



REGD.POST WITH ACK.DUE

CONSENT ORDER FOR ESTABLISHMENT

Order. No. APPCB/VSP/VZN/83/CFE/HO/2006

Dt. 02.01.2007

Sub: PCB – CFE - **M/s. GMR Industries Limited, (Sugar Division), Srikakulam 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) Industry's application received through SWCC on 29.6.2006.
 - 2) R.O's inspection report dt. 27.7.2006.
 - 3) CFE Clearance Committee meeting held on 30.08.2006.
 - 4) T.O. Lr. dt. 7.9.2006.
 - 5) Industry's lr. dt. 4.10.2006.
 - 6) T.O. Lr.dt.1.11.2006.
 - 7) The MoE&F, GOI, Circular on EIA, 2006 dt. 21.11.2006.
 - 8) Industry's lr. dt. 7.11.2006 & 4.12.2006.
 - 9) CFE Clearance Committee meeting held on 16.12.2006.

1. In the reference 1st cited, an application was submitted to the Board seeking Consent for Establishment (CFE) for expansion to produce the following products with installed capacities as mentioned below with a project cost of Rs. 33 crores for expansion.

Sl. no.	Products	Existing (TPD)	Proposed (TPD)	Total after expansion (TPD)
1	Crystal Sugar @ 10% recovery	250	250	500
	Sugar cane crushing	2500 TCD	2500 TCD	5000 TCD
2	Captive Power	16 MW	-----	16 MW
	By- Product			
1	Molasses @ 4.5%	112.5	112.5	225
2	Bagasse @ 30%	750	750	1500
3	Filter Cake @ 4%	100	100	200

2. As per the application, the above activity is to be carried out in the existing premises located at R. Sy. No. 289, 290 to 298 & 301 to 318, Sankali (V), Regidi Amadalavalasa (M), Srikakulam District.
3. The above site was inspected by the Environmental Engineer, Regional Office, Vizianagaram, A.P Pollution Control Board on 12.7.2006 and found that the site is surrounded by:

North : Dry lands with small hillock
South : Village road followed by Distillery unit.

4. The Board, after careful scrutiny of the application, verification report of the Regional Officer and clarifications submitted by the industry, and in view of MoE&F, GOI, Circular on EIA, 2006 dt. 21.11.2006, hereby issues CONSENT FOR ESTABLISHMENT for expansion to your unit / 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 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. GMR Industries Limited,
(Sugar Division),
R. Sy. No. 289, 290 to 298 & 301 to 318,
Sankali (V), Regidi Amadalavalasa (M),
Srikakulam District

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


JOINT CHIEF ENVIRONMENTAL ENGINEER (CFE)

HZ 2/5

31/07

SCHEDULE - A

1. Progress on implementation of the project shall be reported to the Regional Office, Vizianagaram, 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 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 molasses and other 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 River Nagavali and the maximum permitted water consumption after expansion is 595 KLD. This also includes hot water recycled after cooling, as proposed by the industry's vide Ir. dt. 04.10.2006.
2. The Effluent Treatment Plant (ETP) shall be upgraded as proposed, along with the commissioning of the activity. All the units of the ETP shall be impervious to prevent ground water pollution.
3. 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.

4. The maximum Waste Water Generation (KLD) after expansion shall not exceed the following (as proposed by the industry's vide Ir. dt. 04.10.2006):

Out put	After expansion (KLD)
DM water regeneration	25
Boiler blow down	50
Cooling water blow down	260
Washings	120
Total waste water	455

Hot water generated (1249.24 KLD) is to be cooled and after cooling, 700 KLD is to be sent to the Distillery division of the industry for dilution of molasses in the fermentation section and remaining is to be recycled back in the sugar plant (as proposed by the industry's vide Ir. dt. 04.10.2006).

Source of Effluent	Mode of final disposal	Standards to be complied
Treated effluent from Process, Cooling, Boiler, DM Plant	On land for irrigation	On land for irrigation
Hot water after cooling	Recycled	--
Domestic	Septic tank / Soak pit	--

5. Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for each of the purposes mentioned below.
- Industrial cooling, boiler feed.
 - Domestic purposes.
 - Processing, whereby water gets polluted and pollutants are easily biodegradable.

Air:

- The industry shall not install any additional boiler.
- The industry shall provide one additional ESP cell of existing ESP capacity to control boiler emissions as proposed, so as to meet Board standards.
- The proposed generator of 1500 KVA capacity 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. Stack height shall be provided as per CPCB norms.

Solid Waste:

9. The proponent shall comply with the following:

S. No	Solid Waste	After expansion (TPD)	Method of disposal
1)	Filter cake	200	To farmers as manure
2)	Ash	60	To brick manufacturing units
3)	ETP sludge	0.3	For composting and use as manure
4)	Spent Lubricating	1000	To APPCB authorized dealers

0. 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:

11. The industry shall obtain environmental clearance from MoE&F, GOI / State Environment Impact Assessment Authority (SEIAA) as per EIA, Notification dt. 14.09.2006, by 30.6.2007.
12. Green belt shall be developed along the boundary of the industry. The existing greenbelt of 112 acres (as reported vide Ir. dt. 04.10.06) shall be maintained.
13. The industry shall comply with CPCB guidelines and CREP recommendations applicable to the sugar industry.

Sd/-
MEMBER SECRETARY

To
M/s. GMR Industries Limited,
(Sugar Division),
R. Sy. No. 289, 290 to 298 & 301 to 318,
Sankali (V), Regidi Amadalavalasa (M),
Srikakulam District

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JOINT CHIEF ENVIRONMENTAL ENGINEER (CFE)

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