

P.V. Rao
for information
29/9/16



F. No. J-11011/158/2016- IA II (I)
Government of India
Ministry of Environment, Forest and Climate Change
(I.A. Division)

Indira Paryavaran Bhawan
Aliganj, Jorbagh Road,
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Dated: 10th September 2016

To,
✓ Shri M K Sankaranayanmoorthi
Senior Associate Vice & Head- Manufacturing
M/s Coromandel International Ltd.
Beach Road, Kakinada, East Godavari District
Andhra Pradesh

E-mail: mail@coromandel.murugappa.com ; Fax No.- 0884-2302419

Subject: Enhancement of complex fertilizer plant capacity from 3200 MTPD to 4500 MTPD in existing facility at Kakinada, East Godavari District, Andhra Pradesh by M/s Coromandel Fertilizers Ltd.- Installation of LPG facilities in the Existing Fertilizer Plant-Environmental Clearance reg.

Ref.: Your online proposal no. IA/AP/IND/18717/1910 dated 5th January, 2016.

Sir,
This has reference to online proposal no. IA/AP/IND2/32218/2014 dated 14th December 2015 alongwith project documents including Form I, Terms of References, Pre-feasibility Report, EIA/EMP Report alongwith Public hearing Report regarding above mentioned project.

2.0 The Ministry of Environment, Forests and Climate Change has examined the application. It is noted that the existing facility was accorded Environmental Clearance (MoEF Ref: J- 11011/381/2006-IA-II [I] dated 11.05.2007) for the production of 4.25 lakh MTPA NPK Grade Fertilizers by installation of Train C at existing plant and again the facility was accorded Environmental Clearance on 11th June 2008 (J-11011/1303/2007-IA-II [I] dated 11.05.2008) for the Enhancement of Complex fertilizer plant capacity from 3200 MTPD (10 lakh MTPA) to 4500 MTPD (15 lakh MTPA) by expansion of the Train A & B in the existing facility at Kakinada.

3.0 M/s Coromandel Fertilizers Ltd. has proposed the following LPG facilities to be installed at the existing facility:

- (i) Installation of 3x100 MT LPG Mounded tanks with necessary passive and active safety systems as per OISD 144 and 150 standards.

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- (ii) LPG Truck Unloading Bay – vacuum type LPG unloading facility will be installed to avoid any spills and leakage of the LPG during the unloading operations.
- (iii) LPG at 17 bar pressure will be expanded in the gasification module attached to the LPG tanks. The rarefied gas 6 bar pressure will be supplied to the existing NG line through a 4 inch pipeline. x 3 inch LPG supply line will be connected to the existing NG supply line with an isolation valve

4.0 There will be no change in production capacities of fertilizer plant and process units as well as utilities. Total plant area is 437.25 acre of which area earmarked for greenbelt is 295 acres. Cost of project is Rs. 910 Lakh. Total existing water requirement from Kakinada Municipal Corporation is 1365 m³/day. No additional water requirement for the proposed project. Sewage will be treated in the STP. Waste oil and used batteries from the DG sets are sent to authorize recyclers.

5.0 Public Hearing / Public Consultation was exempted as per para 7 (ii) of EIA Notification, 2006.

6.0 All the Fertilizer Plant are listed at S.N. 5(a) under Category 'A' and appraised at the Central level.

7.0 The proposal was considered by the Expert Appraisal Committee (Industry) in its meetings held during 20th-21st April, 2015 and 30th March-2nd April, 2016 respectively. Project Proponent and the EIA Consultant namely M/s Cholamadlam MS Risk Service, have presented EIA / EMP report as per the TOR. EAC has found the EIA / EMP Report and additional information to be satisfactory and in full consonance with the presented TORs. The Committee recommended the proposal for environmental clearance.

8.0 Based on the information submitted by the project proponent, the Ministry of Environment and Forests hereby accords environmental clearance to above project under the provisions of EIA Notification dated 14th September 2006, subject to the compliance of the following Specific and General Conditions:

A. SPECIFIC CONDITIONS:

- i) Adequate buffer zone around the storage tankages, as may be required as per OISD or other statutory requirements.
- ii) Total fresh water requirement from Kakinada Municipal Corporation water supply shall not exceed 1365 m³/day and prior permission should be obtained from the concerned Authority.
- iii) Industrial effluent shall be treated in ETP and treated effluent shall be recycle/reuse in process and horticulture purpose to maintain Zero effluent discharge concept.
- iv) Automatic /online monitoring system (24 x 7 monitoring devices) for flow, and relevant pollutants (i.e. pH, ammonical nitrogen, nitrate nitrogen etc) shall be provided with high level alarm system. The data to be made available to the respective SPCB, CPCB and in the Company's website.
- v) Storm water should pass through efficient oil and grease catchers to trap leaked oil and grease.

- vi) Oil Industry Safety Directorate guidelines regarding safety against fire, spillage, pollution control etc. shall be followed. Company should ensure no oil spillage occur during loading / unloading of petroleum products.
- vii) 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. All the hazardous waste shall be properly treated and disposed of in accordance with the Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules 2008 and its subsequent amendments.
- viii) Necessary approvals from Chief Controller of Explosives must be obtained before commission of project. Requisite On-site and Off-site Disaster Management Plans will be prepared and implemented.
- ix) The company shall obtain all requisite clearances for fire safety and explosives and shall comply with the stipulation made by the respective authorities.
- x) All storage tanks shall be provided with design features based on applicable OISD standards.
- xi) Emergency Response Plan shall be based on the guidelines prepared by OISD, DGMS and Govt. of India. Mock drill shall be conducted once in a month.
- xii) Occupational health surveillance of worker shall be done on a regular basis and records maintained as per the Factory Act.
- xiii) At least 10 meter wide thick green belt shall be developed on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
- xiv) The Company shall harvest surface as well as rainwater from the rooftops of the buildings proposed 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) All the recommendations mentioned in the EMP/DMP shall be implemented.

B. GENERAL CONDITIONS:

- i. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board (SPCB), State Government and any other statutory authority.
- ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- iii. The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.

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- iv. The overall noise levels in and around the plant area shall be kept well within the standards 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, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- v. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.
- vi. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
- vii. Usage of Personnel Protection Equipments (PPEs) by all employees/ workers shall be ensured.
- viii. The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.
- ix. The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.
- x. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- xi. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- xii. As proposed, the company shall earmark sufficient funds towards capital cost and recurring cost/annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
- xiii. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from who suggestions/ representations, if any, were received while processing the proposal.
- xiv. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the AP Pollution Control Board. A copy of Environmental Clearance and six monthly compliance status reports shall be posted on the website of the company.
- xv. The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the


status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

- xvi. The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at <http://envfor.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 concerned Regional Office of the Ministry.
- xvii. The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.

9.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

10.0 The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.

11.0 The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986 Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.


(Lalit Bokolia)
Additional Director

Copy to :-

1. The Principal Secretary, Department of Environment, Forest, Science & Technology, Government of AP, Hyderabad, A.P.
2. The Chief Conservator of Forests, Regional Office (Southern Zone, Bangalore) Kendriya Sadan, 4th Floor, E&F Wing, 11 Block Koramangala, Bangalore-560034.
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
4. The Chairman, AP Pollution Control Board, Paryavaran Bhawan, A-III, Industrial Estate, Sanath Nagar, Hyderabad - A.P.
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhavan, Jorbagh Road, New Delhi.
6. Guard File/Monitoring File/Record File.


(Lalit Bokolia)
Additional Director