

NO. SEIAA: 8 : IND: 2009
STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT
AUTHORITY, KARNATAKA
(Constituted by Ministry of Environment & Forests, Government of India)



Department of Ecology & Environment,
Room No.709, 7th Floor, IV-Gate,
M.S.' Building, Bangalore-560 001,

Date: 30th July 2009

To,

M/s. Mangalore Chemicals & Fertilizers Ltd.,
Panambur, Mangalore -575 010.

Sir,

Sub: Installation of Sulphonated Naphthalene
Formaldehyde Plant of capacity 85,000 TPA at
Panambur, Mangalore of M/s. Mangalore Chemicals &
Fertilizers Ltd- issue of Environmental Clearance- reg

This has reference to your applications No. 10602/KSPCB/483 dated 06.03.2009 addressed to the SEIAA seeking prior environmental clearance for the above project under the EIA Notification, 2006. The proposal has been appraised as per prescribed procedure in the light of the provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., the Form 1 and the additional clarifications furnished in response to the observations of the SEAC, Karnataka. SEAC has recommended for issue of environmental clearance in its meetings held on 25th April 2009 & 30th May 2009.

2. The proposal is for installation of Sulphonated Naphthalene Formaldehyde Plant of capacity 85,000 TPA at Panambur, Mangalore. No additional land is required for the project. Water requirement for the proposed unit is 149 KLD. Capital cost of the project is Rs. 85.08 crores.
3. The proposal has been considered by SEIAA in its meeting held on 19th & 20th June 2009 and decided to issue environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:-

A. Specific Conditions:-

1. The project authorities shall ensure zero discharge from the proposed plant. The wastewater generated from the existing plant shall be treated to the standards prescribed by the Karnataka State Pollution Control Board.
2. The project authorities shall not manufacture the raw materials as this plant will be based on mixing process only.

3. The company shall carry out air quality monitoring at vents/stacks and regular monitor the gaseous emission along with particulate matter. The reports shall be submitted to the SEIAA, Karnataka, MoEF Regional Office, Bangalore, KPCB / CPCB.
4. 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 Karnataka State Pollution Control Board.
5. 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 SEIAA, Karnataka, MoEF Regional Office, Bangalore, KPCB / 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.
6. The company shall develop the green belt in 33 % area, out of the total area to mitigate the effect of fugitive emissions and noise as per the guidelines CPCB.
7. 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.
8. Occupational health surveillance of the workers shall be carried out on a regular basis and records shall be maintained as per the Factories Act.
9. The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
10. Provision shall be made for the housing of construction labour within the site with all necessary infrastructures 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.
11. The road from the industry till the nearest main road is be maintained and black topped by the industry.
12. Hazardous area classification shall be followed for electrical and instrumentation fittings in the naphthalene storage area.
13. Naphthalene and formaldehyde shall not be stored along with strong oxidizing agents like sulphuric acid.
14. All spillages shall be prevented from reaching storm water drains with suitable bunding.
15. Work permit system shall be followed strictly.
16. Recommended PPEs to be used while handling chemicals.
17. "No smoking" shall be strictly followed at SNF plant.
18. The project authorities shall ensure that the standards fixed for the effluent and emission are strictly complied with.
19. The project authorities shall ensure that the effluent water recovery unit proposed vide letter dated 20.07.2009 with a technology of M/s Ion Exchange (India) Ltd is installed within 3 months.

20. The proponent shall undertake the following activities towards the social commitment plan made vide letter dated 11.07.2009 with a budget not less than 75.7 lakhs within the period of 2009-10 as committed and report be submitted to the Authority.

- Development/ maintenance of new ecological and environmental initiatives like "Aquatic Park" in Pilikula Nisargadhama.
- Annual maintenance charges for adoption of "Sambar Deer".
- Development of golf course at Pilikula.
- Planting about 2,000 saplings in green belt area.
- Regularly conducting public awareness programmes in the neighbourhood for educating public in environmental and safety aspects.
- The scheme Mangala Rytha Suraksha Vima Yojana for insurance coverage of Rs. 25,000 for farmers in the event of their death or disablement has been implemented.
- Imparting Internet education, health camps for the benefit of neighbouring public, uniforms to School children of Thokur and Kulur Schools.
- Providing computers to Kannada Medium Higher Primary Schools, sanitation facility in schools of nearby villages, play grounds to school children and renovation of school building at Thokur.
- Community development programme, patronizing cultural activities in DK District, Sponsoring rural sports, sponsoring seminars, workshops at neighbouring universities and educational institutions and imparting training to students.

B. GENERAL CONDITIONS :


1. The project authorities shall strictly adhere to the stipulations made by the Karnataka State Pollution Control Board (KSPCB).
2. At no point of 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.
3. No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA/Ministry of Environment and Forests as the case may be. In case of deviations or alterations in the project proposal from those submitted to this Authority for clearance, a fresh reference shall be made to the Authority to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
4. The project authorities shall strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in October 1994 and January 2000. Authorization from the KSPCB shall be obtained for collection, treatment, storage, and disposal of hazardous wastes.

5. 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 and Handling) Rules, 2003. Authorization from the KSPCB must be obtained for collection/treatment/ storage/disposal of hazardous wastes.
6. Energy efficient lighting and devices should be used to the maximum possible extent.
7. 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 Environment (Protection) Act, Rules, 1989 viz. dBA (day time) and 70 dBA (night time).
8. The project proponent shall also comply with all the environmental protection measures and safeguards as per the information provided.
9. The implementation of the project vis-à-vis environmental action plans shall be monitored by the Regional Office of MoEF at Bangalore / KSPCB/ CPCB/ the Department of Ecology & Environment, Government of Karnataka, Bangalore and Regional Director (Environment), Department of Ecology & Environment, Government of Karnataka, Mangalore. A six monthly compliance status report shall be submitted to monitoring agencies.
10. The project proponent should display the conditions prominently at the entrance of the project site on a suitable size board for the information of the public.
11. The project proponent shall inform the public that the project has been accorded environmental clearance by the SEIAA and copies of the clearance letter are available with the KSPCB and may also be seen at Website of SEIAA, Karnataka at <http://seiaa.kar.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 of MoEF at Bangalore / KSPCB/ CPCB/ the Department of Ecology & Environment, Government of Karnataka, Bangalore and Regional Director (Environment), Department of Ecology & Environment, Government of Karnataka, Mangalore.
12. The project authorities shall inform the SEIAA, Karnataka, Regional Office of MoEF at Bangalore / KSPCB/ CPCB/ the Department of Ecology & Environment, Government of Karnataka, Bangalore and Regional Director (Environment), Department of Ecology & Environment, Government of Karnataka, Mangalore, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.

13. The State Environmental Impact Assessment Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time-bound and satisfactory manner.
14. Prior Consent for Establishment for the proposed project must be obtained from KSPCB before commencement of construction.
15. Officials from the Department of Environment and Ecology, Bangalore/ Regional Office of MoEF, Bangalore who would be monitoring the implementation of Environmental safeguards should be given full cooperation, facilities and documents/ data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF / SEIAA should be forwarded to the CCF, Regional Office of MoEF, Bangalore/ Department of Environment and Ecology, Government of Karnataka, Bangalore.
16. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Authority.
17. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the competent authorities.
18. These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, Air (Prevention and Control of Pollution) act 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.
19. A separate environment monitoring cell with suitable qualified staff should be set up for implementation of the stipulated environmental safeguards.
20. Half yearly report on the status of implementation of the stipulated conditions and environmental safeguards should be submitted to SEIAA/MoEF, its Regional Office at Bangalore/CPCB and KSPCB/Department of Ecology and Environment, Government of Karnataka, Bangalore and Regional Director (Environment), Department of Ecology and Environment, Government of Karnataka, Mangalore.
21. Separate funds should be allocated for implementation of environmental protection measures along with item-wise break-up. This cost should be included as part of the project cost. The funds earmarked for the environment protection measures should not be diverted for other purposes and year-wise expenditure should be reported to the Authority.
22. The issue of Environment Clearance doesn't confer any right to the project proponent to operate / run the project without obtaining statutory clearances / sanctions form all other concerned Authorities.

23. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environmental (Protection) Act, 1986.
24. 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.

Yours faithfully,


(KANWERPAL)
Member Secretary,
SEIAA.

Copy to:

1. The Secretary, Ministry of Environment & Forests, Government of India, Paryavaran Bhavan, CGO Complex, Lodi Road, New Delhi-110003.
2. The Secretary, Department of Environment and Ecology, Government of Karnataka, Bangalore.
3. The Member Secretary, Karnataka State Pollution Control Board, Bangalore.
4. Regional Director (Environment), Department of Ecology and Environment, Government of Karnataka, Mangalore.
5. The CCF, Regional Office, Ministry of Environment & Forests (SZ), Kendriya Sadan, IV Floor, E & F wings, 17th Main Road, Koramangala II Block, Bangalore-560 034, Bangalore.
6. Guard File.