



ANDHRA PRADESH POLLUTION CONTROL BOARD

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

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

Consent Order No: APPCB/VJA/VJA/226/HO/CFO&HWA/2018- Date: 05.07.2018

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

**M/s. The KCP Limited (Cement Unit: II - Expansion),
Rama Krishnapuram, Muktyala (V),
Jaggaihpeta (M), Krishna District – 521 457, A.P.
E-mail: gvk@kcp.co.in/rkpuram@kcp.co.in**

(Hereinafter referred to as 'the Applicant') authorizing to operate the industrial plant to discharge the effluents from the outlets and the quantity of emissions per hour from the chimneys as detailed below:

(i) Outlets for discharge of effluents:

Outlet No.	Outlet Description	Max Daily Discharge	Point of Disposal
1.	Domestic effluents	80 KLD	After treatment in STP, on land for Plantation within the premises

ii) Emissions from chimneys:

Chimney No.	Description of Chimney	Quantity of Emissions at peak flow (m ³ /hr)
1.	Lime Stone Crusher	----
2.	Raw Mill/Kiln (Pre heater)	7,12,200
3.	Coal Mill	1,53,130
4.	Cement mill	---
5.	Cooler	5,10,000
Other Ventilation Systems		
6.	Lime Stone Weigh feeder	-----
7.	Raw material Storage Silos	-----
8.	Raw mill blending silo	-----
9.	Coal hoppers	-----
10.	Clinker stock pile	-----
11.	Clinker transport to cement mill	-----

12.	Clinker Transport discharge end	-----
13.	Clinker hopper at cement mill section	-----
14.	Cement Silo _I	-----
15.	Cement Silo –II	-----
16.	Packing machine – I	-----
17.	Packing machine – II	-----

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

M/s. The KCP Limited, (Cement Unit - II) 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:**

S. No	Name of Hazardous Waste	Stream	Quantity	Method of disposal
1.	Waste oil from Machinery	5.1 of Schedule – I	12.0 KLPA	Authorised reprocessors/ recyclers

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

S. No	Product	Quantity
1.	Clinker	1.51 MTPA
2.	Ordinary Portland Cement	1.66 MTPA*
3.	Portland Pozzolana Cement	
* Cement production is inclusive of 1.51 MTPA of clinker production		

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 **31st May, 2023.**

CHAIRMAN

To

**M/s. The KCP Limited (Cement Unit: II - Expansion),
Rama Krishnapuram, Muktyala (V),
Jaggiahpet (M), Krishna District – 521 457, A.P.**

Copy to:

1. The JCEE, ZO: **Vijayawada** for information and necessary action.
2. The JCEE (UH: II), APPCB, **Vijayawada** for information.
3. The EE, RO: **Vijayawada** for information and necessary action.

SCHEDULE-A

1. Any up-set condition in any industrial plant / activity of the industry, which result in, increased effluent / emission discharge and/ or violation of standards stipulated in this order shall be informed to this Board, under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge / emission below the limits.
2. The industry should carryout analysis of waste water discharges or emissions through chimneys for the parameters mentioned in this order on quarterly basis and submit to the Board.
3. All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 should be followed as applicable.
4. The industry should put up two sign boards (6x4 ft. each) at publicly visible places at the main gate indicating the products, effluent discharge standards, air emission standards, hazardous waste quantities and validity of CFO and exhibit the CFO order at a prominent place in the factory premises.
5. 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	Parameter	Concentration
1.	pH	5.5 - 9.0
	TSS	100.0 mg/l
	Oil & Grease	10 mg/l
	TDS	2100 mg/l
	BOD	100.0 mg/l
	COD	250 mg/l

2. The source of water being bore wells/mine pit and Rain Water Harvesting Pond. The following is the permitted water consumption:

S. No	Purpose	Quantity (KLD)
1.	Process	941
		260 (recycled)
2.	Cooling	140
3.	Domestic (Plant, Township & Canteen)	100
	Total	1441 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 maintain and operate the Sewage Treatment Plant (STP) for treatment of domestic effluents.
4. The effluents shall be treated to the on land for irrigation standards, stipulated under Environment (Protection) Rules, 1986, notified and Published by Ministry of Environment and Forests, Government of India as specified in Schedule VI vide G.S.R.422 (E), dt.19.05.1993 and its amendments thereof, and additional standards / conditions stipulated by APPCB.

Air Pollution:

5. The Industry shall comply with standards notified by the MoEFCC, GOI in the G.S.R.612 (E) dt. 25.08.2014 and G.S.R. 496 (E) dt. 09.05.2016 as stipulated in Environment (Protection) Fifth Amendment Rules, 2014 and Fourth Amendment Rules, 2016 respectively as applicable.

Cement plant without co-processing	Parameter	*Emission Standards
	Particulate Matter	30 mg/Nm ³
	SO ₂	100 mg/Nm ³ for pyritic sulphur in limestone <0.25% 700 mg/Nm ³ for pyritic sulphur in limestone 0.25 – 0.5% 1000 mg/Nm ³ for pyritic sulphur in limestone >0.5%
	NO _x	600 mg/Nm ³

*The timeline for implementation of emission standards for all the parameters i.e. Sulphur Dioxide (SO₂), Oxides of Nitrogen (NO_x) and Particulate Matter (PM), with respect to Rotary Kiln without co-processing shall be upto the 31st March, 2017.

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)

6. The industry shall comply with ambient air quality standards of PM10 (Particulate Matter size less than 10 μ m) - 100 μ g/ m³; PM2.5 (Particulate Matter size less than 2.5 μ m) - 60 μ g/ m³; SO₂ - 80 μ g/ m³; NO_x - 80 μ g/m³, outside the factory premises at the periphery of the industry.

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

Noise Levels: Day time (6 AM to 10 PM) - 75 dB (A)
Night time (10 PM to 6 AM) - 70 dB (A)

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 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.
8. The industry shall furnish details of fly ash brought from the nearby Coal based Thermal Plants and quantity of fly ash consumed per each ton of product, inventory of fly ash at onsite along with details of measures implemented to mitigate fugitive emissions at various transfers to RO: Vijayawada for every three months.
9. The industry shall maintain interlocking facility between APC equipment and raw material feeding system to regulate the feeding of raw material into the Kiln, so that feeding of raw materials would stop automatically in case the air pollution control equipment fails. The industry should regularly calibrate the performance of interlocking system & furnish report to the Board.
10. All the bag filter dust, raw meal dust, coal dust, clinker dust and cement dust from pollution control devices shall be 100% recycled and reused in the Oprocess and used for cement manufacturing. Solid waste from sewage treatment plant (STP) shall be used as manure. No solid waste shall be disposed off from the cement plant. Overburden from mines shall be used for Afforestation purposes in the plant and mine area. Spent oil, grease and grinding media shall be disposed to licensed vendors.
11. The industry shall upgrade the closed storage facility in respect of fly ash and maintain the good house keeping.
12. The industry shall maintain and operate 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.
13. The industry shall maintain the water sprinkling upto crusher hopper located in the plant from main gate.
14. The industry shall maintain concrete roads in the plant to avoid the fugitive dust emissions. Vacuum / pneumatic dust collection system shall be used for cleaning the internal roads.
15. Bio Indicator Plants should be planted and maintained along the boundary of the industry & should furnish compliance status regularly to the Board.
16. The industry shall submit detail of Kiln ESP tripping's to the Regional Office of the Board for every three months.

General:

17. The industry shall maintain flow meters preferably Electro Magnetic flow meters with totalisers for water and effluent quantity measurements for different streams of effluents and different categories of water usage stipulated in this order.
18. The industry shall maintain the following records and the same shall be made available to the inspecting officers of the Board:
 - a. Daily production details (ER-1 Central Excise Returns).
 - b. Quantity of Effluents generated, treated, and disposed.
 - c. Log Books for pollution control systems.
 - d. Characteristics of ambient air quality, effluents and emissions.
 - e. Hazardous/non hazardous solid waste generated and disposed.
 - f. Inspection book.
 - g. Manifest copies of hazardous waste.
19. The industry shall carry out the analysis of the trace metals like mercury, chromium, lead, arsenic, uranium, etc in the coal and the analysis report shall be regularly submitted to the concerned Regional Office., APPCB.
20. The industry shall develop green belt in all the vacant places. In future, excess green belt over and above 33 % of total area can be utilized for industrial activity as per requirement of industry.
21. Green belt of width 20m shall be developed on the southern side of the plant.
22. The industry install online monitoring systems and connect monitoring system to APPCB/CPCB websites as per CPCB directions dated 05.02.2014 & 02.03.2015 and guidelines issued regarding online monitoring systems from time to time.
23. The industry shall comply with standards and directions issued by CPCB / MoEF & CC as and when notifications are issued.
24. The industry shall submit compliance report on the conditions mentioned in the consent order every six months to the Regional Office/ Zonal Office.

SCHEDULE – C

[See rule 6 (2)]

**[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 7 copy manifest system for transportation of waste generated and a copy shall be submitted to concerned Regional Office of APPCB. The driver who transports Hazardous Waste should be well acquainted about the procedure to be followed

in case of an emergency during transit. The transporter should carry a Transport Emergency (TREM) Card.

5. 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.

CHAIRMAN

To

**M/s. The KCP Limited (Cement Unit: II - Expansion),
Rama Krishnapuram, Muktyala (V),
Jaggaihpeta (M), Krishna District – 521 457, A.P.**