

State Environment Impact Assessment Authority, M.P.
(Government of India, Ministry of Environment & Forests)

Research and Development Wing
Madhya Pradesh Pollution Control Board
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No:1301/EPCO-SEIAA/ 12
Date:14-3-12

To,
M/s Krishna Phoschem Ltd,
127, Rachna Nagar,
Bhopal

Sub: Case No. 602/2010, Prior Environmental Clearance for single super phosphate powder of production capacity of 1,20,000 TPA and granulated single super phosphate of 90,000 TPA in the existing premises of rock phosphate beneficiation plant of 1,00,000 TPA capacity in the plot No. 118-B, 119, 120 Meghnagar Industrial Area, Tehsil Jhabua, Distt-Jhabua, M.P. by M/s Krishna Phoschem Ltd, 127, Rachna Nagar, Bhopal.

This has reference to your letter No. Nil dated 20.11.2010 received in the SEIAA office on 27.11.2010 and subsequent letters seeking Prior Environmental Clearance for the above project under the EIA Notification, 2006. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., the Form I, ToR and pre-feasibility report and subsequently submission of EIA report, public hearing document and the additional clarifications furnished in response to the observations of the State Expert Appraisal Committee (SEAC) and Environment Impact Assessment Authority (SEIAA) constituted by competent Authority.

ii. It has been noted that the proposal is for single super phosphate and granulated single super phosphate plant in the existing premises of rock phosphate beneficiation at Plot No. 118-B, 119, 120, Meghnagar Industrial Area, Tehsil Jhabua, Distt-Jhabua,. It is located at 22^o 54' 13" N and 74^o 32' 45" E. The total plant area is 7.60 ha. Out of this area for SSP / GSSP plant is 0.75 ha. The nearest Town Meghnagar is 2.5 KM. The plant site is 13.4 km away from NH-59. The Anas river is about 5.2 km away from the site. There are no Wildlife Sanctuaries, National Parks, and Tiger Reserves within 10 km of the boundary.

The total production capacity of single super phosphate powder is 1,20,000 TPA and that of granulated single super phosphate is 90,000 TPA. The raw material consumption shall include rock phosphate (slurry) of 0.57 Tonnes from existing BRP plant & sulfuric acid (98%) of 0.36 T.

The additional fresh water requirement will be 185 KLD, which will be met through AKVN supply. The consent for supply of water has been provided by the AKVN for this. Consumption of process water for SSP unit is 96 KLD, for GSSP is 48 KLD (Domestic 05 KLD & scrubber (make-up) 20 KLD), miscellaneous (plantation) is 16 KLD. The waste water generated from labour camps during construction stage will be treated in existing STP & during the operational stage the waste water generated in the scrubbing activity will be reused for sulfuric acid dilution. There will be no solid waste generation during operation stage. Only silica waste will be generated and used as filler for final product. An area of 1.0 ha shall be covered under green belt.

The Commerce, Industries and Employment Deptt. has issued notification (no. F-11/90/2010/B-11 Bhopal dtd. 17.01.2012) related to industrial areas established earlier from time to time. The Meghnagar Industrial area is one of them. In these industrial areas 13 activities have been banned. No such ban has been imposed on the production of single super phosphate in this industrial area. Therefore, no public hearing is required as per EIA notification, 2006.

- iii. The project has been considered in accordance with the provisions of the EIA notification issued by the Ministry of Environment & Forests vide S.O. 1533 (E), dated September 14, 2006.
- iv. Based on the information submitted as at Para 2 and 3 above and others, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 83rd meeting held on 08.02.2012 and decided to accept the recommendations of 85th SEAC meeting held on 13.12.2011.

Hence, Prior Environmental Clearance is accorded to single super phosphate powder of production capacity of 1,20,000 TPA and granulated single super phosphate of 90,000 TPA in the existing premises of rock phosphate beneficiation plant of 1,00,000 TPA capacity in the plot No. 118-B, 119, 120 Meghnagar Industrial Area, Tehsil Jhabua, Distt-Jhabua, M.P. by M/s Krishna Phoschem Ltd, 127, Rachna Nagar, Bhopal project under the provisions of EIA notification dated September 14, 2006, subject to the compliance of the Standard Conditions enclosed at Annex-I and the following additional Specific Conditions as recommended by SEIAA and SEAC:

1. Total water requirement shall not exceed 185 KLD. The entire requirement of water supply shall be met by AKVN and in any case no ground water shall be exploited by the PP itself.
2. As per the proposal submitted 100% waster water shall be re-cycled in the process. No water shall be discharged outside the premises.
3. Garland drain surrounding the raw material storage area has to be constructed which shall be connected to the recycling system.
4. Scrubber system adequate capacity shall be installed to control fluorine and hydrogen fluoride gas emission from the stack so as to keep the values as per the norms of MPPCB.
5. Concentration of fluoride has to be monitored in the ground water on regular basis.
6. Approved on-site emergency plan shall be submitted to MoEF and MPPCB prior to commencement of production.
7. Dense green area (not less than 33% of the total plot area) shall be developed all around the site especially in the predominant wind direction.
8. Occupational health check-up camps shall be organized regularly and records of health of each and every worker should be maintained at site.
9. National Ambient Air Quality Standard issued by the Ministry vide GSR No. 826 (E) dated 16.11.2009 shall be followed.
10. Secondary fugitive emissions from all sources shall be controlled within latest permission limits issued by the Ministry and regularly monitored. Guidelines / Code or practice issued by CPCB shall be followed.
11. Regular monitoring of influent and effluents surface, sub-surface and ground water shall be ensured and treated waste water shall be re-cycled in the

process. Leachate study for effluent generated & analyses should also be regularly carried out and report submitted to ministry and MPPCB.

12. All types of solid wastes shall be handled and managed as per the prescribed norms.
13. In view of use of concentrated sulphuric acid in the process industry shall take all precautions to avoid accidents from spillage/storage/ handling etc.
14. Risk & Disaster Management Plan along with the mitigation measures should be prepared and copy shall be submitted to Ministry of Environment & Forests, Gol & MPPCB.
15. At least Rs 8.50 Lac shall be spent towards the CSR activities.

Encl: 1 no

Sd/-

(Manohar Dubey)
Member Secretary

Endt No. 1302/EPCO - SEIAA/12 Dated: 14-3-12

Copy to:-

1. Principal Secretary, Department of Environment, Government of Madhya Pradesh, Bhopal.
2. Chairman, State Environment Impact Assessment Authority, Bhopal
3. Member Secretary, Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal-462016
4. Member Secretary, SEAC, Research and Development Wing Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5. Arera Colony Bhopal-4620 16
5. Collector, Distt- Jhabua -M.P
6. Division, Monitoring Cell, MoEF, GOI, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi- 110 003
7. Regional Officer, Regional Office of the Ministry of Environment & Forest, Gol, Western Region, Kendriya Paryawarn Bhawan, Link Road No. 3 Ravi Shankar Nagar, Regional office of the MOEF, Bhopal-462016
8. Guard file.

Sd/-

(Dr. R. P. Singh)
Officer-in-Charge

Standard Conditions related to Activity 5 (a) - Chemical Fertilisers of Manufacturing / Fabrication of Category B projects under the Schedule of Ministry of Environment and Forests, GoI notification dtd 14-09-06

1. Any enhancement of capacity, change in technology, modernization and scope of working shall again required prior environmental clearance as per EIA notification, 2006.
2. All activities / mitigative measures proposed by PP in Environmental Impact Assessment and approved by SEAC must be ensured.
3. All activities / mitigative measures proposed by PP in Environmental Management Plan and approved by SEAC must be ensured.
4. All parameters listed in Environmental Monitoring Plan approved by SEAC must be monitored at approved locations and frequencies.
5. The fluoride emission shall not be more than 25 mg/Nm³ emanating from the scrubbing system.
6. Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of raw material and others shall have valid permissions as prescribed under Central Motor Vehicle Rules, 1989 and its amendments. No overloading of raw material for transportation shall be committed.
7. Periodic monitoring shall be carried out as per norms for RPM, SPM, SO₂, NO_x monitoring and fluoride. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the M. P. Pollution Control Board. The monitored data for criteria pollutants shall be regularly uploaded on the company's website and displayed.
8. Data on ambient air quality (RSPM, SPM, SO₂, NO_x) should be regularly submitted to the Regional office of the Ministry of Environment and Forest, Bhopal and the M.P. Pollution Control Board / Central Pollution Control Board once in six months.
9. The company shall develop rain water harvesting structures to harvest the run off water for recharge of ground water.
10. Measures shall be taken for control of noise levels below 75 dBA in the work environment. Workers shall be provided with ear plugs / muffs.
11. Personnel working in dusty areas shall be provided with protective respiratory devices and they shall also be imparted adequate training and information on safety and health aspects.
12. A separate Environmental Management Cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
13. The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the Regional office of the Ministry of Environment and Forest, Bhopal and MP PCB.
14. The Regional Office, MoEF, GoI, Bhopal and MP PCB shall monitor compliance of the stipulated conditions. A complete set of documents including Environment Impact Assessment Report, Environmental Management Plan and other documents information should be given to Regional Office of the MoEF, GoI at Bhopal and MP PCB.

15. The Project Proponent has to submit half yearly compliance report of the stipulated prior environmental clearance terms and conditions in hard and soft copy to the Regulatory Authority on 1st June and 1st December of each calendar year.
16. A copy of the environmental clearance shall be submitted by the Project Proponent to the Heads of the local bodies, Panchayat and municipal bodies as applicable in addition to the relevant officers of the Government who in turn has to display the same for 30 days from the date of receipt.
17. The project proponent has to strictly follow directions/guideline issued by the MoEF, Gol, CPCB and other Govt. agencies from time to time.
18. The Project Proponent shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the State Level Environment Impact Assessment Authority (SEIAA) website at www.mpseiaa.nic.in and a copy of the same shall be forwarded to the Regional Office, MoEF, Gol, Bhopal and MP PCB.
19. Project Proponent shall explore the possibility of using solar energy where ever possible.
20. The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
21. The SEIAA of M.P. reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
22. Action plan with respect to suggestion/improvement and recommendations made and agreed during public hearing consultation, if any, shall be submitted to the Regional office of the MoEF, Bhopal and MPPCB to the competent authority of the State Govt. within six months.
23. These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.
24. The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
25. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
26. Any appeal against this prior environmental clearance shall lie with the Green Tribunal, if necessary, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
27. The prior Environmental Clearance granted for the project is valid for a period of five years as per EIA notification dtd. 14.09.2006.
28. 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 Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.