



# 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 & AUTHORIZATION ORDER BY REGISTERED POST WITH ACKNOWLEDGEMENT DUE

**Consent Order No: APPCB/VJA/VJA/4/HO/CFO/2018-**

**Date: 22.05 .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 Ltd. (Lime Stone Mines) - After Expansion,  
Ramakrishnapuram, Muktyala (V),  
Jaggayyapet (M), Krishna District - 521 175, AP.  
Email: gvk@kcp.co.in**

**The Auto Renewal Consent Order No APPCB/VJA/VJA/4/HO/CFO/2017, dated 23.08.2017 issued to the industry, having validity upto 31.10.2022, stands cancelled.**

(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	Work shop	30 KLD	After treatment shall be used on land for green belt.
2	Domestic	8 KLD	Septic tank followed by soak pit

**ii) Emissions from chimneys:**

Chimney No.	Description of Chimney	Quantity of Emissions at peak flow (m <sup>3</sup> /hr)
1	Stack attached to Lime stone crusher – 1100 TPH	--

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

M/s. The KCP Ltd. (Lime Stone Mines), Krishna 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 Disposal Option:**

S. No	Name of Hazardous Waste	Stream	Quantity	Method of disposal
1.	Waste oil	5.1 of Schedule – I	6 KLA	To authorized Recyclers/Re-processors.
2.	Used lead acid batteries	--	20 Nos./Annum	Returned to manufactures on buy back policy.

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

S. No	Product	Quantity
1.	Lime Stone	4.50 MTPA

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 **31<sup>st</sup> March, 2023**.

**MEMBER SECRETARY**

**To**

**M/s. The KCP Ltd. (Lime Stone Mines) - After Expansion,  
Ramakrishnapuram, Muktyala (V),  
Jaggayyapet (M), Krishna District - 521 175, AP.**

**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 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 should 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 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 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.
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:

<b>Outlet</b>	<b>Parameter</b>	<b>Concentration in mg/l</b>
1.	pH	5.5 – 9.00
	TSS	200.00 mg/l
	Oil & Grease	10 mg/l
	BOD	100 mg/l

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

<b>S. No</b>	<b>Purpose</b>	<b>Quantity</b>
1.	Water spraying	102 KLD
2.	Workshop	18 KLD
3.	Gardening	30 KLD
4.	Domestic	30 KLD
<b>Total</b>		<b>180 KLD</b>

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.

#### **Air Pollution:**

3. The industry 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)

4. 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.
5. Ambient air quality monitoring stations shall be provided in core and buffer zone in down windward direction in consultation with concerned Regional Officer of APPCB for monitoring of PM<sub>2.5</sub>, PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub>. The consolidated report of the same shall be submitted.

#### **General:**

6. **The industry shall handover the original Auto Renewal Consent order dated 23.08.2017 to the RO: Vijayawada after receipt of CFO&HWA (After Expansion) order.**
7. The trucks carrying lime stone shall be fully covered with tarpaulin so that no lime stone dust / fine matters escape during the course of transportation.
8. 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, effluents.

- e. Hazardous/non hazardous solid waste generated and disposed.
  - f. Inspection book.
  - g. Manifest copies of hazardous waste.
9. The Transportation vehicles (trucks) should have valid permissions as prescribed under central motor vehicles rules, 1989 and its amendments thereof.
  10. The industry shall comply with all other specific conditions stipulated in the Environmental clearance order dated 28.01.2010.
  11. All waste material shall be accommodated within the mining Lease area.
  12. All mining products and rejects, irrespective of size and quality, shall be hauled away from the mine.
  13. The natural drainage of water should be maintained. Dump sites should not cross any streams, water flow from the mining lease area, even during the monsoon, should be free of suspended matters and conform to prescribed water quality standards.
  14. Dumping of over burden, if done, should use the retreating pyramid bench formation with concurrent, physical and biological reclamation. Dumps should be contoured and provided with relief control and stabilized. Dump tops shall be compacted, leaved and be properly drained.
  15. Soil binding and nitrogen fixing plants shall be planted in the mining lease area. Biological reclamation should be done in two phases, the first phase shall be plant appropriate quick growing grass and shrubs and the second phase shall grow slower growing native shrubs and trees.
  16. Check dams and filter beds shall be constructed to protect from stream runoffs.
  17. Ground water table levels shall be monitored every season. Any lowering of ground water table in comparison to the previous seasons should be reported to Board immediately. Discarded pits should be allowed to fill with water.
  18. Vehicles should be well maintained and engine idling should be minimized. Vehicle cabs shall be made dust-proof.
  19. Drills should be water-jacketed. Local exhaust ventilation systems should be installed at dust generation points and the dust is led to a dust collection system.
  20. Blasting should be sequential in such a manner as to achieve minimum vibrations.
  21. An environmental policy statement which spells out the overall environmental management philosophy and the thrust programs for the next two years should be prepared and submitted to the board and circulated to the people in habitats in a 10 Km radius around the plant and mines.
  22. The industry shall undertake suitable artificial recharge measures in the project area for augmentation of ground water resources.
  23. The Industry shall ensure that no natural water course shall be obstructed due to any mining operations.
  24. Catch drains and siltation ponds of appropriate size shall be constructed for the working pit, inter burden and mineral dumps to arrest flow of silt and sediment. The water so collected should be utilized for watering the mine area, roads, greenbelt development, etc. The drains shall be regularly desilted, particularly after monsoon and maintained properly.
  25. Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and inter burden dumps and sump capacity shall be provided. Sump capacity with adequate retention period to allow proper settling of silt material should also be provided. Sedimentation pits should be constructed at the corners of the garland drains and desilted at regular intervals.
  26. The proponent has to provide a trench for storm water draining from the mine lease area to aid in preventing the sedimentation of silt and avoid siltation at the discharge end of check dams.
  27. The proponent shall comply with the following for controlling fugitive emissions.
    - The drilling machine shall be equipped with dust collecting or water injection system.

- Water spraying shall be done on the blasted muck pile before loading by excavator to suppress the dust.
  - To control dust from drilling operations, drilling with dust collectors/wet drilling shall be practiced. Also drill speeds shall be regulated as per manufacturer's guidelines.
  - Spread of dust from blasting shall be somewhat checked by use of suitable explosives, and overcharging of blast holes will be avoided.
  - Regular Water spraying shall be done on haul roads and during unloading at crusher hopper to suppress the dust effectively.
  - Over loading of transport equipment shall be prevented in order to stop spillage.
  - Development of green belt/plantation around crushing plant on the sides of approach roads, around office complex, and workshop area to arrest dust.
28. The proponent shall comply with the following for controlling noise emissions.
- Machineries shall be properly maintained to prevent undesirable noise. Attention shall be paid towards rigorous maintenance of the silencers of diesel engines.
  - Surface drilling and blasting operations shall not be carried out at night.
  - The drilling shall be done with sharp drill bits to reduce generation of noise during drilling.
  - Controlled blasting with optimum charge per hole shall be practiced to reduce generation of noise.
  - Hydraulic rock breaker shall be used in lieu of secondary blasting.
  - Drill machine operators and dumper drivers shall be equipped with earplugs and earmuffs. The duty hours of operators working near the machinery shall be regulated to keep their noise exposure levels within limits.
  - Periodical monitoring of noise level of mining machines and at some locations in the mining site shall be done with the help of noise level meter.
29. Thick Green belt of width 7.5 m shall be developed around the mine lease area, haul roads, OB dump sites etc., as stipulated in the EC order dt. 09.02.2018. The existing greenbelt shall further augmented during the expansion.
30. The proponent shall explore the possibility to convert mined area into a reservoir by plugging the leakages.
31. The proponent shall ensure compliance of the National Ambient Air quality standards notified by MoE&F, GoI vide notification No. GSR 826(E), dated. 16.11.2009 during construction and regular operational phase of the project.
32. The industry shall comply with standards and directions issued by CPCB / MoEF&CC as and when notifications are issued.
33. 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.

### **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 and Other Wastes (Management & Transboundary Movement) Rules, 2016.
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.

**MEMBER SECRETARY**

**To**

**M/s. The KCP Ltd. (Lime Stone Mines) - After Expansion,  
Ramakrishnapuram, Muktyala (V),  
Jaggayyapet (M), Krishna District - 521 175, AP.**