

KIND ATTN : SRI SHRAVAN

No. J-11011/157/2003-IA-II
Government of India
Ministry of Environment & Forests

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To

Shri K. Narayana Rao
Managing Director
GMR Technologies & Industries Limited
6-3-866/1/G2, Greenlands, Begumpet
Hyderabad-50 016

Sub : 40 KLD distillery unit of M/s GMR Technologies & Industries Limited at Sankili village, Srikakulam district, Andhra Pradesh

Sir,

This has reference to your letter No. nil dated 8.8.2003 enclosing Application and EIA/EMP report, and subsequent clarifications furnished vide your letters dated 8.10.03 and 12.11.03 on the above mentioned project.

2. The Ministry of Environment & Forests has examined the proposal. It is noted that the proposal is for setting up of a distillery unit of 40 KLD at Sankili in Srikakulam district of Andhra Pradesh. The unit will be located in an area of 16.20 ha (40 acres) within the existing premises of 77.22 ha of 3125 TCD sugar mill of the company. The project does not involve forest land and displacement of people. Water requirement of 890 m³/d will be met from the subsurface water of Nagavali river through existing infiltration wells dug up in the river bed. The distillery will operate for 270 days in a year. The unit will adopt continuous fermentation technology with reboiler system. Biomethanation followed by biocomposting will be practiced for utilization of spentwash from the distillery and pressmud from the 3125 TCD sugar mill. There will be zero discharge of effluents from the distillery. Requirement of molasses (5340 TPM) and pressmud (32572 TPA) will be met from own Sugar Mill and nearby sugar mills. NOC from Andhra Pradesh Pollution Control Board has been obtained on 28.6.03. Public hearing for the project was held on 29.5.2003. Total cost of the project is Rs. 16 crores.

3. The Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 27th January, 1994 as amended subsequently subject to strict compliance of the following specific and general conditions:

A. SPECIFIC CONDITIONS

- (i) The industry shall ensure that the treated effluent and stack emissions from the unit are within the norms stipulated under the EPA rules or SPCB whichever is more stringent. In case of process disturbances/failure of pollution control equipments adopted by the unit, the respective unit shall be shut down and shall not be restarted until the control measures are rectified to achieve the desired efficiency.
- (ii) The company shall adopt state of the art continuous fermentation technology with reboiler system and ensure that the spentwash generated does not exceed 8-10 KL/KL alcohol produced.
- (iii) The unit shall not operate for more than 270 days in a year as per the CPCB guidelines.
- (iv) Biomethanation followed by biocomposting with pressmud shall be practiced for utilization of spentwash. The biogas generated should be utilized for steam generation in the boiler, which shall be provided with a bag filter.
- (v) Land and other requirements for treatment of spentwash with pressmud shall be as per the CPCB guidelines. The company shall earmark a separate area of 15 acres for biocomposting and storage of pressmud and finished products. Spentwash storage shall not be more than 30 days. The company shall monitor the soil and ground water quality in the compost and project area on a regular basis and submit half-yearly reports to SPCB and the Ministry.
- (vi) The company shall develop 5000 acres of nearby land with sweet sorghum to supplement the requirement of molasses in future.
- (vii) The company shall undertake rainwater harvesting measures.
- (viii) As reflected in the EIA/EMP, green belt of adequate width and density shall be provided to mitigate the effects of fugitive emissions all around the plant as per the CPCB guidelines in consultation with the local DFO.
- (ix) Occupational health surveillance programme shall be undertaken as a regular exercise for all the employees and their medical records maintained.

B. GENERAL CONDITIONS

- (i) The project authorities shall strictly adhere to the stipulations made by the Andhra Pradesh State Pollution Control Board and the State Government.
- (ii) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment & Forests.
- (iii) Ambient Air Quality Monitoring Stations shall be set up in the down wind direction as well as where maximum ground level concentration of SPM, SO₂, NO_x are anticipated in consultation with the State Pollution Control Board.
- (iv) Adequate number of influent and effluent quality monitoring stations shall be set up in consultation with the State Pollution Control Board. Regular monitoring shall be carried out for relevant parameters.
- (v) The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient

noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).

- (vi) The project proponent shall comply with all the environmental protection measures and safeguards recommended in the EIA report.
- (vii) A separate environmental management cell equipped with full fledged laboratory facilities shall be set up to carry out the environmental management and monitoring functions. The project authorities shall provide adequate funds both recurring and non-recurring to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government alongwith the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
- (viii) The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional Office at Bangalore/ State Pollution Control Board/Central Pollution Control Board. A six monthly compliance status report alongwith the monitored data shall be submitted to the monitoring agencies.
- (ix) The Project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the State Pollution Control Board/Committee and may also be seen at website of the Ministry of Environment & Forests at <http://envfor.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional Office.
- (x) The project authorities shall inform the Regional Office as well as the Ministry the date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.

4. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

5. The Ministry reserves the right to stipulate additional conditions if found necessary. The company will implement these conditions in a time bound manner.

6. The above conditions will be enforced interalia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974; the Air (Prevention & Control of Pollution) Act, 1981; the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991, alongwith their amendments and rules.

Sujata Arora
(Dr.Sujata Arora)
Joint Director

Copy to :

1. Secretary, Department of Environment & Forests, Government of Andhra Pradesh, Hyderabad

2. Chief Conservator of Forests, Ministry of Environment & Forests, Regional office, (Southern), Kendriya Sadan, 4th floor, 17th Main Road, II Block, Koramangla, Bangalore-560 034.
3. Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-office Complex, East Arjun Nagar, New Delhi-110032
4. Chairman, Andhra Pradesh Pollution Control Board, 2nd Floor, Maitrivanam, HUDA Complex, S.R. Nagar, Hyderabad-500 038
5. Sr. Adviser (EI Division, MoEF)
6. Director, Monitoring Cell, MoEF
7. Guard file
8. Monitoring file
9. Record file

(Dr.Sujata Arora)
Joint Director