

F. No. J-11011/388/2006- IA II (I)  
Government of India  
Ministry of Environment and Forests  
(I.A. Division)

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Dated 18<sup>th</sup> May, 2007

To,  
Shri V. Ravichandran  
Managing Director  
M/s Coromandel Fertilizers Limited  
Sriharipuram, Malkapuram Post  
Visakhapatnam-11  
Andhra Pradesh.

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**Subject: Expansion of Fertilizer plant at Sriharipuram, Malkapuram Post, Visakhapatnam, A. P. by M/s Coromandel Fertilizers Limited.**

Sir,  
Kindly refer your letter no. SHE/MOEF/06-033 dated 1<sup>st</sup> November, 2006 alongwith project documents including Form-I, Pre-feasibility Report and draft 'Terms of Reference' as per the EIA Notification, 2006 and subsequent clarifications furnished vide communications dated 5<sup>th</sup> December, 2006 regarding above mentioned fertilizer project.

2.0 The Ministry of Environment & Forests has examined the application. It is noted that proposal is for the expansion of Fertilizer plant at Sriharipuram, Malkapuram Post, Visakhapatnam, A. P. by M/s Coromandel Fertilizers Limited and expansion will be carried out at the existing site only and no additional land will be required. Site is not located in any sensitive or critically polluted area.

3.0 No Sulphuric acid plant and Co-generation plant will be installed leading to no increase in the SO<sub>2</sub> emissions. There will be slight enhancement of phosphoric acid production due to increase in capacity from present 600 TPD to 700 MTPD but as such, there will not be any increase in the pollution load. In fact, pollution load will reduce due to improvement in the process. Water requirement will be met from Municipal Water supply. No effluent will be generated from water-soluble fertilizer plant since entire quantity of water will be recycled in the process. Liquid effluent from cooling tower blow down will be recycled and reused in phosphoric acid / granulation plants. Change of gypsum disposal system from wet to dry in phosphoric acid plant will reduce quantity of effluent. Remaining treated effluent will be disposed off into the sea at a distance of 5.0 km. through a channel. Gypsum being produced as a by-product from phosphoric acid plant is being utilized in cement industries as a retarder as well as soil conditioner for agricultural use. Total usage of fuel oil will be reduced by 4,000 MTPA due to installation of pre-heater in granulation plants in place of fuel oil fired furnaces for drying the

product. In view of these features of the proposed expansion, the Expert Appraisal Committee recommended the proposal for environmental clearance requiring no EIA and public consultation as per the provisions of section (para) 7 (ii) of the EIA Notification, 2006. Total cost of the project is Rs. 116.00 Crores.

4.0 The Ministry of Environment and Forests hereby accords environmental clearance to the above unit under the EIA Notification, 2006 subject to the compliance of the terms and conditions mentioned below :

A. SPECIFIC CONDITIONS :

- i. The gaseous emissions ( $\text{SO}_2$ ,  $\text{NO}_x$ ,  $\text{NH}_3$ , Urea dust) particulate matter from various process units shall conform to the standards prescribed by the concerned authorities from time to time. Monitoring of HF shall be carried out alongwith other parameters. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.
- ii. Ambient air quality monitoring stations shall be set up in the downwind direction as well as where maximum ground level concentration are anticipated in consultation with the APPCB and data submitted to the Ministry's Regional Office at Bangalore six monthly and APPCB quarterly alongwith statistical analysis.
- iii. Total water requirement will be met from Municipal Water supply. No effluent will be generated from water-soluble fertilizer plant since entire quantity of water will be recycled in the process. Liquid effluent from cooling tower blow down will be recycled and reused in phosphoric acid / granulation plants and in case of no consumption, it will be sent to ETP. Treated effluent will be disposed off into the sea at a distance of 5.0 K through a channel.
- iv. Prior clearance under the Coastal Regulation Zone (CRZ) shall be obtained from the State / Central Govt. for the disposal of treated effluent into the Sea.
- v. Regular monitoring of ground water by installing peizometric wells around the guard pond and sludge disposal site shall be periodically monitored and reports submitted to Ministry's Regional Office at Bangalore, CPCB and UPPCB.
- vi. Gypsum produced as a by-product from phosphoric acid plant shall be utilized in cement industries as a retarder as well as soil conditioner for agricultural use. Waste oil shall be sold to the authorized recyclers / reprocessors.
- vii. The company shall adopt rainwater harvesting measures to reduce requirement of the fresh water.
- viii. Green belt shall be developed in 33 % area and properly maintained to mitigate the effects of fugitive emissions all around the plant as per the Central Pollution Control Board guidelines.

The company shall implement all the recommendations made in the Charter on Corporate Responsibility for Environmental Protection (CREP) for fertilizer industries.

#### GENERAL CONDITIONS:

- i. The project authorities must strictly adhere to the stipulations made by the A.P. Pollution Control Board (APPCB) and the State Government.
- ii. No further expansion/modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.
- iii. The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Wastes (Management & Handling) Rules, 2003.
- iv. The project proponent shall also comply with all the safeguards recommended in the EIA /EMP Report.
- v. The project authorities will set up a separate environmental management cell for effective implementation of all the above stipulations under control of Senior Executive.
- vi. Adequate funds towards capital cost and recurring expenditure/annum shall be earmarked and judiciously utilized to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government and a time bound implementation schedule for all the conditions stipulated herein shall be submitted. The funds so provided shall not be diverted for any other purposes.
- vii. The Regional Office of this Ministry at Bangalore / Central Pollution Control Board / APPCB will monitor the stipulated conditions. A six monthly compliance status report and the monitored data alongwith statistical interpretation shall be submitted to monitoring agencies regularly.
- viii. 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 APPCB / Committee and may also be seen at Website of the Ministry of Environment and Forests at <http://envfor.nic.in>. This should 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 at Bangalore.
- ix. 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 commencing the land development work, if any.

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

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

7.0 The above conditions will be enforced, inter-alia 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, Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

*P. B. Rastogi*  
18/5/07  
(Dr. P. B. Rastogi)  
Additional Director

Copy to :

1. The Secretary, State Department of Environment and Forests, Govt. of Andhra Pradesh, Mantralaya, Hyderabad, A.P.
2. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi – 110032.
3. The Chairman, Andhra Pradesh State Pollution Control Board, 2<sup>nd</sup> Floor, HUDA Complex, Maitrivaram, S.R. Nagar, Hyderabad – 500 038, A. P.
4. The Chief Conservator of Forests (Central), Ministry of Environment & Forest, Regional Office (SZ), Kendriya Sadan, IV<sup>th</sup> Floor, E&F Wing, 17<sup>th</sup> Main Road, Koramangla, Bangalore - 560 034, Karnataka.
5. JS (CCI-I), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi. - 110003.
6. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi-110003.
7. Guard file.
8. Record file
9. Monitoring file.

*P. B. Rastogi*  
18/5/07  
(Dr. P. B. Rastogi)  
Additional Director