

J-11011/166/2016-IA II (I)
Government of India
Ministry of Environment, Forest and Climate Change
(I.A. Division)

Indira Paryavaran Bhawan
Jor bagh Road, N Delhi - 3
Dated: 31st July, 2017

To,

M/s Hindustan Urvarak and Rasayan Ltd (HURL)
Core-2, 2nd Floor, SCOPE Minar,
Laxmi Nagar, District Centre,
Delhi - 92

Sub: Ammonia-Urea Fertilizer Project (Ammonia-2200 MTPD; Urea 3850 MTPD) in District Gorakhpur (Uttar Pradesh) by M/s Hindustan Urvarak and Rasayan Ltd (HURL) - Environmental Clearance - reg.

Ref: Online proposal no. IA/UP/IND2/54269/2016 dated 5th May, 2016.

Sir,

This has reference to your online proposal IA/UP/IND2/54269/2016 dated 5th May, 2016 with EIA/EMP Report for grant of Environment Clearance to the above project.

2. The Ministry has examined the proposal for grant of Environment Clearance to the Ammonia-Urea Fertilizer project (Ammonia-2200 MTPD; Urea-850 MTPD) in an area of 600 acres at Tehsil Gorakhpur, District Gorakhpur (UP) by M/s Hindustan Urvarak and Rasayan Ltd (HURL).

3. The details of the proposed products and the storage facilities are as under:-

(a) Proposed Products

S. No.	Product	Capacity (MTPD)
1	Ammonia	2,200
2	Urea	3,850

(b) Storage Facilities

S. No.	Facility	Capacity
1	Ammonia Storage (Atm.)	(2x5000) MT
2	Silo	40000 MT
3	Empty Bag Storage	2.0 Million
4	Bagged Storage	1000 MT
5	Bagging Plant	(6+1) Slats of 60 MTPH each

4. The project shall be implemented as revival of the sick fertilizer plant at the said premises, earlier operated by M/s Fertilizer Corporation of India Limited. No additional land will be required for proposed project. The estimated project cost is Rs.5825.27 crores. The funds earmarked for environmental pollution control measures will be Rs. 200 crores and the recurring cost (operation and maintenance) will be about Rs.5 crores per annum.

skh

5. Total water requirement for the project is estimated to be 26400 cum per day (includes process water requirement of 20664 cum per day), which is proposed to be met from one nearby surface water source namely Chilwa Tal. Treated effluent of 150 m³/hr shall be treated through proposed Effluent Treatment Plant based on zero liquid discharge system.

Power requirement will be 23 MW and will be met from GTG (2x15 MW ISO rating). Proposed unit shall have 1(One) DG sets of 2000 KVA capacity and are used as standby during power failure. Stack (height- 8.5 m) will be provided as per CPCB norms to the proposed DG sets of 2000 KVA which will be used as standby during power failure .

One service boiler of capacity 85 TPH shall be installed for meeting the steam requirement at startup during operation service boiler will not operate. Natural gas will be used as boiler fuel.

Urea shall be produced in the form of neem coated prilled Urea. Total requirement of neem oil has been envisaged to be 56.16 Kg/hr.

Emission from GTG shall be reduced by installation of ultra low NOx burner and conc. of <1 µg/m³ of shall be added to GLC.

Spent catalyst shall be disposed off through registered recyclers. The used resin, active carbon and sand from water treatment plant (pretreatment, DM & Condensate polishing unit) will be disposed off as per the standard practices (or land-fill procedure). Bio-degradable waste generated from office, canteen & township shall be sent to composting yard for its use as manure in green development & maintenance.

6. It is reported that no national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves and Wildlife Corridors etc. lies within 10 km distance. Bangin PF is situated at a distance of 2.5 km and Hitilkonia RF is situated at a distance of 8.5 km from the project site. Rohin River is flowing at a distance of 3.2 km and Rapti River is flowing at a distance of 8 km from the project site respectively.

7. The ToR for the project was issued on 12th July, 2016 in favour of M/s Fertilizer Corporation of India Limited, which was later transferred to M/s HURL vide letter dated 13th June, 2017. Public Hearing for the project was conducted by the U P Pollution Control Board on 24th April, 2017.

8. All Chemical Fertilizer units are listed at S.N. 5(a) under category 'A' and appraised at Central level.

9. The proposal was considered by the Expert Appraisal Committee (Industry) in its 24th meeting held during 14-16 June, 2017. Project Proponent and the EIA Consultant namely M/s Projects & Development India Ltd has presented EIA / EMP report as per the ToR. The Committee has found the EIA/EMP Report to be satisfactory and in line with the ToRs. The Committee recommended the proposal for environmental clearance.

10. Based on the information submitted by the project proponent and recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to above project under the provisions of the EIA Notification, 2006, subject to the compliance of the Specific and General conditions as under :-

A. Specific Conditions

- (i) Adequate stack height shall be provided to DG sets.
- (ii) Scrubbers shall be provided to all emissions sources.

SH

- (iii) Fresh water requirement shall not exceed 5.36 m³/ ton of Urea production. Fresh water shall be sourced only from Chilwa Tal.
- (iv) Plantation activity shall be carried out around the Chilwa Tal.
- (v) As proposed, no effluent from plant shall be discharged outside the plant premises and Zero discharge shall be adopted. Water consumption shall be reduced by adopting 3 R's (reduce, reuse and recycle) concept in the process.
- (vi) Industry shall develop Greenbelt with 10 m width along the plant periphery with three layers of perennial native plant species. 33% of the total project cover area i.e., 130 acres out of 350 acres of area of the project, shall be developed as green area with plantation of native perennial trees.
- (vii) A plan shall be prepared and implemented for the conservation of Chilwa Taal giving special emphasis on protection of conservation of its natural recharge channels.
- (viii) All the commitments made during the Public Hearing/Public Consultation meeting held on 24th April, 2017 shall be satisfactorily implemented and adequate budget provision shall be made accordingly.
- (ix) At least 2.5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/details shall be prepared and submitted to the Ministry's Regional Office at Lucknow. Implementation of such program shall be ensured accordingly in a time bound manner within 5 years. The ESC plan will include following activities:
 - a. Setting up of a Multi Specialty Hospital with free of cost treatment for residents of local villages located within 5 km radius of the plant.
 - b. Upgradation of existing school with modern education facilities.
 - c. Planting of 5000 trees/year till 5 years in nearby villages in consultation with the local/forest dept. Survival rate of plants shall be reported to RO, MoEF&CC in 6 monthly compliance report. Conservation Plan for shall be continue with.
 - d. Safe drinking water facility with RO plant in villages located with 3 km radius of the plant with maintenance cost.
- (x) A regular environment manager having post graduate qualification in environmental sciences/ environmental engineering to be appointed for looking after the environmental management activities of the proposed plant.
- (xi) Continuous online (24x7) monitoring to be installed for flow measurement and measurement of pollutants within the treatment unit. Data to be uploaded on company's website and provided to the respective RO of MEF&CC, CPCB and SPCB.
- (xii) The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms. The Ammonia storage will be limited to 2 days.
- (xiii) Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- (xiv) Storage of hazardous raw material shall not exceed more than 7 days.
- (xv) Urea dust shall be controlled by prescribed standard technique.

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

SH

- 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 station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.
 - (iv) The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.
 - (v) 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).
 - (vi) 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.
 - (vii) 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.
 - (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) The company shall earmark sufficient funds towards capital cost and recurring cost per 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 whom 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 SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.


SH

- (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://moef.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.

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


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

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


31/7/2017
(S K Srivastava)
Scientist E

Copy to:

1. The Principal Secretary, Department of Environment, Government of Uttar Pradesh, Bapu Bhawan, Sachivalaya, Lucknow (UP)
2. The Chief Conservator of Forests, Regional Office (Central Zone, Lucknow) Kendriya Bhavan, 5th Floor, Sector-H, Aliganj, Lucknow (UP)
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, N Delhi - 32
4. The Chairman, Uttar Pradesh Pollution Control Board, PICUP Bhawan, Vibhuti Khand, Gomti Nagar, Lucknow - (UP)
5. Monitoring Cell, MoEF&CC, Indira Paryavaran Bhavan, Jor Bagh road, New Delhi.
6. Guard File/Monitoring File/Record File


31/7/2017
(S K Srivastava)
Scientist E