



REGD.POST WITH ACK.DUE

CONSENT ORDER FOR ESTABLISHMENT

Order No.145/PCB/CFE/RO-KN/HO/2010

1192

Dt.09.08.2010

Sub: PCB - CFE - **M/s. BMM Cements Limited, Gudipadu (V), Yadiki(M), Anantapur 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 19.8.2009 at Gudipadu(V), Yadiki(M), Anantapur District
2) Environmental Clearance dt. 26.2.2010 issued by SEIAA, A.P.
3) Industry's application received through SWCC on 6.4.2010 & clarification received on 7.5.2010
4) R.O's inspection report dt. 12.4.2010
5) CFE Committee meeting held on 10.6.2010.

1. In the reference 3rd cited, an application was submitted to the Board seeking Consent for Establishment (CFE) to setup cement plant and coal based captive power plant to produce the following products with installed capacities as mentioned below, with a project cost of Rs. 300 Crores.

Sl. No.	Products	Capacity
1	Clinker	0.66 Million TPA
2	Cement *	0.95 Million TPA
3	Power (Captive Consumption)	25 MW

*Cement of 0.95 MTPA is produced using clinker of 0.66 MTPA & additives

2. As per the application, the above activity is to be located at Sy.No. 754, 608, 767, etc, Gudipadu(V), Yadiki(M), Anantapur District in an area of 80.0 Hectares (198.4 acres).
3. The above site was inspected by the Asst. Environmental Engineer-I, Regional office, Kurnool, A.P Pollution Control Board on 8.4.2010 and found that the site is surrounded by

North : Vacant land
South : Vacant land
East : Mine Area
West : Vacant land

4. The Board, after careful scrutiny of the application and verification report of Regional Officer, hereby issues **CONSENT FOR ESTABLISHMENT** 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 BMM Cements Limited,
8-2-686/D/8/10/2, Megacity, 584,
Road No.12, Banjara Hills,
Hyderabad – 500 034.

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

B. S. Rao

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JOINT CHIEF ENVIRONMENTAL ENGINEER(CFE)

SCHEDULE - A

1. Progress on implementation of the project shall be reported to the concerned Regional Office, A.P. Pollution Control Board 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 borewell and the maximum permitted water consumption is 3200 KLD & fresh water requirement is 2490 KLD.

S.No.	Source	Quantity
1.	Cooling (Cement Plant)	500.0 KLD
2.	Filter backwash	15.0 KLD
3.	Boiler Feed	30.0 KLD
4.	Cooling (Power plant)	2430.0 KLD
5.	Service water	10.0 KLD
6.	Softner / DM Plant	15.0 KLD
7.	Domestic(Plant & colony)	200.0 KLD
Total		3200.0 KLD

470 KLD

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

S.No.	Source	Quantity
1.	Filter backwash	15.0 KLD
2.	Boiler blow down	24.0 KLD
3.	Cooling	490.0 KLD
4.	Service water	6.0 KLD
5.	Softner / DM Plant	15.0 KLD
6.	Domestic(Plant & colony)	160.0 KLD
	Total	710.0 KLD

Treatment & Disposal:

Effluent source	Treatment	Mode of final disposal
D.M. Plant	Neutralization	Shall be collected in CMB and recycle into the process for cooling purpose.
Cooling tower, Boiler & filter back wash	Settling tank	
Service water	Oil & Grease trap	
Domestic (Plant & Colony)	STP	Recycled into process / Greenbelt development

3. Air cooled condenser shall be provided to reduce fresh water consumption and shall implement water conservation methods where ever possible.
4. All the treated waste water shall be recycled and reused in the process and/or for dust suppression, green belt development and under no circumstances shall be discharged out side the factory premises. The zero discharge shall be implemented.
5. The Effluent Treatment Plant (ETP) shall be constructed and commissioned along with the commissioning of the activity. All the units of the ETP shall be impervious to prevent ground water pollution.
6. The effluents shall be treated to the on land for irrigation standards, stipulated under Environment (Protection) Rules, 1986, notified and published by Ministry of Environment and Forests, Government of India as specified in Schedule VI vide G.S.R.422 (E), dt.19.05.1993 and its amendments thereof, and additional standards / conditions stipulated by APPCB.
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) Industrial cooling, boiler feed.
 - b) Domestic purposes.
 - c) Processing, whereby water gets polluted and pollutants are easily bio-degradable.
 - d) Processing, whereby water gets polluted and the pollutants are not easily bio-degradable.

Air:

8. The Air pollution Control equipment shall be installed along with the commissioning of the activity and shall comply with the following for controlling air pollution.

Sl. No.	Details of Stack	Stack 1	Stack 2	Stack 3	Stack 4	Stack 5
a)	Attached to:	Boiler	Raw mill / Kiln	Cooler	Cement mill	Coal mill
b)	Capacity	110 TPH	2000 TPD	2500 TPD	150 TPH	23 TPH
c)	Fuel from :	Coal - 430 TPD	Coal - 370 TPD	---	---	---
d)	Stack height :	70 m	90 m	30 m	40 m	40 m
e)	Control Equipment.	ESP	Reverse Air Bag House	ESP	Bag filters	Bag filters

9. The industry shall install adequate dust collection and extraction system to control the fugitive dust emissions at various transfer points, raw material handling, bagging, packing, parking areas etc., . Suitable air pollution control equipment such as Bag filters shall be provided at Raw material hoppers, Raw grinding ball mill, Raw meal storage silos.
10. The industry shall construct raw material storage sheds. The storage of raw material shall be in closed roof sheds / silos.
11. The ESP and Bag filters proposed shall be designed such that 25% of additional capacity is available as spare to meet the emergency requirements.
12. The industry shall cover all the raw material transfer point conveyer belts with GI sheets. Water spraying system and dust suppression system shall be provided all around the coal, iron ore, lime stone stock pile sheds and around the conveyor system.
13. The industry shall provide concrete roads in the plant to avoid the fugitive dust emissions. Vacuum / pneumatic dust collection system shall be used for cleaning the internal roads.
14. The industry shall install online monitoring equipments for the major stacks viz., Raw mill / Kiln, Clinker cooler, Boiler and shall provide facility for on line display in the PLC control room.
15. Fixed ambient air stations shall be provided in the core zone as well as in the buffer zone for monitoring PM10, PM2.5, SO₂ and NO_x in wind word direction and in the nearest village / habitation in which peak ground level concentration is level is expected in consultation with concerned Regional Officer of APPCB. Monthly reports of the same shall be submitted to the Regional Officer.
16. The particulate emission from the cement plant shall not exceed 50 mg/Nm³. The total dust from all the sections shall not exceed 250 mg/Nm³ as prescribed by CPCB.

17. 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.
18. 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.
19. 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 & Hazardous Waste:

20. The proponent shall comply with the following:

Sl. No	Source of generation	Quantity	Method of disposal
1	Process (Hi-chrome grinding media)	2.5 TPA	Shall be Recycled / replaced by the suppliers
2	ETP sludge	2 TPA	Shall be Used as manure for greenbelt development after drying
3	Ash	180 TPD	Shall be Reused in the process for cement manufacturing
4	Spent Oil	250 LPA	Shall be Used for lubrications of scrapper chains within the plant and balance shall be used as fuel in kiln.

21. Provisions shall be made to the cement kiln to use spent carbon, spent solvent, etc., to use as fuel in the kiln. Spent Acid shall be used for production of Gypsum. The industry shall make necessary arrangements in this regard.
22. The following rules and regulations notified by the MOE&F, GOI shall be implemented.
 - a) Hazardous waste (Management, Handling and Transboundary Movement), Rules, 2008.
 - b) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989.

Other Conditions:

23. Green belt of width 15 m shall be developed along the boundary of the plant and colony. Greenbelt shall be developed in an area of minimum 33% of total area of the industry as per CPCB guidelines i.e. in an area of 26.67 ha. Green belt development shall be started along with the construction activity.

24. The over all noise levels in and around the plant shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc., on all sources of noise generation.
25. Occupational health surveillance programs shall be done on regular basis and record to be maintained.
26. The recommendations / commitments made during the Public Hearing held on 19.8.2009 at Gudipadu(V), Yadiki(M), Anantapur District shall explicitly be followed from pollution control point of view.
27. The proponent shall obtain necessary clearance from concerned Government Department to draw water.
28. The industry shall comply with all the conditions stipulated in the Environmental Clearance issued vide order dt. 26.2.2010 issued by SEIAA, A.P.

Sd/-
MEMBER SECRETARY

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