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CONSENT ORDER FOR ESTABLISHMENT

Order.No.APPCB/VJA/GTR/25379/CFE/HO/2007 - 1233 - Dt.05 .09.2007

Sub: PCB - CFE - M/s. Parasakti Cement Industries Limited, (Mining Division), Jettipalem (V), Rentachintala (M), Guntur District- Consent for Establishment (Expansion) of the Board 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) Public hearing conducted on 20.12.2006 at Jettipalem (V), Rentachintala (M), Guntur District.
 - 2) Industry's application received through SWCC on 2.7.2007 & 31.7.2007
 - 3) R.O's inspection report dt. 31.7.2007
 - 4) CFE Clearance Committee meeting held on 24.8.2007

1. In the reference 1st cited, an application was submitted to the Board seeking Consent for Establishment (CFE) for open cast limestone mining to produce the following products with installed capacities as mentioned below, with a project cost of Rs. 2.85 crores.

Sl. No.	Products	Existing	After Expansion
1.	Lime Stone Mining		
	Mine Lease - I	0.45 million TPA	1.6 million TPA
	Mine Lease -II	-	0.2 million TPA
	Total	0.45 million TPA	1.8 million TPA

2. As per the application, the above activity is to be located at Jettipalem (V), Rentachintala (M), Guntur District.

Mine Lease -I (180.29 ha) and Mine Lease -II (132.27 ha). Both the mines leases are existing side by side. Out of 2 mines leases, Mine Lease -I is the existing mining area while Mine Lease -II is new mining area.

3. The above site was inspected by the Environmental Engineer, Regional office, Guntur, A.P Pollution Control Board on 3.7.2007 and found that the site is surrounded by

North : Open lands & Plants
South : Open lands & Plants
East : Vacant lands followed by Vagu.
West : Village Road and vacant lands

4. The Board, after careful scrutiny of the application and verification report of Regional Officer, hereby issues CONSENT FOR ESTABLISHMENT to your 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 the activity as mentioned at para (1) only.**

5. This Consent Order now issued is subject to the conditions mentioned in Schedule 'A' and Schedule 'B'.
6. This order is issued from pollution control point of view only. Zoning and other regulations are not considered.

Encl: Schedule 'A'
Schedule 'B'

Sd/
MEMBER SECRETARY

To
M/s. Parasakti Cement Industries Limited,
(Mining Division), Jettipalem (V),
Rentachintala (M), Guntur District- 522421

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

P. Ravindran
JOINT CHIEF ENVIRONMENTAL ENGINEER (CFE)

7/9/07

SCHEDULE - A

1. Progress on implementation of the project shall be reported to the Regional Office, Guntur, A.P. Pollution Control Board once in six months.
2. The proponent shall obtain Consents for operation 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.
3. 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 review any or all the conditions imposed herein and to make such alternation as deemed fit and stipulate any additional conditions by the Board.
4. The consent of the Board shall be exhibited in the factory premises at a conspicuous place for the information of the inspecting officers of different departments.
5. Compensation is to be paid for any environmental damage caused by it, as fixed by the Collector and District Magistrate as civil liability.
6. Rain Water Harvesting (RWH) structure (s) shall be established on the plant site. The proponent shall ensure that effluent shall not enter the Rain Water harvesting structure.
7. The rules and regulations notified by Ministry of Law and Justice, GOI, regarding the Public liability insurance Act, 1991 shall be followed.
8. This order is valid for period of 5 years from the date of issue.

SCHEDULE - B

Water:

1. The source of water is borewell and the maximum permitted water consumption for Mine lease-I is 70.0 KLD after expansion and Mine lease-II is 20 KLD.
2. The maximum Wastewater Generation (KLD) after expansion shall not exceed the following:

Mine Lease - I

SI No	Parameter	Quantity (KLD)
1	Domestic	2.4
2	Workshop	2.0
	Total	4.4

Mine Lease - II

SI No	Parameter	Quantity (KLD)
1	Domestic	0.8

The wastewater shall be treated in septic tank followed by soak pit. The wastewater generated from the workshop shall be treated to on land for irrigation standards before using for development of greenbelt.

3. Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for each of the purposes mentioned below.
 - a) Spraying in mine pits and dust suppression
 - b) Domestic purposes.
4. The mined out areas shall be converted into water reservoirs. The water shall be used for pisculture, dust suppression and greenbelt development.

Air:

5. The following control measures shall be adopted to control the fugitive emissions generated during mining operations.
 - Wet drilling to suppress the dust emission from the drill machines at its source by inbuilt water injection system.
 - Fixed continuous water spraying system on the haul road.
 - Regular water sprinkling on blasted heaps and haul roads with water tankers.
 - Use of sharp drill bits for drilling. Charging the holes by using optimum charge and using time delay detonator.
 - Avoiding blasting during high windy periods, night times and temperature inversion periods.
 - Regular grading of haul roads and service roads to clear accumulation of loose material.
 - Excavation operations are suspended during periods of very strong winds.
 - Avoiding over filling of dumpers and consequent spillage on the roads.
 - The vehicles and machinery are kept in well –maintained condition so that emissions are minimized.
 - Afforestation for control of dust.
 - Plantation of wide leaf trees, creepers, tall grass along approach roads, and on barrier zones will help suppress dust.
6. The industry shall adopt the following control measures to control the noise emissions generated during mining operations.
 - Proper and regular maintenance of vehicles, machinery and other equipment.
 - Green barrier along periphery of mine lease
 - Carrying out blasting only during day time and not on cloudy days.
 - Limiting time exposure of workers to excessive noise.

- The noise generated by the machinery is reduced by proper lubrication of the machinery and equipment.
- The workers employed are provided with protection equipment, earmuffs and ear-plugs, as a protection from the high noise level generated at the plant site wherever required.
- Proper and timely maintenance of mining machinery.
- Speed of trucks entering or leaving the mine is limited to moderate speed of 25 kmph to prevent undue noise from empty trucks.

7. The industry shall adopt the following control measures to control vibrations.

- The charge distribution is 15 to 20% base charge (slurry explosives) and 80% column charge (ANFO mixture), stemming is about 102 m.
- Shock tube initiation system with sequential blasting is adopted.
- Staged pattern of blasting is being adopted.
- Charge weights per delay is properly adopted so as to protect different categories of structures surrounding the mine site.
- Blasting is done is only one bench at a time
- Sequential blasting machine is used.
- Delay between the circuits is varied as per the requirement.

Solid Waste:

8. Low grade limestone generated from the mine shall be blended with cement grade lime stone and shall be consumed in the process.
9. The Hazardous waste (Management and Handling), Rules, 1989 and regulations notified by the MOE&F, GOI shall be implemented.

Other Conditions:

10. Green belt of width 50 m shall be developed along the boundary of the industry. An area of about 25 ha on the western side of the mine boundary shall be developed under greenbelt as per recommendations of State Forest Department as mentioned at page no.6.13 of REIA. Green belt development shall be started before commissioning of mining activity.
11. The proponent shall develop greenbelt on either side of the road from Pasarlpadu to Satrasala temple is passing through mining lease area -I.
12. Fencing shall be provided around mining area to avoid accidents.

13. The recommendations / commitments made during the Public Hearing held on 20.12.2006 at Jettipalem (V), Rentachintala (M), Guntur District shall explicitly be followed from pollution control point of view.
14. The proponent shall obtain Environmental Clearance for mining operations from MOE&F, GOI as per EIA Notification, 2006 before starting mining operations.

Sd/-
MEMBER SECRETARY

To
M/s. Parasakti Cement Industries Limited,
(Mining Division), Jettipalem (V),
Rentachintala (M), Guntur District – 522 421

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