



**CONSENT ORDER FOR ESTABLISHMENT**

**Order No. 289 /APPCB/CFE/RO-VJA/HO/2009**

**Dt: 10.04.2018**

Sub: PCB – CFE – **M/s. The KCP Limited, (Lime stone mine), (Expansion), Muktyala (V), Jaggaiahpet (M), Krishna District** – Consent for Establishment of the Board for **expansion** under Sec.25 of Water (P&C of P) Act, 1974 and Under Sec.21 of Air (P&C of P) Act, 1981 – Issued – Reg.

- Ref: 1. CFE order dt.02.09.2010.  
2. EC Order dt. 09.02.2018 issued by MoEF& CC, Gol, New Delhi.  
3. CFE Expn.application received through APOCMMS on 10.03.2018.  
4. R.O's inspection report dt. 16.03.2018.  
5. CFE Committee meeting held on 13.04.2018.  
6. Industry's mail dt. 04.04.2018.

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1. In the reference 3<sup>rd</sup> cited, an application was submitted to the Board seeking Consent for Establishment (CFE) for **expansion** to produce the following with installed capacities as mentioned below, with a project cost of Rs. 22.11 Crores.

Activity	Consented capacity as per CFE dt.02.09.2010	After Expansion
Lime stone	2.0 Million TPA	4.50 Million TPA

2. As per the application, the above activity is to be carried out in the existing Mining lease area of 368.5 Ha. at Muktyala (V), Jaggaiahpet (M), Krishna District. The coordinates of the area is E - 80° 03' 45.00" to 80° 04' 5.67" and N - 16° 50' 5.81" to 16° 50' 23.54".

3. The above site was inspected by the Asst. Environmental Engineer-I, Regional Office, Vijayawada, A.P Pollution Control Board on 14.03.2018 and found that the site is surrounded by

**North** : Approach road  
**South** : Approach road  
**East** : Jaggaiahpet – Mukthyala Road  
**West** : M/s. Kakaitya Cements Ltd., site

4. The Board, after careful scrutiny of the application and verification report of Regional Officer, hereby issues **CONSENT FOR ESTABLISHMENT FOR EXPANSION for Limestone mining activity** under Section 25 of Water (Prevention & Control of Pollution) Act 1974 and Section 21 of Air (Prevention & Control of Pollution) Act, 1981 and the rules made there under. **This order is issued to activity as mentioned at para (1) only.**

5. This Consent Order now issued is subject to the conditions mentioned in annexure.

6. This order is issued from pollution control point of view only. Zoning and other regulations are not considered.
7. **This order is valid for period of 7 years from the date of issue.**

Encl: annexure

**MEMBER SECRETARY**

**To**

**M/s. The KCP Limited, (Lime stone mine), (Expansion),  
Muktyala (V), Jaggaiahpet (M),  
Krishna District.**

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

### Annexure

1. The proponent shall obtain Consents for Operation (CFO) from APPCB, as required Under Sec.25/26 of the Water (P&C of P) Act, 1974 and under sec. 21/22 of the Air (P&C of P) Act, 1981, before commencement of the activity.

#### Water:

1. The source of water is Ground water and the maximum permitted water consumption is as following:

S. No	Purpose	Consented quantity as per CFE order dt. 02.09.2010	Quantity after expansion
1	Water spraying	65 KLD	102 KLD
2	Workshop	8 KLD	18 KLD
3	Gardening	17 KLD	30 KLD
4	Domestic	10 KLD	30 KLD
	<b>Total</b>	<b>100 KLD</b>	<b>180 KLD</b>

2. The maximum waste water generation shall not exceed the following:

S. No	Source	Consented quantity as per CFE order dt. 02.09.2010	Quantity after expansion
1	Work shop	8 KLD	30 KLD
2	Domestic	8 KLD	8 KLD
	<b>Total</b>	<b>16 KLD</b>	<b>38 KLD</b>

#### Treatment & Disposal:

Source of effluent	Treatment	Mode of final disposal
Work shop	Settling cum screening tank and oil & grease trap	Green belt development.
Domestic waste water	Septic tank	soak pit

3. The industry shall ensure that no natural water course shall be obstructed due to any mining operations.
4. 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.
5. 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.
6. 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.
7. Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for each of the purposes mentioned below.
  - a) Water spraying
  - b) Work shop
  - c) Domestic & Gardening purposes.

**Air:**

8. The proponent shall properly maintain existing control equipment to control air pollution after expansion:

Sl. No	Details of stack	Stack 1
1.	Attached to	Lime stone crusher
2.	Capacity	1100 TPH
3.	Fuel	--
4.	Stack height	30 m
5.	Control Equipment	RABH

9. 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.
  - Overloading 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.
10. 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.
11. 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.

12. The generator shall be installed in a closed area with a silencer and suitable noise absorption systems. The ambient noise level shall not exceed 75 dB (A) during day time and 70 dB (A) during night time. The waste oil shall be used for lubrication in the earthmoving equipment.

**Solid / Hazardous Waste:**

13. The proponent shall comply with the following after expansion:

Sl. No	Type of waste	Quantity	Method of disposal
1.	Waste oil	6 Kl/annum	To authorized Recyclers / Re-processors
2.	Used Lead acid batteries	20 Nos/annum	Returned to manufactures on buy back policy.

14. The following rules and regulations notified by the MoE&F, Gol shall be implemented.
- Hazardous waste and other wastes (Management and Transboundary Movement) Rules, 2016.
  - Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989
  - Fly Ash Notification, 2016.
  - Batteries (Management & Handling) Rules, 2010.
  - E-Waste (Management) Rules, 2016.
  - Construction and Demolition waste Management Rules, 2016.

**Other Conditions:**

- 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.
- The proponent shall explore the possibility to convert mined area into a reservoir by plugging the leakages.
- Concealing the factual data or submission of false information / fabricated data and failure to comply with any of the conditions mentioned in this order attracts action under the provisions of relevant pollution control Acts.
- Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves its right and power Under Sec. 27(2) of Water (Prevention and Control of Pollution) Act, 1974 and Under Sec.21(4) of Air (Prevention and Control of Pollution) Act, 1981 to revoke the order, to review any or all the conditions imposed herein and to make such modifications as deemed fit and stipulate any additional conditions.
- 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 Water (Prevention and Control of Pollution)Act,1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.

**MEMBER SECRETARY**

To  
**M/s. The KCP Limited, (Lime stone mine), (Expansion),  
 Muktyala (V), Jaggaiahpet (M),  
 Krishna District.**