

पर्यावरण एवं वन मंत्रालय
GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT & FORESTS

No. J-11011/8/92-IA.II

E.O.C.P)

11-Annexure

2/11/92

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पर्यावरण भवन, सी. जी. ओ. कॉम्प्लेक्स,
PARYAVARAN BHAVAN, C.G.O. COMPLEX,

लोदी रोड, नई दिल्ली-110003
LODI ROAD, NEW DELHI-110003

October 22, 1992

OFFICE MEMORANDUM

Subject:- Setting up of additional facilities for manufacture of 900 TPD ammonia, 1000 TPD nitric acid and 1000 TPD of nitrophosphate fertilizer, 1074 TPD calcium ammonium nitrate and 8 TPD of dimethyl acetamide, at Thal - environmental clearance ref.

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This has reference to letter No. TS/PC/EIA-THAL/PROG/72 dated 3rd March, 1992 and subsequent letter of even number dated 2nd September, 1992 from Chief Engineer (Env.), Rashtriya Chemical and Fertilizers Ltd., Bombay.

The underlined is directed to refer to the above proposal and to state that the environmental aspects of the proposed units at Thal of the project is cleared from the environment and to subject to the implementation of the following conditions and environmental safeguards:

- i. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and State Govt.
- ii. No unit within the above complex should be started without prior approval of this Ministry.
- iii. The gaseous emissions (NH_3 , NO_x , hydrocarbons, carbonates etc.)/units should conform to the standards prescribed by the concerned authorities, from time to time. At no time, the emission levels should go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the units, the respective unit should be put out of the operation immediately and should not be restarted until the control measures are rectified to achieve the desired efficiency.

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- iv. At least three ambient air quality monitoring stations should be set up in the down-wind direct as well as where maximum ground level of NO_x , SO_2 , NH_3 and HC are anticipated in consultation with the State Pollution Control Board. In addition to this, one mobile ambient air quality monitoring station with adequate facilities to monitor the ambient air outside the plant premises should be provided. The air quality monitoring stations should be selected on the basis of modelling exercise to represent short-term ground level concentrations, human settlements, sensitive targets etc.

Stack emissions should be monitored by setting up automatic continuous stack monitoring in consultation with the State Pollution Control Board, Maharashtra.

Data on stack emissions and ambient air quality should be submitted to this Ministry once in six months and to the State Pollution Control Board once in three months along with the statistical analysis.

- v. Fugitive emissions should be controlled, regularly monitored and data recorded.
- vi. Low NO_x burners should be used to limit NO_x emissions, as per standard prescribed by SPCB.
- vii. Industry should provide separate outlets for storm water, waste water and process effluents.

Waste water from the raw water treatment plant DM plant and the boiler blow down should not be allowed to mix up with the ammonia and urea plant effluent. Proper segregation of effluent should be done.

- viii. Total liquid effluent load after the proposed expansion should not exceed the present level.

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- ix. Oil bearing waste waters should be treated for removal of oily matter before discharge and oil traps should be properly maintained so as to conform to the prescribed standards.
- x. The project authorities should recycle the waste water to the maximum extent possible and the liquid effluent coming out of the plant should conform to the standards stipulated by the Maharashtra State Pollution Control Board/prescribed in the Environment (Protection) Act, 1986.
- xi. Guard Ponds of sufficient holding capacity should be provided to cope up with the effluents discharged during the process disturbances. The contributing units should be immediately shut down and should not be restarted without bringing the system back to normalcy.
- xii. Adequate number of effluent quality monitoring stations should be set up in consultation with the State Pollution Control Board. Regular monitoring should be carried out for nitrogen compounds, cyanide, phosphate, oil and grease, SS, fluoride, sulphate, hexavalent chromium (hexavalent as well as trivalent) along with statistical analysis and interpretation in the form of a report should be submitted to this Ministry once in six months and to the State Pollution Control Board once in three months.
- xiii. The hazardous wastes should be handled as per Hazardous Waste Management and Handling Rule, 1989 of the Environment (Protection) Act, 1986.
- xiv. A study on impact on Fisheries as a result of the discharge of effluents should be carried out and report submitted to this Ministry within one year.
- xv. A comprehensive EIA should be carried out for the entire Thal complex including the proposed additional facilities and report should be made available to this Ministry within one year. While

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assessing impact of air pollutants, impact on
Karnala Bird Sanctuary should also be estimated.

- xvi. A detailed risk analysis based on maximum credible accident analysis should be done for the entire Thal complex once the process design and the lay out is finalised. Based on this, a Disaster Management Plan has to be prepared and after approval by the concerned nodal agency should be submitted to this Ministry.
- xvii. Final report of the Blatter Harbarium, Bombay on green belt development should be submitted to this Ministry at the earliest.
- xviii. The project authorities should provide details of the control equipment and technology to be adopted to control fluoride and NO_x emissions.
- xix. The project authorities must set up laboratory facilities for collection and analysis of samples under supervision of competent technical personnel, who will directly report to the Chief Executive.
- xx. A separate Environmental Management Cell with suitably qualified people to carry out various tasks should be set up under the control of Senior Management, who will report directly to the Head of the organisation.
- xxi. Periodic medical check up of the workers should be done and record maintained.
- xxii. Environmental audit for RSP Thal and Chembur should be got done by nodal agency to be appointed in consultation with this Ministry and report submitted within six months.
- xxiii. The funds earmarked for the environmental protection measures should not be diverted for other purposes and yearwise expenditure should be reported to this Ministry.

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The project authorities must take adequate measures for reduction of ammonia emissions and decolouration of new nitric acid plant stack gases at Chembur plant. NO_x levels should be reduced to 50% of the prescribed limits. This should be achieved within two years from now.

This Ministry or any other competent authority may stipulate any further condition(s) on receiving comprehensive EIA, Risk assessment report, green development plan etc. prepared by the project authorities.

The Ministry may revoke clearance, if implementation of the conditions is not satisfactory.

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, Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

(K.K. Jain)
Jt. Director

Copy to:

1. Chairman-cum-Managing Director, Rashtriya Chemicals and Fertilizers Ltd., Paryadarshini, Eastern Express, Highway, Sion, Bombay-20.
2. Chairman, Maharashtra Pollution Control Board, CFC Bldg., 3rd Floor, Above Marble Estate, P.O. Wazale Estate, Thane.
3. Chairman, Central Pollution Control Board, Parivesh Bhavan, CGO Complex, Old Secretariat, Connaught Place, New Delhi.
4. Chief Conservator of Forests, Regional Office, E-2/240, Arera Colony, Bhopal-462016
5. Director, Regional Offices, Ministry of Env. & Forests, New Delhi.
6. Adviser(PAD), Planning Commission, Yojana Bhavan, New Delhi
7. Adviser(PE), Planning Commission, Yojana Bhavan, New Delhi
8. Jt. Secy(Plan Finance), Deptt. of Expenditure, North Block, New Delhi.
9. Guard File.
10. Monitoring File.
11. Record File.

(K.K. Jain)
Jt. Director