



Government of India
Ministry of Environment & Forests
(IA Division)

By speed post

Paryavaran Bhawan
CGO Complex, Lodhi Road
New Delhi - 110 003

E-mail: hsmalviya@gmail.com

Telephone: 011: 2436 7076

Dated: June 03, 2009

F. No. J-11011/133/2009-IA-II (I)

To

M/s Mangalore Chemicals & Fertilizers Limited,
Panambur,
Mangalore- 575010
District Mangalore Dakshin Kannada
Karnataka

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13/6

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13/6/2009

admin_wo@manglorechemicals.com

Sub: Setting up of specialty mixtures of nutrients manufacturing plant at Panambur Mangalore Dakshin Kannada District Karnataka by M/s Mangalore Chemicals & Fertilizers Limited. – Environmental clearance reg.

Sir,

This has reference your letter no. 10602/KSPCB/472 dated 21st January, 2009 alongwith Form-1 and Project report public seeking environment clearance under EIA Notification 2006 for the above-mentioned project.

2.0 The Ministry of Environment and Forests has examined the proposal and noted that the proposal is for environment clearance for M/s Mangalore Chemicals & Fertilizers Limited have proposed for setting up of specialty mixtures of nutrients manufacturing plant at Panambur Mangalore Dakshin Kannada District Karnataka. The existing plant has started commercial production in 1976. The specialty mixtures of nutrients manufacturing plant will be located in the existing premises and no additional land will be required for the expansion. Green belt has been developed in 45 acres of land. The cost of the project will be Rs. 7.00 Crores. The details of the existing products and proposed products area as given below:

Sl. no.	product	Production capacity
	Existing	
1.	Ammonia	2,40,900 MTPA
2.	Urea	4,19,750 MTPA
3.	DAP & NP	4,01,500 MTPA
4.	Ammonium bicarbonate	15, 330 MTPA
5.	Sulphuric Acid	1,46,000 MTPA
	Proposed	
1.	Micronutrients	10,000 MTPA
2.	Speciality Fertilizers	1,00,000 MTPA
3.	Fertigation Products	11,000 MTPA
4.	Soil Conditioners	1,00,000 MTPA

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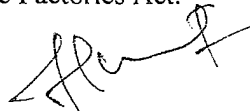
3.0 It is noted that the plant is purely based on mixing process and no air & water pollution is envisaged. No effluent generation is anticipated from the proposed project. The utilities required would be tapped off from the existing complex.

4.0 The project activity is listed at Sl. No. 5(a) under Category 'A' and appraised at the Central level by the Expert Appraisal Committee (Industry) in its 93rd meeting of the Expert Appraisal Committee (Industry) held on 14th -16th April, 2009. Public hearing/public consultation is exempted as per para 7(ii) of the EIA Notification, 2006.

5.0 Based on the information submitted, the Ministry of Environment and Forests hereby accords environmental clearance to above project under the provisions of EIA Notification dated 14th September 2006 subject to the compliance of the following Specific and General conditions:

A. SPECIFIC CONDITIONS:

- i) The projects authorities shall ensure zero discharge from the proposed plant. The wastewater generated for the existing plant shall be treated as per the standards prescribed by the Karnataka Pollution Control Board. No utilities shall be developed for this project.
- ii) The project authorities shall not manufacture the raw materials as this plant will be based on mixing process only.
- iii) The project authority shall install dust collection system in fertilizer mixing and bagging plant to control particulate emissions.
- iv) The company shall carry out air quality monitoring at vents/stacks and regular monitor the gaseous emissions alongwith particulate matter. The reports shall be submitted to the Ministry's Regional Office at Bangalore, CPCB and SPCB.
- v) The ambient air quality shall be monitored at least at 3 locations, minimum one in down wind direction. The location of monitoring stations shall be selected in consultation with the State Pollution Control Board.
- vi) Data on ambient air quality, stack emissions and fugitive emissions shall be regularly uploaded on the website of the company and submitted on-line to the Ministry's Regional Office at Bangalore, Karnataka State Pollution Control Board (KSPCB) and Central Pollution Control Board (CPCB) as well as hard copy once in six months. Data on SPM, SO₂ and NO_x shall also be displayed outside the premises at the appropriate place for the general public.
- vii) The company shall develop the green belt in 33% area, out of total area to mitigate the effect of fugitive emissions and noise as per the guidelines CPCB.
- viii) The company shall implement all the recommendations made in the Charter on Corporate Responsibility for Environmental Protection (CREP) for fertilizer industries for existing and proposed plant.
- ix) Occupational health surveillance of the workers shall be carried out on a regular basis and records shall be maintained as per the Factories Act.



- x) The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
- xi) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, Safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

B. GENERAL CONDITIONS :

- (i) The project authorities shall strictly adhere to the stipulations of the SPCB/state government or any statutory body.
- (ii) The gaseous emissions (SO₂, HCl, NO_x, NH₃, fertilizer dust) and particulate matter from various process units shall conform to the standards prescribed by the concerned authorities from time to time. Emission data shall be periodically monitored and reports submitted to Ministry's Regional Office, CPCB and SPCB.
- (iii) All the waste waters generated from the various processes shall be recycled/reuse in the plant and zero discharge shall be maintained. The domestic waste water shall be treated in septic tanks and treated waste shall be used for irrigation in the green belt.
- (iv) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- (v) At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.
- (vi) The locations of ambient air quality monitoring stations shall be reviewed in consultation with the State Pollution Control Board (SPCB) and additional stations shall be installed, if required, in the downwind direction as well as where maximum ground level concentrations are anticipated.
- (vii) Dedicated scrubbers and stacks of appropriate height as per the Central Pollution Control Board guidelines shall be provided to control the emissions from various vents. The scrubbed water shall be sent to ETP for further treatment.
- (viii) Fugitive emissions in the work zone environment, product, and raw materials storage area shall be regularly monitored. The emissions shall conform to the limits imposed by the State Pollution Control Boards/Central Pollution Control Board.
- (ix) The project authorities shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in October, 1994 and January, 2000 and Hazardous Waste (Management and Handling) Rules, 1989, as amended from time to time. Authorization from the SPCB shall be obtained for collection, treatment, storage, and disposal of hazardous wastes.



- (x) The overall noise levels in and around the plant area shall be kept well within the standards 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 Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- (xi) The company shall develop rain water harvesting structures to harvest the run off water for recharge of ground water.
- (xii) The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment. The eco-development plan should be submitted to the SPCB within three months of receipt of this letter for approval.
- (xiii) The project proponent shall also comply with all the environmental protection measures and safeguards proposed in the EIA/EMP report.
- (xiv) A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- (xv) The project authorities shall earmark adequate funds to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
- ~~(xvi) The implementation of the project vis-à-vis environmental action plans shall be monitored by the concerned Regional Office of the Ministry/SPCB / CPCB. A six monthly compliance status report shall be submitted to monitoring agencies and shall be posted on the website of the Company.~~
- (xvii) 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 SPCB and may also be seen at Website of the Ministry 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 concerned Regional Office of the Ministry.
- (xviii) 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 the project.

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

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



8.0 Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.

9.0 The above conditions will be enforced, inter-alia under the provisions of the Water(Prevention & Control of Pollution) Act,1974, 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.



(H.S. Malviya)
Joint Director

Copy to :-

1. The Secretary, Department of Environment & Forests, Government of Karnataka, Bangalore, Karnataka.
2. The Chairman, Karnataka State Pollution Control Board, Parisar Bhavan, No. 49, 4th & 5th Floor, Church Street, Bangalore ? 560 001, Karnataka.
3. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi -110032.
4. The Chief Conservator of Forests (Central), Regional Office (SZ), Kendriya Sadan, IVth Floor, E&F Wing, 17th Main Road, Koramangala, Bangalore-560034, Karnataka.
5. Adviser, IA-II, 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. Monitoring file.
9. Record file.



(H.S. Malviya)
Joint Director