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CONSENT ORDER FOR ESTABLISHMENT

Order No.116/PCB/CFE/RO-KNL/HO/2008

Dt.14 .08.2008

Sub: PCB - CFE - M/s Gayathri Cements, Sy.No.131A, 132, etc. Bujanur (V) & Bilakalguduru (v), Gadivemula(M), Kurnool district - Consent for Establishment 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 28.12.2007 at Bujanur (V), Gadivemula(M), Kurnool district.
2) Industry's application received through SWCC on 1.3.2008
3) Environmental Clearance dt. 21.4.2008 issued by MOE&F, GOI.
4) R.O's inspection report dt. 30.4.2008.
5) APPCB, Z.O.,Kunool, report dt. 7.7.2008.
6) CFE Clearance Committee meeting held on 29.7.2008

1. In the reference 1st cited, an application was submitted to the Board seeking Consent for Establishment (CFE) for mining of lime stone to produce the following products with installed capacities as mentioned below, with a project cost of Rs. 75 Crores in an area of 350.57 ha.

Sl. No.	Product	Capacity
1	Cement grade Lime stone	7.0 Million TPA (23,333.3 TPD)

2. As per the application, the above activity is to be located at Sy.No.131A, 132, etc. Bujanur (V) & Bilakalguduru (v), Gadivemula(M), Kurnool district
3. The above site was inspected by the Environmental Engineer, Regional office, A.P Pollution Control Board, Kurnool on 25.4.2008 and found that the site is surrounded by

North : Agricultural lands
South : Bujanuru(V), Nandyal - Nadikotkur road & agricultural lands.
East : Agricultural lands
West : Approach road followed by Bilakalguduru (V)

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 produce the products 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 Gayathri Cements,
(Lime Stone Mining)
403, Ramsai Encalve, TTD Road,
Srinivasanagar, Nandyal – 518 501.
Kurnool District.

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

P. Ramesh
JOINT CHIEF ENVIRONMENTAL ENGINEER (CFE)

16/8-08

16/8/08

SCHEDULE - A

1. Progress on implementation of the project shall be reported to the Regional Office, A.P. Pollution Control Board, Kurnool once in six months.
2. Separate energy meters shall be provided for Effluent Treatment Plant (ETP) and Air pollution Control equipments to record energy consumed.
3. 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.
4. 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.
5. 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.
6. Compensation is to be paid for any environmental damage caused by it, as fixed by the Collector and District Magistrate as civil liability.
7. Floor washing shall be admitted into the effluent collection system only and shall not be allowed to find their way in storm drains or open areas. The industry shall maintain a good housekeeping. All pipe valves, sewers, drains shall be leak proof. Dyke walls shall constructed around storage of chemicals.
8. 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.
9. The rules and regulations notified by Ministry of Law and Justice, GOI, regarding the Public Liability Insurance Act, 1991 shall be followed.
10. This order is valid for period of 5 years from the date of issue.

SCHEDULE - B

Water:

1. The source of water is Ground water and the maximum permitted water consumption is 607.0 KLD.

Sl No.	Purpose	Water consumption (KLD)
i)	Dust suppression	600
ii)	Gardening / Irrigation	5.0
iii)	Domestic	2.0
	Total	607.0

2. The maximum Waste Water Generation (KLD) shall not exceed the following.

SI No.	Purpose	Wastewater generation (KLD)	Disposal
i)	Domestic	1.0	Septic tank followed by soak pit

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
- b) Domestic purposes.

Air:

4. The proponent shall comply with the following for controlling air pollution from the mines.

- i) Wet drilling to suppress the dust emission from the drill machines at its source by inbuilt water injection system.
- ii) Fixed continuous water spraying system on the haul road.
- iii) Regular water sprinkling on blasted heaps and haul roads with water tankers.
- iv) Usage of sharp drill bits for drilling holes and arrangements for bit regrinding. Charging the holes by using optimum charge and using time delay detonator.
- v) Blasting shall be done using sequential blasting machine. Staggered patterns of blasting shall be adopted by using low density explosives. Blasting operations shall be carried out in only one bench at a time. The industry shall avoid blasting during high windy periods, night times and temperature inversion periods.
- vi) Regular grading of haul roads and service roads to clear accumulation of loose material.
- vii) Excavation operations to be suspended during periods of very strong winds.
- viii) Avoiding over filling of dumpers which may result in consequent spillage on the roads.
- ix) The vehicles and machinery shall be kept in well – maintained condition, so that emissions are minimized.
- x) Afforestation for control of dust. To arrest the amount of airborne dust, extensive plantation shall be carried out within the mines and outside the mining lease area.
- xi) Plantation of wide leaf trees, creepers, tall grass along approach roads

5. The proponent shall comply with the following for controlling noise pollution.
- Proper and regular maintenance of vehicles, machinery and other equipment.
 - Limiting time exposure of workers to excessive noise.
 - The noise generated by the machinery shall be reduced by proper lubrication of the machinery and equipment.
 - The workers employed shall be provided with protection equipment, earmuffs and ear-plugs, as a protection from the high noise level generated at the plant site wherever required.
 - Noise levels are also controlled by using optimum explosive charge, proper delay detonators and proper stemming to prevent blow out of holes.
 - Speed of trucks entering or leaving the mine is limited to moderate speed of 25 kmph to prevent undue noise from empty trucks.
6. 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.

Solid Waste:

7. The proponent shall comply with the following:

Sl. No.	Solid Waste	Quantity	Method of Disposal
1.	Top soil	2660 tons/5yrs. (during first five years of mining plan period)	Shall be utilized for plantation

8. The industry shall utilize topsoil for plantation / greenbelt development. The industry shall utilize the overburden / solid waste for back filling.
9. The Hazardous waste (Management and Handling), Rules, 1989 and regulations notified by the MOE&F, GOI shall be implemented.

Other Conditions:

10. Thick Green belt shall be developed along the boundary of the mine lease area, haul roads, OB dump sites etc. Green belt development shall be started along with the commencement of the mining activity.

Greenbelt development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Department. Herbs and shrubs shall also form a part of Afforestation programme besides tree plantation. Plantation shall be raised in 12.10 ha around the ML area, haul roads, OB dump sites etc. The density of the trees shall be not less than 2500 plants per ha. the company shall involve local people with the help of self group for plantation programme.

11. The proponent shall construct check dams with intermediate sedimentation traps in the flow path to arrest silt.
12. The proponent shall explore the possibility to convert mined area into a reservoir by plugging the leakages.
13. Fencing shall be provided around mining area to avoid accidents.
14. The proponent shall obtain license from Chief Controller of Explosives for magazine building at mine.
15. The industry shall transport the limestone from mine to the cement plant through closed conveyor belt system.
16. The industry shall demarcate a 50 m barrier no mining zone on the side facing river (all along), habitation and canal. The industry shall develop thick native vegetation of different species in this zone.
17. The industry shall prepare a comprehensive conservation plan for wildlife and implement the same in consultation with the Chief Wildlife Warden, A.P., as per the conditions stipulated in the E.C., issued by MOE&F, GOI.
18. The industry shall draw conservation measures for protection of flora and fauna in the Core and Buffer zone in consultation with local Forest & Wild Life Department as per the conditions stipulated in the E.C.
19. The mine working shall not intersect the aquifer.
20. The recommendations / commitments made during the Public Hearing held on 28.12.2007 at Bujanur (V), Gadivemula(M), Kurnool district shall explicitly be followed from pollution control point of view.
21. The industry shall comply with all the conditions stipulated in the Environmental Clearance issued vide order dt.21.4.2008.

**Sd/-
MEMBER SECRETARY**

To
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(Lime Stone Mining)
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