

**TATA CHEMICALS LIMITED, FERTILISER DIVISION, BABRALA (U.P.)**

**MINISTRY OF ENVIRONMENT & FOREST  
COMPLIANCE REPORT ON NOC CONDITIONS**

- 1. The project authority must strictly adhere to the stipulation made by Uttar Pradesh State Pollution Control Board**

Industry is complying all the stipulations of UPPCB. Consent orders for Air & water has been renewed by UPPCB up to Dec-2008. Post Debotleneck project consent renewal is awaited from UPPCB.

- 2. The emissions from various process unit must conform to the standards prescribed by the Government or the Central/State Pollution Control Board. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure or any pollution control system adopted by the unit, the respective unit should be put out of operation immediately and should not be restarted until the control systems are rectified to achieve the desired efficiency.**

Emission from various stacks / prilling tower conforms to standards stipulated by UPPCB, Monthly, Quarterly and yearly reports are being submitted to MoEF Regional office and UPPCB.

- 3. The project authority must conform to the standards prescribed for Urea dust emissions from Urea Prilling Tower by the Central/State Pollution Control Board**

Urea dust emissions conforms to the standards, stipulated by UPPCB. Compliance reports are submitted to MOEF and UPPCB periodically.

- 4. The project authority must explore the possibility of recycling the waste water to the maximum extent possible. The liquid effluent coming out of the fertiliser complex should strictly conform to the standards prescribed by the State Government or Central Pollution Control Board before its discharge to the perennial rivulet. The process plant effluent should be discharged through pipelines/covered drains.**

Effluents generated in Urea & ammonia plants are treated within the respective plants and treated waste water is recycled & used as boiler feed water after minor treatment in DM plant. More than 80% waste water is recycled back to the process & remaining waste water is being used for horticulture & conforms to standards stipulated by State / Central Pollution Board.

- 5. The project authority must prepare a well designed scheme for solid waste disposal generated during various process operations or in the treatment plant. The plan for disposal should be submitted to this Ministry within a period of 03 months for review.**

LDPE lined concrete pit has been provided for the storage of spent catalysts, generated from process & sold to the authorised vendors From CPCB and MoEF registered recyclers & Reprocessors

- 6. The project authority must keep Ammonia storage to the minimum in a well designed and well protected Hortonsphers/Storage tank which should conform to the stipulations made by Chief Inspector of Factories of the State Government. At no time the Ammonia Storage quantity shall exceed more then seven days requirement.**

Two Number of well designed & well protected storage tanks have been provided for the storage of ammonia. Ammonia storage quantity does not exceed more than seven days requirement at any time.

7. **No change in design of stacks should be made without the prior approval of State Pollution Control Board. Alternate Pollution Control System and proper design (steam injection system) in the stacks should be provided to minimise the excess emissions due to failure in any system in the plant. The project authority will provide proper control system for abnormal emissions during start up or shut down operations.**

No change in design shall be made without prior approval of state pollution Control Board. Steam injection system has been provided in the main flare stack to minimise the emissions during the failure of any system in the plant

8. **A minimum of five air quality monitoring stations will be set up at different locations within the plant and in the nearby areas. The air quality will be monitored as per standard procedure on a weekly interval basis. All the stacks of the plant will be provided with continuous automatic stack monitoring equipment and stack emission levels will be recorded and submitted to the State Pollution Control Board once in three months and this Ministry once in six months. The air quality monitoring stations should be selected on the basis of modelling exercise to represent the short terms ground level concentration.**

Five ambient air quality monitoring stations have been provided and ambient air quality is monitored twice in a week with standard procedures. Monitoring reports are being submitted regularly to UPPCB & MoEF on monthly, quarterly & Six monthly basis. We have installed on line analysers in captive power plant, HRU-I & HRU-II stacks. Ambient air quality Monitoring stations have been provided on the basis of modelling exercise.

9. **The liquid effluent quality must be measured on a daily basis. A minimum of five water quality monitoring stations must be set up in consultation with the State Pollution Control Board. If the effluent quality at any time, exceeds the standards prescribed, the corresponding units of the plant which are contributing to the excessive pollutant load quality of pollutants discharged from the unit are brought down to the required levels.**

Five Water monitoring stations have been set up with the consultation of Regional Officer, Pollution Control Board, Bareilly and pollution load is much below than the stipulated standards.

10. **The ground water quality of this particular area will be measured at a few locations near the plant site and later once in month at the same points. The points should be selected in consultation with State/Central Ground Water Board. Data with regard to the ground water availability, its use for different purposes and recharge capacity should be compiled and submitted to this Ministry within six months.**

The ground water quality is monitored on monthly basis. Approval from State ground water board has been taken.

11. **A Disaster Management Plan duly approved by the NODAL agency should be submitted within a period of six months.**

Disaster Management plan has been submitted to the Nodal Agency (Director of Factories, Kanpur) but their approval is awaited. We have also approached to the MOEF, New Delhi to Waive Off this condition.

12. **An exclusion zone of four kilometers as notified by the Government of Uttar Pradesh under Section 3(3) of the Uttar Pradesh (Construction Works Regulations) Act, 1988 for stopping unsystematic distribution of land and unplanned construction of buildings must be strictly followed in consultation with U.P. Government.**

Construction of the buildings and land distribution the exclusion zone is under the control of District Authorities.

13. **The project authority must develop a green belt of 100 meter wide in keeping with the design submitted in EIA report of December, 1988.**

We have provided 100 meter wide green belt around the periphery of the complex.

14. **The project authority must set up full-fledged laboratory with the required facilities for collection and analysis of samples.**

A full fledged laboratory has been set up in the fertilizer complex with required facilities and experienced person.

15. **The additional area under the control of the company which is not being used for plant utilities may be afforested and funds for this purpose should be suitably provided.**

Additional area lying outside will be returned back to the UPSIDC.

16. **A separate environmental management cell with suitably qualified people to carry out various functions related to environmental management should be set up under the control of a senior technical person who will directly report to the head of organisation**

A separate Environmental Management cell has been set up with suitable qualified & experienced persons under control of senior technical person who reports directly to the head of organisation

17. **Rehabilitation plan and its implementation schedule for the people displaced due to the proposed project will be submitted to this Ministry within three months for review.**

Rehabilitation plan has been prepared and submitted to your office. Pl refer our letter No.TCL/FD/EMC/53/99 dated 05.07.99.

18. **Adequate fund provision (capital and recurring expenditure) should be made for the implementation of above stipulations and this should not be diverted for any other purposes.**

Adequate fund provisions are made for the implementation of above conditions.

19. **The ministry of environment & Forest or any other competent authority may stipulate any further condition after reviewing the impact assessment report or any other report prepared by the project authorities.**

We agree

20. **The above condition will be enforced, inter alia, under the Water (Prevention & Control of Pollution) Act 1971, The Air (Prevention & Control of Pollution) Act 1986.**

We agree

21. **The ministry reserve the rights to vary the conditions or withdraw the clearance as and when necessary in the interest of Environmental pollution.**

We agree

22. **Others**

Industry has been awarded 5 Star Rating on Environment Sustainability by British Safety Council, UK.

Industry has been certified for RC-14001, ISO-14001 & OHSAS- 18001

Off- Site Emergency Plan has been prepared for Badaun District under guidance of District collector, Badaun, Offsite Mock drill was conducted by District authorities.

Some of the improvements like concrete flooring for spent lube oil storage area, pits for biodegradable and non-biodegradable waste from plant have been provided.