



भारत सरकार
पर्यावरण एवं वन मंत्रालय
Government of India
Ministry of Environment & Forests
(IA Division)

By Speed Post

Paryavaran Bhawan
CGO Complex, Lodhi Road
New Delhi - 110 003
E-mail: hsmalviya@gmail.com
Telephone: 011: 2436 7076

F. No. J-11011/144/2007-IA-II(I)

Dated : April 24, 2008

To

M/s. Murli Industries Limited
Village Vadoda,
Tehsil Kamptee,
District Nagpur,
Maharashtra

Sub : Setting up of Paper pulp (150 TPD), Chemical recovery plant (Soda ash -50 TPD), SBS Board (250 TPD) and Co-generation power plant (20 MW) Specialty Board Paper Unit at Village Vadoda, Tehsil Kamptee, District Nagpur, Maharashtra by M/s. Murli Industries Limited - Environmental Clearance reg.

Sir,

This has reference to your letter no. MIL/MoEF/2007-08 dated 7th November, 2007 along with EIA/EMP report and public hearing report, and pre-feasibility report for Pulp Mill, SBS Board & CPP seeking environmental clearance for the above project under the Environment Impact Assessment Notification, 2006 and subsequent correspondence vide letters dated 30th January, 2008 and 10th April, 2008.

2. The Ministry of Environment and Forests has examined the proposal and noted that the proposal is for environmental clearance for setting up of Paper pulp (150 TPD), Chemical recovery plant (Soda ash -50 TPD), SBS Board (250 TPD) and Co-generation power plant (20 MW) Specialty Board Paper Unit at Village Vadoda, Tehsil Kamptee, District Nagpur, Maharashtra by M/s. Murli Industries Limited. Total land of the project is 91.3 ha out of this 30 ha will be earmarked for the green belt development. Cost of Paper pulp & Chemical recovery plant (Soda ash) plant Rs. 9.85 Crores, SBS Board Rs. 49.33 Crores and Co-generation power plant will be Rs. 45.00 Crores. Following will be manufactured :

Paper pulp	- 150 TPD
Chemical recovery plant(Soda ash)	- 50 TPD
SBS Board	- 250 TPD
Co-generation power plant	- 20 MW

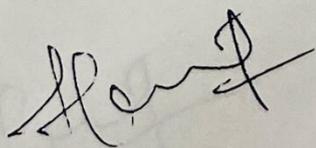
3. Gaseous emissions from the stack at the recovery plant will be negligible. 30 m high stack will be installed at the chemical recovery plant. ESPs or bag house with efficiencies above 99.9 per cent will be installed with power plant. Provision for NO_x burners and SO₂ scrubbing by lime will be made. Company will not use any sulphur compounds to avoid odour from pulp mill. The water requirement for the pulp unit will be 10,515 KLD and for SBS Board will be 2880 KLD which will be met from river Kanhan. The irrigation department has agreed to provide the water 2.28 Mm³/year. Waste water generation from pulp mill will be 8408 KLD, 2452 KLD from SBS and 826 KLD from power plant which will be treated in the existing independent ETP.

4. Public hearing/public consultation was held on 1st October 2007.

5. The Ministry of Environment and Forests hereby accords the environmental clearance to the above project under the provisions of EIA Notification dated 14th September, 2006 subject to compliance of the following specific and general conditions:

A SPECIFIC CONDITIONS:

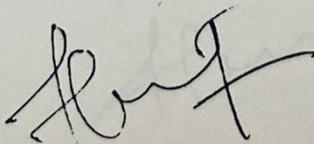
- i) The company shall adopt Non-Chlorine methods for bleaching of paper on or before 5 years from the date of issue of this letter and company shall submit detailed action plan in this regard to Ministry's Regional Office at Bhopal within three months.
- ii) The project authority shall install Electro-static precipitator or Bag house with the boilers to achieve the particulate emission below 50 mg/Nm³. NCG collection and incineration system along with blow heat recovery system shall be included in the proposed scheme for control of the gaseous emissions from pulp mill and soda recovery sections. The company shall submit the details of Electro-static precipitator or Bag house within one month.
- iii) The process emissions and particulate matter from various 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 unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.
- iv) Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions shall conform to the limits imposed by MPCB. For control of fugitive emission.
- v) Blow heat recovery system upgradation shall be done to reduce energy consumption and improve ambient air quality along with installation of incineration system for non-condensable gases.



- vi) The water requirement shall not exceed 11395 KLD and shall be met from river Kanhan. The company shall obtain permission for drawl of water from the river and shall submit a copy to the Ministry's Regional office within three months.
- vii) The industry shall ensure that the treated effluent from the unit are within the norms stipulated under the EPA rules or SPCB whichever is more stringent. In case of treatment process disturbances/failure of pollution control equipment adopted by the unit, the respective unit shall be shut down and shall not be restarted until the control measures are rectified to achieve the desired efficiency.
- viii) The ground water quality monitoring shall be undertaken regularly around the HRTS/plant area to assess the contamination of ground water. The company shall install the at least four piezometric holes in the area to monitor the ground water quality and reports shall be submitted to CPCB and Ministry's Regional Office at Bhopal.
- ix) The company shall install the Oxygen delignification in the pulp mill to reduce chlorine demand and to achieve AOX level below 1.5 kg/Tonne of paper till Non-Chlorine methods for bleaching of paper is adopted.
- x) All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the pulp and paper sector shall be strictly implemented.
- xi) The company shall develop 33 ha as green belt as per the CPCB guidelines to mitigate the effect of fugitive emissions.
- xii) The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
- xiii) During transfer of materials spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillages with domestic waste and storm drains.
- xiv) The company shall comply with the commitments made during public hearing.

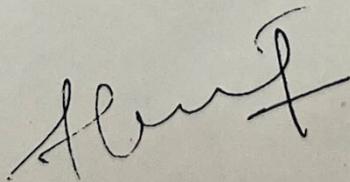
GENERAL CONDITIONS

- i. The project authorities shall strictly adhere to the stipulations of the SPCB/state government or any statutory body.
- 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

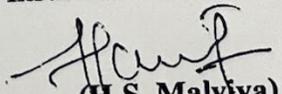


of conditions imposed and to add additional environmental protection measures required, if any.

- iii. Ambient Air Quality Monitoring Stations shall be set up in the down wind direction as well as where maximum ground level concentration of SPM, SO₂, NO_x, are anticipated in consultation with the MP Pollution Control Board.
- iv. The project authorities shall strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended. Authorization from the SPCB shall be obtained for collection, treatment, storage, and disposal of hazardous wastes.
- v. For control of process emissions, stacks of appropriate height as per the Central Pollution Control Board guidelines shall be provided. The scrubbed water shall be sent to ETP for further treatment.
- vi. The company shall undertake following Waste Minimization measures :-
- Metering of quantities of active ingredients to minimize waste.
 - Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
 - Maximizing recoveries
 - Use of automated material transfer system to minimize spillage.
 - Use of "Closed Feed" system into batch reactors.
- vii. Adequate number of influent and effluent quality monitoring stations shall be set up in consultation with the State Pollution Control Board and regular monitoring shall be carried out for all relevant parameters to maintain the effluent treatment efficiency. The report shall be submitted to Ministry's Regional Office at Bhopal, CPCB and SPCB.
- 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 and Handling) Rules, 2003. Authorization from the Gujarat Pollution Control Board shall be obtained for collections/treatment/storage/disposal of hazardous wastes.
- ix. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- x. 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 Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).



- 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. Financial provision should be made in the budget of the project for implementation of the above suggested environmental safeguards. Fund so earmarked shall not be diverted for any other purposes.
- xiii. The project authorities shall provide rainwater harvesting system and ground water recharge.
- xiv. The implementation of the project vis-à-vis environmental action plans shall be monitored by Ministry's Regional Office /SPCB / CPCB. A six monthly compliance status report shall be submitted to monitoring agencies.
- xv. 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 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 Ministry's Regional Office.
- xvi. 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.
6. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
7. The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner shall implement these conditions.
8. Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.
9. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 alongwith their amendments and rules.


(H.S. Malviya)
Joint 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 Shivaj
Maharaj Municipal Market Building, 4th Floor, Mata Ramabai Ambedaker Road
Mumbai - 400 001, Maharashtra.
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGC
Complex, New Delhi.
6. Guard File.
7. Monitoring File.
8. Record File.

(H.S. Malviya
Joint Director)