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CONSENT ORDER FOR ESTABLISHMENT

Order No.APPCB/VJA/GTR/534/CFE/HO/2008 882 Dt. 27.06.2008

Sub: PCB - CFE - M/s. Andhra Cements Ltd., Durga Cement works (Cement Division), Sy.No. 533/534/536/543/811-813, Durgapuram (V), Dachepalli (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 20.6.2007 at M.P.P School, Gamalapadu (V), Dachepalli (M), Guntur District.
  - 2) Environmental Clearance dt. 20.12.2007 issued by MOE&F, GOI.
  - 3) Industry's application received through SWCC on 19.2.2008 & addl. Information received on 4.4.2008
  - 4) R.O's inspection report dt. 12.5.2008.
  - 5) CFE Clearance Committee meeting held on 12.06.2008

1. In the reference 3<sup>rd</sup> cited, an application was submitted to the Board seeking Consent for Establishment (CFE) for expansion of Cement plant to produce the following products with installed capacities as mentioned below, with the expansion project cost of Rs.312.7 Crores in the existing plant premises of 141.574 ha.

Sl. No.	Products	Existing	Proposed	Total
1	Cement	0.8 million TPA	1.51 million TPA	2.31 million TPA
2	Clinker	1.00 million TPA	1.00 million TPA	2.00 million TPA

2. As per the application, the above activity is to be located within the existing plant premises located at Sy.No. 533/534/536/543/811-813, Durgapuram (V), Dachepalli (M), Guntur District
3. The above site was inspected by the Asst. Environmental Engineer, Regional office, Guntur, A.P Pollution Control Board on 15.3.2008 and found that the site is surrounded by

North : Mining pit  
South : Barren Lands.  
East : Barren Lands.  
West : State Highway.

4. The Board, after careful scrutiny of the application and verification report of Regional Officer, hereby issues CONSENT FOR ESTABLISHMENT (Expansion) to your unit 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 manufacture 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. Andhra Cements Ltd.,  
Durga Cement works (Cement Division),  
2<sup>nd</sup> floor, Chanderlok Complex, .  
111, S.D. Road, Secunderabad – 500 003.

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

*P. Praveender*  
d/s: JOINT CHIEF ENVIRONMENTAL ENGINEER(CFE)  
*1/2/08*

SCHEDULE - A

1. Progress on implementation of the project shall be reported to the Regional Office, A.P. Pollution Control Board, Guntur 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 Naguleru stream / ground water and the maximum permitted water consumption is 520 KLD.

SI No	Purpose	Water consumption (KLD)
1	Cooling water	400
2	Domestic (Sanitation)	120
	Total	520

2. The Sewage Treatment Plant (STP) shall be constructed and commissioned and Air Pollution control equipment shall be installed along with the commissioning of the activity. All the units of the STP shall be impervious to prevent ground water pollution.

7. The industry shall take the following additional measures for control of dust emissions:
- Installation of a new classifier, reject recirculation system for Raw mill – 2 (VRM).
  - Conversion of pneumatic raw meal and kiln feeding transport systems to mechanical systems.
  - Replacement of existing 4/5 stage pre-heater with 6 stage pre-heater and Inline calcinations with new PH fan.
  - Construction of new clinker silo of 40,000 tonnes
  - Modernization of coal mill with new classifier.
  - Introduction of pneumatic fly ash handling system and fly ash silo of 500 kg capacity.
  - Installation of new rotary electronic packers.
8. The SPM Concentration in emissions from the Kiln and other air pollution sources shall not exceed 50 mg/Nm<sup>3</sup>. The SPM concentration from all the sections shall not exceed 250 mg/Nm<sup>3</sup>.
9. The industry shall install online monitoring equipments for the major stacks viz., Raw mill / Kiln, Clinker cooler etc.
10. A sampling port with removable dummy of not less than 15 cm diameter shall be provided in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc. A platform with suitable ladder shall be provided below 1 meter of sampling port to accommodate three persons with instruments. A 15 AMP 250 V plug point shall be provided on the platform.
11. The proponent shall provide interlocking system for air pollution control equipments provided with raw material feeding system so that the feeding of raw material would be stopped incase the air pollution control equipments fails.
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.

**Solid Waste:**

13. The proponent shall comply with the following:

Sl No.	Solid waste	Mode disposal
1	Cement dust, clinker dust, raw meal dust, coal dust, etc collected from respective air pollution control equipment.	Recycled back to process
2	Spent oil	Disposed to authorized agencies

14. The following rules and regulations notified by the MOE&F, GOI shall be implemented.

- a) Hazardous waste (Management and Handling), Rules, 1989
- b) Manufacture, storage and import of hazardous chemicals Rules, 1989.

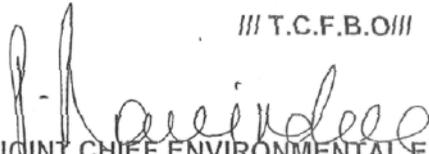
**Other Conditions:**

15. The expansion of clinker and cement manufacturing shall be due to modification / modernization of the existing cement plant as detailed in page 1.2 and page 4.1 to 4.7 of EIA report.
16. Thick Green belt shall be developed along the boundary of the industry. Green belt development shall be started along with the expansion activity
17. The recommendations / commitments made during the Public Hearing held on 20.6.2007 at M.P.P School, Gamalapadu (V), Dachepalli (M), Guntur District shall explicitly be followed from pollution control point of view.
18. The industry shall comply with all the conditions stipulated in the Environmental Clearance issued vide order dt. 20.12.2007

Sd/-  
MEMBER SECRETARY

To  
M/s. Andhra Cements Ltd.,  
Durga Cement works (Cement Division),  
2<sup>nd</sup> floor, Chanderlok Complex,  
111, S.D. Road, Secunderabad – 500 003.

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

  
JOINT CHIEF ENVIRONMENTAL ENGINEER (CFE)  
1/7/08  
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