



ANDHRA PRADESH POLLUTION CONTROL BOARD

Paryavarana Bhavan, A-III, Industrial Estate,
Sanathnagar, Hyderabad-500 018

Phone : 040-23887500, Website : www.appcb.ap.nic.in

Order No. APPCB/HO/UH-IV/CFO: VJA/Auto Renewal-2/2017

Date: 09.02.2017

AUTO RENEWAL OF CONSENT ORDER AND AUTHORISATION

In response to your application dated 28.01.2017 for Auto Renewal of Consent order and Authorisation, the Board is hereby extending validity period of Consent order and Authorisation given under sections 25/26 of the Water (Prevention and Control of Pollution) Act, 1974 and 21 of the Air (Prevention and Control of Pollution) Act, 1981, and Authorisation under Rule 6 of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 issued vide APPCB consent order No. APPCB/VJA/GNT/232/HO/CFO/2014-688 dated 04.12.2014 valid upto 31.03.2017. for further period of 5 (FIVE) years i.e., upto 31.03.2022.

All the conditions mentioned in Scheduled A, B & C of the Consent order and Authorisation issued by the Board vide order dated 04.12.2014 will remain same. The industry shall also comply with the following conditions:

1. The industry shall comply with the Standards for Cement Plant without co-processing as mentioned in the Notifications G.S.R. 612(E) dated 25.08.2014, G.S.R. 496(E) dated 09.05.2016 as applicable.
2. The industry shall install and maintain 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.
3. The industry shall comply with standards and directions issued by CPCB / MoEF&CC as and when notifications are issued.
4. The industry shall submit compliance report on the conditions mentioned in the consent order every six months i.e., on 1st of January & July of every year to the Regional Office/ Zonal Office.

MEMBER SECRETARY
For A.P. POLLUTION CONTROL BOARD

Dated: 09.02.2017

To

The Occupier,
M/s. The KCP Limited (Cement Plant),
Sy. No 1040, 1107, 1108/A,B,C,
Macherla (V&M), Guntur District - 522 426, AP.
Email: it.macherla@kcp.co.in / cement.macherla@kcp.co.in



**BY REG. POST WITH ACK. DUE
 CONSENT & AUTHORISATION ORDER**

Consent Order No : APPCB/VJA/GNT/232/HO/CFO/2014- 688

Date:04.12.2014

(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 & Transboundary, Movement) Rules 2008 & Amendments thereof.

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 (MH & TM) Rules (hereinafter referred to as 'the Acts', 'the Rules') and the rules and orders made thereunder to

**M/s. The KCP Limited
 (Cement Plant),
 Sy. No. 1040, 1107, 1108/A,B,C,
 Macherla, Guntur District - 522 426
 e-mail: it.macherla@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) Out lets for discharge of effluents:

| Outlet No. | Outlet Description | Max Daily Discharge KLD | Point of Disposal |
|------------|-------------------------|-------------------------|-------------------------|
| 1. | Cooling Tower Blow down | 50.0 | Recycling |
| 2. | Boiler Blowdown | 12.0 | Recycling |
| 3. | Domestic Effluents | 148.0 | On land for plantation. |

ii) Emissions from chimneys:

| Chimney No. | Description of Chimney |
|-------------|--|
| 1. | Attached to Raw Mill & Kiln |
| 2. | Attached to Kiln Cooler Exhaust |
| 3. | Attached to Coal Mill |
| 4. | Attached to Cement Mill - 1 |
| 5. | Attached to Cement Mill - 2 |
| 6. | Attached to Cement Mill - 3 |
| 7. | New Cement Mill - 115 TPH |
| 8. | Attached to Rope way unloading point |
| 9. | Attached to Coal crusher |
| 10. | Attached to clinker storage silo |
| 11. | Attached to raw meal blending and storage silo |
| 12. | Attached to Cement silo - 3 nos. |
| 13. | Attached to packing section (rotary packer 1 & 2) |
| 14. | Attached to 3 x 4162 KVA + 1 x 500 KVA + 1 x 1100 KVA DG sets. |

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

M/s. The KCP Limited (Cement Division & Power Plant), Macherla, Guntur District., 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 the Hazardous waste | Stream | Quantity of Hazardous waste | Disposal Option |
|------|-----------------------------|----------------------|-----------------------------|-------------------------------------|
| 1. | Used oil | 5.1 of Schedule - I | 2200 Ltrs./ annum | Authorised Reprocessors/ Recyclers. |
| 2. | Chrome Balls | 23.1 of Schedule - I | 31 TPA | Authorised Reprocessors/ Recyclers. |

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

| S.No | Products | Capacity |
|------|---|------------------|
| 1. | OPC Cement | 2,500 TPD |
| 2. | Electricity (from waste heat recovery boiler) | 51,600 KWH / Day |
| 3. | Storage capacity of clinker silos | 50,000 tons |

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 31st day of March 2017.

Sd/-
MEMBER SECRETARY

To
M/s. The KCP Limited
(Cement Plant),
Sy. No. 1040, 1107, 1108/A,B,C,
Macherla, Guntur District - 522 426.

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JOINT CHIEF ENVIRONMENTAL ENGINEER
UH-IV

SCHEDULE - A

- 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 along with detailed compliance to the conditions stipulated in the CFO and HWA Order.
- 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.
- All the conditions stipulated in the Schedule - A of the earlier combined CFO & HWA order No. APPCB/VJA/VJA/232/HO/CFO/2007-1143 dated 24.08.2007 remain same. The industry should ensure consistent compliance of each condition of Schedule-A.
- The industry may explore the possibility of tapping the solar energy for their energy requirements.
- The applicant shall comply with the all the directions issued by the Board from time to time
- The Board reserves its right to modify above conditions or stipulate any further conditions and to take action including revoke of this order in the interest of protection of public health and environment.

SCHEDULE - B

1. 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. | Boiler Feed & Cooling | 335.0 KLD |
| 2. | Industrial Cooling Tower Makeup | 320.0 KLD |
| 3. | Gardening | 40.0 KLD |
| 4. | Domestic | 201.0 KLD |
| Total: | | 896.0 KLD |

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 5th 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 as and when issued by Board.
3. The emissions should not contain constituents in excess of the prescribed limits mentioned below.

| Chimney No. | Parameter | Emission Standards |
|-------------|-----------|------------------------|
| 1 to 13. | SPM | 100 mg/Nm ³ |

4. The industry should comply with emission limits for DG sets 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 more than 800 KW should 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.
5. The industry should comply with ambient air quality standards of PM₁₀ (Particulate Matter size less than 10 µm) - 100 µg/ m³; PM_{2.5} (Particulate Matter size less than 2.5 µm) - 60 µg/ m³; SO₂ - 80 µg/ m³; NO_x - 80 µg/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).
5. The industry should not increase the capacity beyond the permitted capacity mentioned in this order, without obtaining CFE & CFO of the Board.
6. The industry should reduce the emissions of particulate matter to 50 mg/Nm³ to comply with the emission standards notified vide GSR No.46(E), dated 03.02.2006 by MoEF, GOI, New Delhi. The industry should submit time bound action plan within a month to the concerned RO with a copy marked to Board Office.
7. The industry should upgrade the closed storage facility in respect of fly ash and maintain the good house keeping.
8. The industry should maintain the systems to control fugitive emissions effectively to control the dust emissions. The dust suppression systems should be operated continuously.
9. The industry should submit details of Kiln ESP tripping's to the Regional Office of the Board on every three months.
10. The industry should install & 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.
11. The industry should 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 on-site along with details of measures implemented to mitigate fugitive emissions at various transfers to R.O., Guntur on every three months.
12. 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 - Guntur within a month.

13. The industry shall install 3rd CAAQM station as per the purchase order dt. 25.10.2014 submitted by the industry vide lr.dt.25.10.2014 and connect the monitoring data to the website of APPCB.
14. Bio Indicator Plants should be planted and maintained along the boundary of the industry & should furnish compliance status regularly to the Board.
15. The industry should provide the water sprinkling upto crusher hopper located in the plant from main gate.
16. The industry should develop and maintain 20 meters width greenbelt in and the outside periphery of the industry.
17. The industry shall develop greenbelt as submitted in the Action plan by the industry vide lr.dt.25.10.2014.
18. The industry should maintain the system to control fugitive emissions effectively and the dust separation systems should be operated continuously.
19. The applicant should submit Environment statement in Form V before 30th September every year as per Rule No.14 of E(P) Rules, 1986 & amendments.

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 take necessary practical steps for prevention of oil spillages and carry over of oil from the premises.
7. 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.
8. The industry should maintain good house keeping & maintain proper records for Hazardous Wastes stated in Authorisation.
9. 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.
10. The industry should dispose of e-waste to the authorized recyclers only.
11. The unit should submit the condition wise compliance report of the conditions stipulated in Schedule B and Schedule C of this order on half yearly basis to Board Office, Hyderabad and concerned Regional Office.

Sd/-
MEMBER SECRETARY

To
M/s. The KCP Limited
(Cement Plant),
Sy. No. 1040, 1107, 1108/A,B,C,
Macherla, Guntur District - 522 426.

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JOINT CHIEF ENVIRONMENTAL ENGINEER
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