

F. No. J-11011/481/2007- IA II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

Paryavaran Bhawan
CGO Complex, Lodhi Road
New Delhi – 110 003

E-mail : pb.rastogi@nic.in
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Dated 5th December, 2007

To,

✓ M/s Deepak Fertilizers & Petrochemicals Corporation Ltd.
Plot –32, Sector-16, Opp. Modern College
Vashi, New Mumbai – 400705
Maharashtra

E-mail : Deepak_fertilizer@vsnl.com ; Fax No. 011- 668 7499

Subject : Manufacture of Bentonite-Sulphur-Pastilles (50,000 TPA) at Plot No. K-7, MIDC, Taloja, Raigarh, Maharashtra M/s Deepak Fertilizers & Petrochemicals Corporation Ltd. – Environment clearance reg.

Sir,

This has reference to your letter no. nil dated 24th May, 2007 on the above subject along with Form I, Pre-feasibility Report, draft Term of References and EIA/EMP regarding above mentioned project.

2.0 The proposal was examined and it is noted that proposal is for setting up a Bentonite-Sulphur-Pastilles unit (50,000 TPA) at Plot No. K-7, MIDC, Taloja, Raigarh, Maharashtra. Total land acquired is 4.7 acres. Total cost of the project is Rs. 40.00 Crores.

3.0 Manufacturing process will involve mixing of molten Sulphur and Bentonite clay and will be passed through a special pastillator machine to make pastilles which will be cooled and packed into bags for sale as a fertilizer. Total water requirement for MIDC will be 21 m³/day. Insoluble or suspended solids will be separated by decantation and clear liquid will be sent to CETP for further treatment. 90% of which will be recycled back into the process and remaining will be sold as fertilizer to authorized customers.

4.0 No public hearing is required as per the Section (iii), Stage (3), Para (i) (b) of the EIA Notification, 2006 since the unit is located in the notified MIDC area. Consent for Establishment has been accorded by the Maharashtra Pollution Control Board vide letter no. BO/RO Navi-Mumbai/PCI-I/EIC No. 0861-07/E/CC-199 dated 23rd May, 2007.

5.0 The Ministry of Environment and Forests hereby accords environmental clearance to the above project under the EIA Notification, 2006 subject to the compliance of the conditions mentioned below:

A. SPECIFIC CONDITIONS:

- i. Adequate chimney height, hoods, exhaust fans, exhaust ducts and scrubbers shall be provided to control emissions from boiler and DG set as per standards / norms. The molten Sulphur tank and mixing tank shall be provided with vents connected to filters to absorb the Sulphur and should be neutralized by using clay to control particulate matter less than 50 mg/Nm^3 or standards prescribed by the Maharashtra Pollution Control Board whichever are more stringent. Periodic monitoring of vents shall be carried out and reports submitted to the Ministry's Regional Office at Bhopal/MPCB/CPCB.
- ii. High level vents and fume extraction system shall be provided to the molten Sulphur tank and mixing tank to control fugitive emissions.
- iii. Total water requirement from MIDC supply and effluent generation shall not exceed $31 \text{ m}^3/\text{day}$ and $7.5 \text{ m}^3/\text{day}$ respectively. No ground water shall be used. 'Permission' for the drawl of $31 \text{ m}^3/\text{day}$ shall be obtained from the concerned Department. All the effluent containing minor doses of phosphates, biocides, Sulphur dust and Bentonite clay shall be properly treated and clear liquid shall be sent to common effluent treatment plant (CETP) at Taloja for further treatment. Project authorities shall ensure valid "Membership" to CETP. Domestic effluent shall be treated in septic tank followed by soak pit.
- iv. As reflected in the EIA / EMP report, 90 % of the solid waste shall be recycled back into the process and remaining shall be sold as fertilizer to authorized customers. No solid/ hazardous waste shall be disposed off. The used oil shall be sold to registered recyclers only.
- v. As proposed, green belt of adequate width and density shall be developed in 1.175 acres out of total 4.7 acres (25%) area to mitigate the effects of fugitive emissions all around the plant as per the Central Pollution Control Board guidelines.

B. GENERAL CONDITIONS:

- i. The project authorities must strictly adhere to the all stipulations made by the Maharashtra Pollution Control Board and State Govt.
- 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 gaseous emissions (SO_2 and NO_x) and particulate matters from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.

- iv. Ambient air quality monitoring stations shall be set up in the down wind direction as well as where maximum ground level concentration of SPM are anticipated in consultation with the State Pollution Control Board. Regular ambient air quality monitoring including RSPM shall be carried out and data submitted to Ministry's Regional Office at Bhopal/MPCB/CPCB.
 - v. The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) 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 EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).
 - vi. Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
 - vii. The project authorities shall provide adequate funds for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government alongwith the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purposes.
 - viii. The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Wastes (Management & Handling) Rules, 2003. Authorization from the Gujarat Pollution Control Board shall be obtained for collections/treatment/storage/disposal of hazardous wastes.
 - ix. The stipulated conditions shall be monitored by the Regional office of this Ministry at Bhopal / Maharashtra Pollution Control Board. A six monthly compliance report and the monitored data shall be submitted to them regularly.
 - x. 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 Maharashtra Pollution Control Board / Committee and may also be seen at Website of the Ministry of Environment and Forests 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 Regional office.
- 6.0 The Ministry or any competent authority may stipulate any further condition(s) on receiving reports from the project authorities. The above conditions shall be monitored by the Regional Office of this Ministry located at Bhopal.
- 7.0. The Ministry may revoke or suspend the clearance if implementation of any of the above conditions is not satisfactory.
- 8.0 Any other conditions or alteration in the above conditions shall have to be implemented by the project authorities in a time bound manner.

9.0 The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 the Air (Prevention and Control of Pollution) Act, 1981 the Environment (Protection) Act, 1986, Hazardous Wastes (Management and Handling) Amendment Rules, 2003 and the Public Liability Insurance Act, 1991 alongwith their amendments and rules.



(Dr. P. B. Rastogi)
Additional Director

Copy to:

1. The Secretary, Department of Environment and Forests, Govt. of Maharashtra, Mumbai - 400 001, Maharashtra.
2. The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office, Link Road No.3, E - 5, Arera Colony, Bhopal - 462 016, M.P.
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
4. The Chairman, Maharashtra Pollution Control Board, Shri Chatrapati Shivaji Maharaj Municipal Market Building, 4th Floor, Mata Ramabai Ambedaker Road, Mumbai - 400 001, Maharashtra.
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Guard File.
7. Monitoring File.
8. Record File.



(Dr. P.B. RASTOGI)
Additional Director