



**STATE EXPERT APPRAISAL COMMITTEE, PUNJAB**  
**Ministry of Environment and Forests, Government of India**

O/O Punjab Pollution Control Board,  
Vatavaran Bhawan, Nabha Road,  
Patiala – 147 001  
Telefax:- 0175-2215802

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**No. SEAC/143/18778**

**Dated 25/5/2009**

**Speed Post**

To

M/s N.G. Chemicals & Fertilizers,  
1343/4, Jawahar Nagar,  
Distt. Moga – 142 001.

**Sub: Application for grant of environmental clearance for industrial project to be developed at Vill. Ghal Kalan, Distt. Moga by M/s N.G. Chemicals & Fertilizers.**

This has reference to your application for grant of environmental clearance for industrial project for manufacturing of Zinc Ingots @ 1050 MT/year, Zinc Ash @ 1050 MT/year and Zinc Sulphate @ 750 MT/year to be developed at Vill. Ghal Kalan, Distt. Moga. The case was considered in the 22<sup>nd</sup> meeting of State Expert Appraisal Committee held on 9/5/2009.

After the detailed deliberations on the project, the Committee decided to categorize the project into category B-1 and approved the following Terms of Reference for Environmental Impact Assessment Study of the proposed project:-

- 1 Present land use based on satellite imagery. Study area should be 10Km radius. Socio-economic development activities.
- 2 Site-specific micro-meteorological data including inversion height and mixing height.
- 3 Data on existing air, water, soil & noise etc.
- 4 Ambient air quality monitoring (minimum 8 locations) modeling for plant.
- 5 Sources of secondary emissions, its control and monitoring as per the CPCB guidelines.
- 6 Provision of details of air pollution control equipment.

- 7 The industry proposes to scrub air emissions. It shall provide a suitable treatment system to treat the wastewater, to be shed from the recirculation system before discharging any where.
- 8 Chemical characterization of RSPM and incorporation of RSPM data.
- 9 One-month data for gaseous emissions for winter season.
- 10 Water balance data including quantity of effluent to be generated, recycled and reused and discharged.
- 11 Permission for withdrawal of water should be obtained.
- 12 Efforts be made to minimize use of ground water. A chapter on hydrology study by the State Govt. may be included. Ground water monitoring minimum at 8 locations.
- 13 Surface as well as roof top rainwater harvesting and ground water recharge.
- 14 Scheme of proper storage and handling of raw materials. Details of raw material, their sources and mode of transportation.
- 15 Risk assessment and damage control.
- 16 Occupational health of the workers.
- 17 Green belt (minimum 33%) development plan as per CPCB guidelines. EMP should include a clear map for plantation/green belt.
- 18 Details of location of wildlife sanctuary and national parks within 10 km radius of the plant.
- 19 Detailed Environment management Plan (EMP) with specific reference to air pollution control system, water management, monitoring frequency, responsibility and time bound implementation plan.
- 20 EMP should include the concept of waste-minimisation, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
- 21 The issues raised during public hearing and public consultation should be presented in Tabular chart after incorporating and addressing the each issue.

The industry should prepare draft EIA / EMP Report for its project based on above Terms of Reference (TOR) and apply to the Chairman, Punjab Pollution Control Board for conducting public hearing as per EIA Notification, 2006 on submitting EIA / EMP prepared by the industry as per TORs.

After completing the process of public hearing / public consultation, the industry should submit final EIA / EMP Report alongwith Executive Summary to the State Expert Appraisal Committee after incorporating all the issues raised during public hearing / public consultation for Appraisal of its project.

**(Malvinder Singh)**  
**Secretary (SEAC)**

**Endst. No.** \_\_\_\_\_

**Dated** \_\_\_\_\_

A copy of the above is forwarded to the following for information and necessary action :-

1. The Secretary to Govt. of India, Ministry of Environment & Forests, Govt. of India, CGO Complex, Lodhi Road, New Delhi.
2. The Director, Northern Regional Office, Ministry of Environment & Forests, Bays No. 24-25, Sector 31-A, Dakshin Marg, Chandigarh.
3. The Member Secretary, State Environment Impact Assessment Authority, Vatavaran Bhawan, Nabha Road, Patiala.
4. The Member Secretary, Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala.
5. The Senior Environmental Engineer (Computer), Punjab Pollution Control Board, Head Office, Patiala. He is requested to display the approved Terms of Reference given to the industry on the website of State Environment Impact Assessment Authority.

**(Malvinder Singh)**  
**Secretary (SEAC)**