cements Limited,  
Gudipadu (V), Yadiki(M),  
Anantapur District - 515 408.**

**Copy to:**

1. The JCEE, Zonal Office, Kurnool for information and necessary action.
2. The Environmental Engineer, Regional Office, Kurnool for information and necessary action.

//T.C.F.B.O.//

*Kelao*  
*28/4/16*

**Joint Chief Environmental Engineer  
Unit Head - IV**





# ANDHRA PRADESH POLLUTION CONTROL BOARD

Paryavarana Bhavan, A-III, Industrial Estate,  
Sanathnagar, Hyderabad-500 018  
Phone : 040-23887500, Website : [www.appcb.ap.nic.in](http://www.appcb.ap.nic.in)

**BY REGD POST WITH ACK.DUE**

## **RED CATEGORY**

### **CONSENT & AUTHORIZATION ORDER**

**Consent Order No : APPCB/KNL/KNL/17731/HO/CFO/2016-**

**Date: 24.03.2016**

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 5 of the Hazardous Wastes (Management, Handling & Transboundary, Movement) Rules, 2008 & Amendments thereof and the rules and orders made there under (hereinafter referred to as 'the Acts', 'the Rules') to:

**M/s. BMM Cements Limited,  
Gudipadu(V), Yadiki(M),  
Anantapur District-515408.**

(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	160.0 KLD	After treatment in STP, the treated waste water shall be used for plantation and recycle in the process.
2	Service water	6.0 KLD	On land for Gardening

#### **(ii) Emissions from chimneys:**

Chimney No.	Description of Chimney
1	Attached to Raw mill / Kiln of capacity 2000 TPD
2	Attached to Cooler of capacity 2500 TPD
3	Attached to Cement mill of capacity 150 TPH
4	Attached to Coal mill of capacity 23 TPH

#### **(iii) HAZARDOUS WASTE AUTHORISATION (FORM - II) [See Rule 5 (4)]**

M/s. BMM Cements Limited, Gudipadu(V), Yadiki(M), Anantapur District is hereby granted an authorization to operate a facility for collection, reception, storage, treatment, transport and disposal of the following wastes with quantities as below:

#### **• HAZARDOUS WASTES WITH DISPOSAL OPTION:**

S. No	Name of hazardous waste	Stream	Quantity	Disposal Option
1.	Waste oils	5.1 of schedule - I	250 Lts/annum	Authorised recyclers / re-processors.
2.	Hi-chrome grinding media from process	B1 of Schedule-II	2.50 TPA	Shall be disposed to authorized parties / returned to the manufacturers / recyclers

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

S.No	Products	Quantity
1.	Clinker	0.66 Million TPA
2.	Cement	0.95 Million TPA

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 20<sup>th</sup> day of April 2020.

Sd/-  
MEMBER SECRETARY

To  
M/s. BMM Cements Limited,  
Gudipadu(V), Yadiki(M),  
Anantapur District- 515408.

Copy to :

1. The JCEE, Zonal Office, Kurnool for information and necessary action.
2. The JCEE (Cess), APPCB, Hyderabad for information.
3. The JCEE (HWM), Hyderabad for information.
4. The EE, Regional Office, Kurnool for information and necessary action.

//T.C.F.B.O.//

JOINT CHIEF ENVIRONMENTAL ENGINEER  
UH - IV

**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. 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 industry shall file the water cess returns in Form-I as required under section (5) of Water (Prevention and Control of Pollution) Cess Act, 1977 on or before the 5th of every calendar month, showing the quantity of water consumed in the previous month along with water meter readings. The industry shall remit water cess as per the assessment orders as and when issued by Board.



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	Limiting Standards
1 & 2	pH	5.5 - 9.0
	Suspended Solids	200 mg/l
	BOD	100 mg/l
	Oil and Grease	10 mg/l

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

S.No.	Purpose	Quantity
1.	Cooling (Cement Plant) Process	500.0 KLD
2.	Domestic (Plant & colony)	200.0 KLD
Total		700.0 KLD

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

3. The industry shall commission & operate the STP within 2 weeks for treatment of domestic effluents as committed by the industry vide its lr dt. 12.03.2016.

##### **AIR POLLUTION:**

4. The emissions shall not contain constituents in excess of the prescribed limits mentioned below:

Chimney No.	Parameter	*Concentration not to exceed in mg/Nm <sup>3</sup>
1	Particulate Matter	50 (upto 31.05.2016)
		30 (with effect from 01.06.2016)
	SO <sub>2</sub>	100
	NO <sub>2</sub>	800 (with effect from 01.01.2016)
2 to 4	Particulate Matter	50 (upto 31.05.2016)
		30 (with effect from 01.06.2016)

\* Particulate matter from raw mill, kiln and pre-calciner system put together shall not exceed 0.125 Kg/tonne of clinker (with effect from 01.01.2017)

5. The industry shall comply with rules notified by the MoEFCC, GoI in the G.S.R.612 (E) dt.25.08.2014 as stipulated in Environment (Protection) (Fifth Amendment) Rules, 2014 as applicable.
6. The applicant shall comply with ambient air quality standards of PM10 (Particulate Matter size less than 10µm) - 100 µg/ m<sup>3</sup>; PM2.5 (Particulate Matter size less than 2.5 µm) - 60 µg/ m<sup>3</sup>; SO<sub>2</sub> - 80 µg/ m<sup>3</sup>; NO<sub>x</sub> - 80 µg/m<sup>3</sup>, 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)

7. The industry shall ensure regular maintenance and operation of the on-line stack monitoring systems (4 nos.) provided for the stacks attached to Kiln / Raw Mill, Cooler, Coal Mill and Cement Mill and 3 nos. of CAAQM stations with tamper proof mechanism having facilities for online calibration.

**GENERAL:**

8. All the roads in the plant area shall be asphalted / concreted and sprinkling of water shall be followed to control fugitive dust emissions at various transit points. Vehicle mounted mechanical sweeper shall be provided to clean dust on roads, plant floors, and other dusty areas.
9. The industry shall provide automatic water sprinkler system all along the roads to minimize the dust emissions.
10. The industry shall not produce the Clinker / Cement beyond the permitted capacity as mentioned in this order, without obtaining prior CFE & CFO of the Board.
11. The industry shall provide closed sheds for storage Coal, Iron ore and Lime Stone within six months and there shall not be any open storage of raw materials in the premises.
12. The industry shall carryout feasibility study on providing co-incineration facility in the cement kiln for utilization of waste materials including Haz-wastes.
13. The industry shall develop greenbelt in an area of 33% of the total area within one year as committed by the industry vide its lr dt. 12.03.2016.

**SCHEDULE - C**

**[See rule 5(4)]**

**[CONDITIONS OF AUTHORISATION FOR OCCUPIER OR OPERATOR HANDLING HAZARDOUS WASTES]**

1. All the rules and regulations notified by Ministry of Environment and Forests, Government of India under the E(P) Act, 1986 in respect of management, handling, transportation and storage of the Hazardous wastes should be followed.
2. The industry shall not store hazardous waste for more than 90 days as per the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and amendments thereof.
3. 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.
4. The industry shall maintain 6 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.
5. The industry shall maintain proper records for Hazardous 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 22(2) of the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008 and amendments thereof.

**Sd/-  
MEMBER SECRETARY**

**To  
M/s. BMM Cements Limited,  
Gudipadu(V), Yadiki(M),  
Anantapur District - 515408.**

**//T.C.F.B.O.//**

**JOINT CHIEF ENVIRONMENTAL ENGINEER  
UH - IV**



ANDHRA PRADESH POLLUTION CONTROL BOARD  
PARYAVARAN BHAVAN, A-3, INDUSTRIAL ESTATE,  
SANATHNAGAR, HYDERABAD - 500 018.

Phone: 040-23887500  
Fax: 040- 23815631  
Grams : Kalusya Nivarana  
Website : appcb.ap.nic.in

RED CATEGORY  
RENEWAL OF CONSENT & AUTHORISATION ORDER  
BY REGISTERED POST WITH ACKNOWLEDGEMENT DUE

Consent Order No : APPCB/KNL/KNL/17731/HO/CFO/2013-5275

Date: 11.02.2013

(Consent Order for Existing/New or altered discharge of sewage and/or trade effluents/outlet under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and amendments thereof, Operation of the plant under section 21 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and Authorisation / Renewal of Authorisation under Rule 5 of the Hazardous Wastes (Management & Handling) Rules 1989 & Amendment Rules).

CONSENT is hereby granted under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, under section 21 of Air (Prevention & Control of Pollution) Act 1981 and Authorisation under the provisions of HW (M & H) Rules, 2008 (hereinafter referred to as 'the Acts', 'the Rules') and the rules and orders made thereunder to.

M/s. BMM Cements Limited,  
Gudipadu (V), Yadiki (M),  
Anantapur District-515408  
E-mail : honnursaheb@bmm.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	160.0	To STP and treated waste water for plantation and recycling in the process.
2	Service water	6.0	Onland for gardening.

ii) Emissions from chimneys:

Chimney No.	Description of Chimney	Quantity of Emissions in m3/hr. at peak flow
1.	Attached to Raw mill / Kiln of capacity 2000 TPD	--
2.	Attached to Boiler of capacity 110 TPH	--
3.	Attached to Cooler of capacity 2500 TPD	--
4.	Attached to Cement mill of capacity 150 TPH	--
5.	Attached to Coal mill of capacity 23 TPH.	--

HAZARDOUS WASTE AUTHORISATION (FORM - II) [See Rule 5 (4)]

1. Number of Authorisation and date of issue ATP-517731/PCB/HWM/2012 Dt: 11.02.2013.
2. M/s. BMM Cement Limited, Gudipadu (V), Yadiki (M), Anantapur district is hereby granted an authorisation to operate a facility for collection, reception, storage, transport and disposal of the following wastes with quantities as below:



• HAZARDOUS WASTES WITH RECYCLING OPTION:

S. No.	Name of the Hazardous Waste	Stream	Quantity of Hazardous Waste	Disposal Option
1.	Waste oils	5.1 of Schedule-I	250 lt/ annum	Authorized recyclers/ re- processors
3	High Chrome Grinding media	-	2.5 TPA	To authorised agency.

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

S.No	Product	Capacity
1.	Clinker	0.66 Million TPA
2.	Cement	0.95 Million TPA

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 Authorisation shall be valid for a period ending with the 30<sup>th</sup> Day of September, 2015.

Sd/-  
MEMBER SECRETARY

To  
M/s. BMM Cements Limited,  
Gudipadu (V), Yadiki (M),  
Anantapur District.

//T.C.F.B.O//

CHIEF ENVIRONMENTAL ENGINEER (FAC)

SCHEDULE-A

1. The applicant shall 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 for obtaining Consent & HW Authorization of the Board and detailed compliance of CFO conditions.



2. 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 the Water(Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air(Prevention and Control of Pollution) Act, 1981.
3. The industry may explore the possibility of tapping the solar energy for their energy requirements.
4. All other conditions stipulated in the Schedule – A of the earlier combined order of CFO & HWA No.APPCB/KNL/KNL/145/HO/CFO/2012-3464, dated.21-01.2012 remains same. The industry shall ensure consistent compliance of each condition of Schedule - A.

#### SCHEDULE - B

##### Special Conditions:

1. The industry shall take steps to reduce water consumption to the extent possible and consumption shall NOT exceed the quantities prescribed below:

S.No	Purpose	Quantity in KLD
1	Cooling (cement Plant ) process	500.0
2	Domestic	200.0
3	Service water	10.0
Total :		710.0

2. The industry shall file the water Cess returns in Form-I as required under section (5) of Water (Prevention and Control of Pollution) Cess Act, 1977 on or before the 5<sup>th</sup> of every calendar month, showing the quantity of water consumed in the previous month along with water meter readings. The industry shall remit water Cess as per the assessment orders.
3. The emissions shall not contain constituents in excess of the prescribed limits mentioned below.

Chimney No.	Parameter	Emission Standards
1 to 5	Particulate Matter	50 mg/Nm <sup>3</sup>

4. The industry shall comply with ambient air quality standards of PM<sub>10</sub> (Particulate Matter size less than 10µm) - 100 µg/ m<sup>3</sup>; PM<sub>2.5</sub> (Particulate Matter size less than 2.5 µm) - 60 µg/ m<sup>3</sup>; SO<sub>2</sub> - 80 µg/ m<sup>3</sup>; NO<sub>x</sub> - 80 µg/m<sup>3</sup>, 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).

5. The industry shall not produce beyond the permitted capacity as mentioned in this order, without obtaining prior CFE & CFO of the Board.
6. The industry shall take up plantation along the periphery of the plant and the plantation shall be completed at the earliest. The industry shall submit bank guarantee as per the norms evolved by the Board for the development of greenbelt and the Bank Guarantee to be submitted at RO, Kurnool.
7. The industry shall also submit Bank Guarantee as per norms of the Board for commitment towards installation and commissioning of Continuous AAQ Monitoring station and also Sewage Treatment Plant and the Bank Guarantee to be submitted at RO, Kurnool.



8. The industry shall earmark an amount of Rs 74.45 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.
9. The industry shall immediately connect online monitoring stations of their stack attached to kilns and AAQ (three) stations with the Board's website and report the compliance to RO, Kurnool.
10. All the roads in the plant area shall be asphalted /concreted and sprinkling of water shall be followed to control fugitive dust emissions at various transit points. Vehicle mounted mechanical sweeper shall be provided to clean dust on roads, plant floors, and other dusty areas.
11. The industry shall restrict the production capacity as per CFE & CFO of the Board. The production quantity shall be calculated on daily basis only.
12. The industry shall submit the performance evaluation report of Air Pollution Control equipment to RO, Kurnool.
13. The industry shall provide silos and closed sheds for storage of raw materials and avoid open storage of raw materials.
14. The industry shall provide automatic water sprinkler system all along the roads to minimize the dust emissions.
15. The proponent shall provide interlocking system for air pollution control equipments provided with raw materials feeding system so that the feeding of raw materials would be stopped in case the air pollution control equipments fail.
16. The industry shall ensure implementation of requisite measures to prevent air pollution in the surrounding area.
17. The industry shall provide adequate dust collection and extraction system to control fugitive emissions at various transfer points & the dust collected from pollution control equipments shall be recycled back into the process. The compliance status shall be reported to RO, Kurnool.
- ✓ 18. The industry shall maintain and submit the records of daily operating hours of kiln, ESP and reasons for ESP tripping to RO, Kurnool on monthly basis.
19. The industry shall carry out performance evaluation of air pollution control equipments provided to the kilns & at other transfer points and shall submit the details to the R.O., Kurnool along with monitoring reports.
- ✓ 20. The industry shall maintain the records on clinker production, utilized for cement production and stocks maintained at on-site and shall submit consolidated reports to the Regional Office of the Board.
21. The industry shall establish appropriate RWH structure on the available up-stream portion of the plant site.
22. The industry shall provide separate water meters with necessary pipeline for assessing the quantity of water used for each of the purposes mentioned below.
  - a. Industrial cooling, boiler feed.
  - b. Domestic purposes.
  - c. Processing, whereby water gets polluted and pollutants are easily biodegradable.
  - d. Processing, whereby water gets polluted and pollutants are not easily biodegradable.
23. The industry shall provide co-incineration facility to the kiln for utilization of waste materials including hazardous wastes.
24. The industry shall establish appropriate RWH structure on the available up-stream portion of the plant site.



25. The industry shall comply with directions issued by the Board from time to time.
26. The industry shall comply with the conditions stipulated in the CFE order dated.09.08.2010.
27. The applicant shall submit Environment statement in Form V before 30<sup>th</sup> September every year as per Rule No.14 of E(P) Rules, 1986 & amendments thereof.
28. *The conditions are without prejudice to the rights and contentions of this Board in any court of law.*

**SCHEDULE - C**

**[ see rule 5(4)]**


**[ CONDITIONS OF AUTHORISATION FOR OCCUPIER OR OPERATOR HANDLING HAZARDOUS WASTES ]**

1. The industry shall give top priority for waste minimization and cleaner production practices.
2. The industry shall not store hazardous waste for more than 90 days as per the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and amendments thereof.
3. The industry shall store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal.
4. The industry shall not dispose Waste oils to the traders and the same shall be disposed to the authorized Reprocessors/ Recyclers.
5. The industry shall dispose Used Lead Acid Batteries to the manufacturers / dealers on buyback basis.
6. The industry shall explore for co processing of highly incinerable hazardous waste in rotary kilns.
7. The industry shall dispose hi-chrome grinding media to authorized agencies only.
8. The industry shall take necessary practical steps for prevention of oil spillages and carry over of oil from the premises.
9. The industry shall maintain 6 copy manifest system for transportation of waste generated and a copy shall be submitted to Board Office and concerned Regional Office.
10. The industry shall maintain good house keeping & maintain proper records for Hazardous Wastes stated in Authorisation.
11. The industry shall maintain proper records for Hazardous 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 22(2) of the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008 and amendments thereof.
12. The industry shall dispose the e-waste to authorised recyclers / re-processors only.
13. The industry shall submit the condition wise compliance report of the conditions stipulated in Schedule B & C of this Order on half yearly basis to Board Office, Hyderabad and concerned Regional Office.

Sd/-  
MEMBER SECRETARY

To  
M/s. BMM Cements Limited,  
Gudipadu (V), Yadiki (M),  
Anantapur District.

//T.C.F.B.O//

  
CHIEF ENVIRONMENTAL ENGINEER (FAC)



CONSENT & AUTHORISATION ORDER  
BY REGISTERED POST WITH ACKNOWLEDGEMENT DUE

Consent Order No : APPCB/KNL/KNL/145/HO/CFO/2012-

Date: 21.01.2012

(Consent Order for Existing/New or altered discharge of sewage and/or trade effluents/outlet under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and amendments thereof, Operation of the plant under section 21 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and Authorisation / Renewal of Authorisation under Rule 5 of the Hazardous Wastes (Management & Handling) Rules 1989 & Amendment Rules).

CONSENT is hereby granted under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, under section 21 of Air (Prevention & Control of Pollution) Act 1981 and Authorisation under the provisions of HW (M & H) Rules (hereinafter referred to as 'the Acts', 'the Rules') and the rules and orders made thereunder to.

M/s. BMM Cements Limited,  
Gudipadu (V), Yadiki (M),  
Anantapur District.

(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	Point of Disposal
1	Domestic	160.0 KLD	Recycled into process / green belt development
2	Service water	6.0 KLD	Gardening

ii) Emissions from chimneys:

Chimney No.	Description of Chimney	Quantity of Emissions in m3/hr. at peak flow
1.	Attached to Raw mill / Kiln of capacity 2000 TPD	--
2.	Attached to Boiler of capacity 110 TPH.	--
3.	Attached to Cooler of capacity 2500 TPD	--
4.	Attached to Cement mill of capacity 150 TPH	--
5.	Attached to Coal mill of capacity 23 TPH.	--

HAZARDOUS WASTE AUTHORISATION (FORM – II) [See Rule 5 (4)]

- Number of Authorisation and date of issue ATP - 57/PCB/HWM/2012 Dt: 21.01.2012.
- M/s. BMM Cement Limited, Gudipadu (V), Yadiki (M), Anantapur district is hereby granted an authorisation to operate a facility for collection, reception, storage, transport and disposal of the following wastes with quantities as below:

• HAZARDOUS WASTES WITH RECYCLING OPTION:

S. No.	Name of the Hazardous Waste	Stream	Quantity of Hazardous Waste	Disposal Option
1.	Waste oils	5.1 of Schedule-I	250 lt/ annum	Authorized recyclers/ re-processors



This consent order is valid for manufacture the following products along with quantities only.

S.No	Product	Capacity
1.	Clinker	0.66 Million TPA
2.	Cement	0.95 Million TPA

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 Authorisation should be valid for a period ending with the **30<sup>th</sup> Day of September, 2012.**

Sd/-  
MEMBER SECRETARY

To  
M/s. BMM Cements Limited,  
Gudipadu (V), Yadiki (M),  
Anantapur District.

Copy to the Commissioner of Industries, **Chirag Ali Lane**, Abids, Hyderabad for information.

Copy to the JCEE, Zonal Office **Kurnool** for information and necessary action.

Copy to JCEE (Cess), APPCB, **Hyderabad** for information.

Copy to SEE (HWM), APPCB, **Hyderabad** for information.

Copy to the Environmental Engineer, **Regional Office, Kurnool** for information and necessary action.

// T.C.F.B.O //

JOINT CHIEF ENVIRONMENTAL ENGINEER (CFO)

**SCHEDULE - A**

1. The applicant should make applications for renewal of Consent (under Water and Air Acts) and Authorisation under HWM Rules **at least 60 days before the** date of expiry of this order, along with prescribed fee under Water and Air Acts for obtaining Consent & HW Authorisation of the Board.
2. The facility 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 etc.
3. a) All the fugitive emissions should be controlled with proper measures.  
b) The applicant should also install the equipment such as wind speed recorder, wind direction recorder.
4. The applicant should not change or alter either the quality or the quantity or the rate of the discharge or the route of discharge and should not change or alter either the prescribed quality or the rate of emission without the previous written permission of the Board.
5. The applicant should, not later than 30 days from the date of issue of this consent order, certify in writing to the Board that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities installed by the applicant, to comply with the terms and conditions of this consent. In absence of alternative electric power source sufficient to operate all facilities installed by the applicant, to comply with the terms and conditions of this consent, production should be stopped.
6. Any up-set condition in any plant/plants of the facility, which result in, increased effluent discharge and/ or violation of standards stipulated in this order or the emission of any Air Pollutant into the environment in excess of the standards laid down by the Board, occurs or is apprehended to occur due to accident, or other unforeseen act or event, the person-in-charge of the premises, from where such discharge / emission occurs or is apprehended to occur should forthwith intimate the fact of such occurrence or the apprehension of such occurrence to this Board, by fax / email under intimation to the Collector and District Magistrate.
7. In case of such episodal discharges / emissions mentioned in item 6 above, the facility should take immediate action to bring down the discharge / emission below the limits prescribed in this order.
8. A good house keeping should be maintained both within the factory and in the premises. All hoods, pipes, valves, sewers and drains should be leak proof. Floor washings should

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be admitted into the effluent collection system only and should not be allowed to find their way into storm drains or open areas.

9. a) The facility should carry out analysis of waste water discharges or emissions through chimneys, for the parameters mentioned in Schedule – B of this order at regular intervals.  
b) The facility should maintain following records to accessible to the Board, whenever required.
  1. Analysis reports of waste water/ emissions.
  2. Log book for operation of pollution control systems.
  3. Inspection book
10. The applicant should set up THREE Ambient Air Quality Monitoring Stations for continuous recording of relevant critical parameters mentioned in Schedule - B as per the CPCB guidelines and submit monthly reports.
11. Separate power connection with energy meter should be provided for the Pollution Control Equipments and record of power consumption and chemicals consumption for the operation of pollution control equipment should be maintained separately.
12. The applicant should comply with the directives/orders issued by the Board in this order and at all subsequent times without any negligence on his part. The applicant should be liable for such legal action against him as per provisions of the Law/Act in case if non-compliance of any order/directive issued at any time and/or violation of the terms and conditions of this consent order.
13. The applicant should furnish to the visiting officer and / or the Board any information regarding the construction, installation or operation of the effluent treatment system / air pollution control equipment / secured storage area of Hazardous Waste and such other particulars as may be pertinent for preventing and controlling pollution.
14. The facility is liable to pay compensation for any environmental damage caused by it, as fixed by the Collector and District Magistrate as Civil liability.
15. All the rules & regulations notified by Ministry of Environment and Forests, Government of India in respect of management, handling, transportation and storage of hazardous chemicals and wastes should be followed.
16. All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 should be followed.
17. The occupier should educate the workers and nearby public of possible accidents and remedial measures.
18. For any accident or spillage of hazardous wastes causing damage to the Environment, the occupier or the transporter as the case should be held responsible.
19. In case of closure of facility, the un-used/not consumed raw materials falling under the category of Hazardous Chemicals and mentioned in Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Amendment Rules, 2003 should be removed and sold to other units within 90 days from the date of closure to prevent any possibility of occurrence of an accident. In case the above hazardous chemicals have lost their properties originally acquired, then they should be treated, as Hazardous Waste and they should be disposed off only to the agencies authorized by APPCB in a safe manner.
20. The occupier should prepare/update Emergency preparedness plan for safe handling of hazardous waste from time to time and submit the same to APPCB. Emergency preparedness plan must be implemented immediately whenever there is fire, explosion or release of hazardous waste or hazardous waste constituents, which could endanger to human health or environment.
21. Packaging, labeling and transportation of Hazardous Wastes should be in accordance with the provisions of the rules issued by the Central Govt. under the Motor Vehicles Act, 1988 and other guidelines issued from time to time. The packaging and labeling should be based on the composition and hazardous constituent of the waste, however all Hazardous Waste containers should be provided with a general label.
22. 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 (as given in the guidelines for management and handling of hazardous wastes) duly filled by the Hazardous Waste generator.
23. No Hazardous Wastes should be mixed with any other wastes or should be discharged to a common, other internal, external sewerage or other drainage system without prior approval of APPCB.
24. If HDPE bags are used for storing Hazardous Wastes, it should be ensured that they are perfectly sealed mechanically or double hot sealed. If MS/HDPE bags or drums are used for storing Hazardous Wastes, these drums / bags should be ensured that they are perfectly sealed.
25. The person authorised should not rent, lend, sell, transfer their industrial premises without obtaining prior permission of the State Pollution Control Board.
26. Any unauthorised change in personnel, equipment as working condition as mentioned in the application by the person authorized should constitute a breach of his authorisation.
27. The facility should comply with the provisions of Batteries (Management & Handling) Rules, 2001.

28. The facility should put up two sign boards (6x4 ft. each) at publicly visible places at the main gate. The first sign board should provide information on specific conditions of CFO and Hazardous Waste Authorisation. The second sign board should display online data on quantity and nature of hazardous chemicals being used in the plant, as well as water, air emissions and solid waste generated within the factory premises.
29. The applicant should exhibit the Consent & HW Authorisation order of the Board in the factory premises at a prominent place for the information of the inspecting officers of the different departments.
30. Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves the right and powers under Section 27(2) of the Water (Prevention & Control of Pollution) Act, 1974 and its amendments thereof **and** under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and its amendments thereof to review 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.
31. The authorization issued under Hazardous Waste (Management and Handling) Rules, 1989 and its amendments thereof, should comply with the provision of the Environment (Protection) Act, 1986.

### **SCHEDULE - B**

#### **Special Conditions:**

1. The industry should take steps to reduce water consumption to the extent possible and consumption should NOT exceed the quantities prescribed below:

S.No	Purpose	Quantity in KLD
1	Cooling (cement Plant ) process	500
2	Domestic	200
3	Service water	10
<b>Total :</b>		<b>710</b>

2. The industry should file the water Cess returns in Form-I as required under section (5) of Water (Prevention and Control of Pollution) Cess Act, 1977 on or before the 5<sup>th</sup> of every calendar month, showing the quantity of water consumed in the previous month along with water meter readings. The industry should remit water Cess as per the assessment orders.
3. The emissions should not contain constituents in excess of the prescribed limits mentioned below.

Chimney No.	Parameter	Emission Standards
1 to 5	Particulate Matter	50 mg/Nm <sup>3</sup>

4. The industry should comply with ambient air quality standards of PM<sub>10</sub> (Particulate Matter size less than 10µm) - 100 µg/ m<sup>3</sup>; PM<sub>2.5</sub> (Particulate Matter size less than 2.5 µm) - 60 µg/ m<sup>3</sup>; SO<sub>2</sub> - 80 µg/ m<sup>3</sup>; NO<sub>x</sub> - 80 µg/m<sup>3</sup>, 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).

5. The industry should not produce beyond the permitted capacity as mentioned in this order, without obtaining prior CFE & CFO of the Board.
6. **The industry should connect online monitoring stations of their stack attached to kilns and AAQ (three) stations with the Board's website within 15 days and confirm.**
7. **The industry should lay roads within the factory premises within six months.**
8. **The industry should complete the erection of STP and commission within two months and also has to develop green belt in the surrounding area.**
9. The industry should restrict the production capacity as per CFE & CFO of the Board. The production quantity should be calculated on daily basis only.
10. The industry should submit the performance evaluation report of Air Pollution Control equipment to RO, Kurnool.
11. The proponent should provide interlocking system for air pollution control equipments provided with raw materials feeding system so that the feeding of raw materials would be stopped incase the air pollution control equipments fails.



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12. The industry should ensure implementation of requisite measures to prevent air pollution in the surrounding area.
  13. All the roads in the plant area should be asphalted /concreted and water should be sprayed to reduce fugitive dust emissions.
  14. The industry should provide adequate dust collection and extraction system to control fugitive emissions at various transfer points & the dust collected from pollution control equipments should be recycled back into the process. The compliance status should be reported to RO, Kurnool.
  15. The industry should maintain and submit the records of daily operating hours of kiln, ESP and reasons for ESP tripping to RO, Kurnool on monthly basis.
  16. The industry should carry out performance evaluation of air pollution control equipments provided to the kilns & at other transfer points and should submit the details to the R.O., Kurnool along with monitoring reports.
  17. The Cement concrete roads in the plant area should be laid to prevent dust emissions. The compliance report should be submitted to the Regional office, Kurnool.
  18. The industry should maintain the records on clinker production, utilized for cement production and stocks maintained at on-site and should submit consolidated reports to the Regional Office of the Board.
  19. Thick green belt should be developed & maintained by the industry with tall growing trees in the vacant spaces of the unit.
  20. The industry should establish appropriate RWH structure on the available up-stream portion of the plant site.
  21. The industry should provide separate water meters with necessary pipeline for assessing the quantity of water used for each of the purposes mentioned below.
    - a. Industrial cooling, boiler feed.
    - b. Domestic purposes.
    - c. Processing, whereby water gets polluted and pollutants are easily biodegradable.
    - d. Processing, whereby water gets polluted and pollutants are not easily biodegradable.
  22. The industry should provide co-incineration facility to the kiln for utilization of waste materials including hazardous wastes.
  23. The industry should comply with the conditions stipulated in the CFE order dated.09.08.2010.
  24. The applicant should submit Environment statement in Form V before 30<sup>th</sup> September every year as per Rule No.14 of E(P) Rules, 1986 & amendments thereof.

#### **SCHEDULE - C**

**[ see rule 5(4)]**

#### **[ CONDITIONS OF AUTHORISATION FOR OCCUPIER OR OPERATOR HANDLING HAZARDOUS WASTES ]**

1. The industry should give top priority for waste minimization and cleaner production practices.
2. The industry should not store hazardous waste for more than 90 days as per the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and amendments thereof.
3. The industry should store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal.
4. The industry should not dispose Waste oils to the traders and the same should be disposed to the authorized Reprocessors/ Recyclers.
5. The industry should dispose Used Lead Acid Batteries to the manufacturers / dealers on buyback basis.
6. **The industry should explore for co processing of highly incinerable hazardous waste in rotary kilns.**
7. **The industry should dispose hi-chrome grinding media to authorized agencies only.**

8. The industry should take necessary practical steps for prevention of oil spillages and carry over of oil from the premises.
9. The industry should maintain 6 copy manifest system for transportation of waste generated and a copy should be submitted to Board Office and concerned Regional Office.
10. The industry should maintain good house keeping & maintain proper records for Hazardous Wastes stated in Authorisation.
11. The industry should maintain proper records for Hazardous 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 22(2) of the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008 and amendments thereof.
12. The industry should dispose the e-waste to authorised recyclers / re-processors only.
13. The industry should submit the condition wise compliance report of the conditions stipulated in Schedule B & C of this Order on half yearly basis to Board Office, Hyderabad and concerned Regional Office.

**Sd/-  
MEMBER SECRETARY**

**To**

**M/s. BMM Cements Limited,  
Gudipadu (V), Yadiki (M),  
Anantapur District.**

// T.C.F.B.O//



**JOINT CHIEF ENVIRONMENTAL ENGINEER (CFO)**