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No. J-11011/319/2006 T IA II (I)

Date: 28th June 2007

To,

Shri S.S.Jain

President

Murli Agro Products Ltd. (Cement Unit)

101, Jai Bhawani Society

Central Avenue, Wardhaman Nagar

Nagpur- 440 008

Maharashtra

Subject: **Environmental Clearance for 2.0 MTPA of Clinker Plant, 2.16 MTPA of OPC and 2.86 MTPA PPC and Captive Power Plant of 2 x 25 MW at village Naranda, District Chandrapur, Maharashtra by M/s Murli Agro Products Ltd.**

Sir,

This has reference to your letter no. MAPL/F-9-MoEF/06-07 dated 14.09.2006 seeking environmental clearance for the above-mentioned project.

2. The Ministry of Environment and Forests has examined the proposal and clarifications submitted vide your letters dated 31st October 2006, 6th November 2006 & 21st November 2006. It is noted that the proposal is for production of 2.0 MTPA of Clinker. Corresponding capacities of OPC will be 2.16 MTPA & PPC will be 2.86 MTPA. A pulverized coal fired Captive Power Plant (CPP) of 2 x 25 MW along with stand by DG Sets of 10 MW capacity is also proposed as a part of the project. The project shall be located at village Naranda, tehsil Korpana in district Chandrapur in the State of Maharashtra, which is a declared industrial zone. The land required for the project would be approx. 50 ha out of which 17 ha has been reserved for green belt development. The project does not involve forestland and eco-sensitive areas. No R & R is involved for the project. About 2.6 MTPA of Limestone and 2300-2700 TPD of coal shall be required for the plant and CPP. Limestone will be sourced from the captive mines, environmental clearance for which has been applied to the MoEF. The coal will have 40% ash and 0.3 % sulphur. The Cement plant will be based on ◀Dry process pre-calcinations technology ↓ and ash collection will also be by Dry ash collection system. Total water requirement for the project will be 6020 m3/d, which will be sourced from

Wardha/ Pen Ganga River. Permission from the relevant state irrigation Department has been obtained for Water withdrawal. Public Hearing for the project was held on 27th April 2007 and Maharashtra Pollution Control Board has accorded NOC on 10th May 2007. Total cost of the project is Rs. 300.00 Crores out of which Rs. 31.08 Crores would be for environmental protection measures.

3. The Project was received after 14th September 2006, the date of EIA Notification, 2006. However it was considered as per the procedure given in old EIA Notification, 1994 under sub-Para (i) of Para 2.1.1 of the Interim Operational Guidelines dated 13th October 2006 issued by the Ministry of Environment and Forests under Para 12 of the EIA Notification 2006.

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

SPECIFIC CONDITIONS

- i. The gaseous emissions from various units shall conform to the standards prescribed by the Maharashtra State Pollution Control Board. Bag filters and Electrostatic Precipitator of highest efficiency shall be installed and Particulate Emissions from the cement plant shall be less than 50 mg/Nm³ and for CPP, the same will be less than 80-100 mg/Nm³. Particulate emissions from DG House will be restricted to 40 mg/Nm³.
- ii. Five stacks of the prescribed height (as presented before the Environmental clearance ECI) shall be erected to disperse SO_x and NO_x. All the major stacks shall be provided with continuous emission monitoring for particulate matter.
- iii. Continuous On-line monitors for particulate emissions, SO₂ and NO_x in Raw/kiln mill, clinker cooler, coal mill, cement mill etc. shall be provided and shall make necessary arrangements for submission of On-line real time emission data to CPCB website. NO_x burners shall be installed to control NO_x emissions. Interlocking facility shall be provided between pollution control equipment and the process operation so that in the event of the pollution control equipment not working, the respective unit (s) is shut down automatically.
- iv. Regular Ambient Air Quality Monitoring shall be carried out. The monitoring stations will be set up in consultation with the Maharashtra Pollution Control Board. It will be ensured that at least one monitoring station is set up in up-wind & in down-wind direction along with those in other directions. On-line data for air emissions shall be transferred to the CPCB and MPCB regularly. The instruments used for ambient air quality monitoring shall be calibrated regularly.
- v. Raw material will be properly covered and clinker shall be stored in a dome with all round high sidewalls to control fugitive emissions. Fugitive emissions from cement mill, packing area and coal yard shall also be controlled.
- vi. Dust collectors and extraction system (suction apparatus) shall be installed to control fugitive dust emissions at coal and lime stone unloading points, at all the transfer points, stockpiles to arrest free release of dust.

- vii. Materials will be transported in tippers, covered trucks, covered containers, covered rail wagons etc.
- viii. Windbreakers will be installed to restrict fugitive dust.
- ix. Water sprinkling arrangement should be made in the raw material stock yard and dust collectors in cement bag loading areas.
- x. Total water requirement from Wardha/ Pen Ganga River shall not exceed 6020 m³/d as per the permission granted by State Irrigation Department.
- xi. Minimum Cycle of Concentration (COC) for the CPP will be 5.0.
- xii. The wastewater from CPP and domestic activities shall be treated in Effluent Treatment Plant (ETP) and Sewage Water Reclamation Plant (SWRP) respectively and recycled/reused in cement plant for make-up, in CPP for cooling, dust suppression, other plant related activities and green belt development. No wastewater will be released outside the premises. ◀Zero↑ discharge shall be strictly adopted. During monsoon, the wastewater will be stored in the mine pit.
- xiii. Solid waste generated shall be 100 % recycled and reutilized in the process it self and no solid waste shall be disposed off outside the plant premises. The fly ash generated will be used in-house for the manufacture of PPC. Bottom ash shall be used in the raw mill and used for land filling. Treated STP sludge shall be used as manure for green belt development. Waste oil sludge shall be reused in the plant and finally burnt in the kiln or sold to authorized recyclers/ re-processors.
- xiv. The company shall strictly follow all the recommendations mentioned in the Charter on Corporate Responsibility for Environmental Protection (CREP).
- xv. As agreed, green belt shall be developed in 17 ha area .
- xvi. The company must harvest surface as well as rainwater from the rooftops of the buildings proposed in the expansion 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.

B. GENERAL CONDITIONS

- i. The project authorities must strictly adhere to the stipulations made by the Maharashtra Pollution Control Board (MPCB) and the State Government.
- ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.
- iii. Adequate number of influent and effluent quality monitoring stations shall be set up in consultation with the MPCB. Regular monitoring shall be carried out for relevant parameters.

- iv. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report.
- v. Industrial wastewater shall be properly collected and treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.
- vi. The overall noise levels in and around the plant area shall be limited within the prescribed standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
- vii. Proper House keeping and adequate occupational health programmes shall be taken up. Regular Occupational Health Surveillance Programme shall be carried and records shall be maintained properly for at least 30-40 years. The programme shall include lung function and sputum tests once in six months. Sufficient preventive measures shall be adopted to avoid direct exposure to dust etc.
- viii. A separate environment management cell with full fledged laboratory facilities to carry out various management and monitoring functions shall be set up under the control of a Senior Executive.
- ix. As proposed in the EIA/EMP, Rs. 31.08 Crores and Rs. 0.313 Crores/annum shall be earmarked to meet the capital cost and recurring cost/annum for the environmental protection measures shall be used judiciously to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.
- x. Regional Office of this Ministry at Bhopal / Maharashtra Pollution Control Board / Central Pollution Control Board shall monitor the implementation of the stipulated conditions. Six monthly compliance status report and monitoring data along with statistical interpretation shall be submitted to them regularly.
- xi. The Project Proponent should advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing 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 and Forests at <http://envfor.nic.in>. The advertisement should be made within 7 days from the date of issue of the clearance letter and a copy of the same should be forwarded to the Ministry's Regional Office at Bhopal.
- xii. 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 land development work.
5. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
6. The Ministry reserves the right to stipulate additional conditions if found necessary. The company will implement these conditions in a time bound manner.

7. 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, the Public Liability Insurance Act, 1991, Hazardous Waste (Management & Handling) Rules, 1989 and Manufacture , Storage and Import of Hazardous Chemicals Rules, 1989 along with their amendments and rules.

(Sanchita Jindal)

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. Joint Secretary (CCI-I) Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
7. Guard File.
8. Monitoring File.
9. Record File.

(Sanchita Jindal)

Additional Director