

Dr. R.ANNAMALAI,I.F.S.,
DIRECTOR OF ENVIRONMENT AND
MEMBER SECRETARY



STATE LEVEL ENVIRONMENT
IMPACT ASSESSMENT AUTHORITY,
TAMILNADU,
Tamilnadu Pollution Control Board Premises,
76, Mount Salai, Guindy,
Chennai- 600 032.

No.SEIAA/TN/EC/5(f)/003/F-76/2008 Dated: 11.12.2008

To

The President,
M/s Tanfac Industries limited,
14, SIPCOT Industrial Complex,
Cuddalore Dist.

Sir,

Sub : SEIAA - Proposed augmentation within the existing plant – M/s Tanfac Industries limited, No. 14, SIPCOT Industrial Complex, Cuddalore Dist.,
- Environmental Clearance - reg.

This has reference to your application No. Nil dated 5th May, 2008 to the SEIAA, Tamil Nadu along with Form-1 and other details for Proposed augmentation within the existing plant at No. 14, SIPCOT Industrial Complex, Cuddalore District seeking environmental clearance under Environment Impact Assessment Notification, 2006. for the above mentioned project and subsequent correspondence vide letter No. TC/ENVIRON/08-09 dated 25th November, 2008. The proposal has been appraised by the State Level Expert Appraisal Committee as per the prescribed procedure in the light of provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application Viz., the Application Form- I, Pre-feasibility Report, and REIA report and the additional clarifications furnished in response to the observations of the State Level Environment Impact Assessment Authority in its meeting held on 10th November 2008.

It is noted interalia that the project proposal is for Environmental Clearance for the manufacture of i) 4-Isobutyl Acetophenone – 5000 TPA, ii) 3-Phenoxy 4-Fluoro benzaldehyde – 200 TPA, iii) 4,4'-Difluoro benzophenone – 150 TPA, iv) Parabromo flurobenzene – 300 TPA, v) Metabromo anisole – 120 TPA at No.14, SIPCOT Industrial Complex, Cuddalore District by M/s Tanfac Industries limited. The total land area of the project is 60 Acres with built up area of 28 Acres. The total cost of the project is Rs.2350 Lakhs. Water requirement (existing 3325 KLD and additional for expansion 319 KLD) will be sourced from SIPCOT. The wastewater generated from process (Existing 1587 KLD and proposed additional 134.8 KLD) will be treated in the effluent treatment plant provided by M/s Tanfac Industries Limited. Domestic effluent (5 KLD) will be treated in the combined treatment plant. The total power

requirement of the project will be 1 MW which will be sourced from Tamil Nadu Electricity Board and captive power generation. One 125 KVA, two 250 KVA, one 1000 KVA and one 1150 KVA DG sets are installed for emergency purpose. The solid and hazardous waste generated will be disposed to cement industries and common TSD facility of M/s TNWML at Gummudipoondi, Chennai.

The project activity is listed at 5 (f) in the Schedule of EIA Notification, 2006 and is of B2 Category. Public Hearing/consultation not required for the project as it is located in a notified SIPCOT industrial complex at Kudikadu, Cuddalore District. The Chairman & Managing Director, SIPCOT, Chennai - 600008 in his letter dated 25.11.2008 has informed that the manufacture of Synthetic Organic Chemicals is a permitted activity in the SIPCOT Industrial Complex, Cuddalore and that the common infrastructure facilities viz Roads, Water supply, sewer line, STP and Power supply are available.

The SEAC after due consideration of the relevant documents, information furnished by you, has recommended to the SEIAA, Tamil Nadu to grant Environmental Clearance to this project subject to certain conditions. The proposal was considered by SEIAA, Tamil Nadu in its meeting held on 10.11.2008 and as the public consultation is not required for the project, the SEIAA hereby accords Environmental Clearance to the above project under the provisions of EIA Notification dated 14th September, 2006 based on the recommendations of the SEAC subject to the strict compliance of the following terms and conditions:

A. SPECIFIC CONDITIONS - Environment Management Measures

- i. "Consent for Establishment" shall be obtained from the Tamil Nadu Pollution Control Board and a copy shall be furnished to the SEIAA, Tamil Nadu before taking up of any construction activity at the site.
- ii. Domestic effluent and trade effluent generated from the unit shall be treated in the combined effluent treatment plant and the treated effluent shall satisfy the standards prescribed by TNPCB.
- iii. Treated effluent shall be utilized for gardening/green belt development within the premises.
- iv. The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules 1989, as amended in 2000 and the Public Liability Insurance Act for handling of hazardous chemicals etc. Necessary approvals from Chief Controller of Explosives must be obtained before commissioning of the project. Requisite

- On-site and Off-site Disaster Management Plans will be prepared and implemented.
- v. The project authorities shall provide adequate funds both recurring and non-recurring to implement the Environmental Management Measures stipulated by the SEIAA along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purposes.
 - vi. A separate Cell with adequate technically competent staff should be appointed to operate the Environmental Control measures and who should report directly to the top Executive of the plant premises.
 - vii. Regular Ambient Air Quality Monitoring shall be carried out for VOC and HC besides other parameters in ambient air around the Plant. The location and results of existing monitoring stations will be reviewed in consultation with the concerned State Pollution Control Board based on the occurrence of maximum ground level concentration and downwind direction of wind. Additional Stations shall be set up, if required. It shall be ensured that at least one monitoring station is set up in up-wind & in down-wind direction along with those in other directions.
 - viii. Occupational health surveillance of worker shall be done on a regular basis and records maintained as per the Factories Act, 1948.
 - ix. Proper House keeping and adequate occupational health programme shall be taken up. Regular Occupational Health Surveillance Programme for the relevant diseases shall be carried out and the records shall be maintained properly for at least 10 years. Sufficient preventive measures shall be adopted to avoid direct exposure to emission and other Hydrocarbons etc.
 - x. The proponent shall undertake periodical health monitoring of the workers with special reference to the impact on the respiratory and renal system and maintain the document and appropriate monitoring gadget to be deployed to monitor VOC.
 - xi. The overall noise levels in and around the plant area shall be kept well within the standards prescribed by the TNPCB by providing noise control measures 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).
 - xii. HCl, HBr, and vapour emissions from the reactors/process vents shall be provided with suitable scrubbers and condensers. Scrubber efficiency shall be minimum 99%.
 - xiii. Regular monitoring of VOC and HC in the Work Zone Area in the Plant shall be carried out and data be submitted to SEIAA, TNPCB. Quarterly monitoring of fugitive emissions shall be carried out as per the Guidelines of CPCB.

- xiv. The Company shall harvest surface as well as rainwater from the rooftops of the buildings in the project and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water.
- xv. The Proponent shall furnish an undertaking that they will abide by the conditions/recommendations mentioned in the EIA/RA report furnished by them.
- xvi. Greenbelt shall be developed to mitigate the effect of fugitive emission all around the plant in a minimum 30% plant area in consultation with DFO as per CPCB guidelines.
- xvii. ETP sludge (lime sludge) shall be disposed to cement mills and down stream users and Hazardous Solid waste from process shall be sent to TSDF, Gummidipoondi. Handling and disposal of Hazardous waste should comply with TNPCB norms.
- xviii. Stringent odour control measures should be implemented to prevent totally odour nuisance to the neighbourhood population and industrial units in a complete and adequate manner.
- xix. It is mandatory for the project proponent to furnish to the SEIAA, Half yearly compliance report in hard and soft copies on 1st June and 1st December of each calendar year in respect of the conditions stipulated in the prior Environmental clearance.
- xx. The unit has to continue to monitor their new product with appropriate gadgets.

B. GENERAL CONDITIONS:

- i) The Environmental Clearance does not absolve the applicant/proponent of his obligation/requirement to obtain other statutory and administrative clearance from the concerned statutory and administrative authorities.
- ii) No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA. In case of deviations or alterations in the project proposal from those submitted for clearance, a fresh reference shall be made to the SEIAA to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- iii) Occupational health surveillance of the workers shall be carried out on a regular basis and records shall be maintained as per the Factories Act,1948.
- iv) Proper House keeping programmes shall be implemented.
- v) Usage of Personal Protective Equipments (PPEs) by all employees/workers shall be ensured.

- vi) The project proponent shall also comply with all the environmental protection measures and safeguards proposed in the EMP report.
- vii) The project proponent shall advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing the public that
 - i) The project has been accorded Environmental Clearance.
 - ii) Copies of Clearance letters are available with the Tamil Nadu Pollution Control Board.
 - iii) Environmental Clearance may also be seen on the website of the SEIAA.

The advertisement should be issued within 7 days from the date of issue of the clearance letter and a copy of the same shall be forwarded to the SEIAA.

- viii) The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- ix) The SEIAA reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.
- x) 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, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

**Member Secretary,
State Environment Impact
Assessment Authority,
Tamil Nadu.**

Copy to:-

1. The Secretary to Government, Environment & Forests Dept, Govt.of Tamil Nadu, Fort St.George, Chennai-600 009.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD Cum-Office Complex, East Arjun Nagar, New Delhi 110 032.
3. The Member Secretary, Tamil Nadu Pollution Control Board, 76, Mount Salai, Guindy, Chennai-600 032.
4. The CCF, Regional Office, Ministry of Environment & Forest (SZ), Kendriya Sadan, IV floor, E&F wings, 17th Main Road, Koramangala II Block, Bangalore – 560 034.
5. Monitoring Cell, I A Division, Ministry of Environment & Forests, Paryavaran Bhavan, CGO Complex, New Delhi 110 003.
6. Stock File.