भारत सरकार
पर्यावरण एवं वन मंत्रालय
GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT & FORESTS

By Speed Post

Telefax: 011-24360488
E-mail: sanchita@menf.nic.in
sansom_2859@yahoo.co.in

File No- J-11011/666/2007-IA II (I)

Date: 20th February 2008

To,

M/s Pharmazell (India) Private Limited- Unit-II
Plot No. A 1 & A 2
Madras Export Processing Zone
Kadaperi Village, Tambaram Taluka
Kancheepuram District
Chennai, Tamil Nadu

Subject: **Expansion of Organic Chemicals Manufacturing Unit at Plot No. A1 & A2, Madras Export Processing Zone, Kadaperi, Tambaram, Kancheepuram, Chennai, Tamil Nadu by M/s Pharmazell (India) Private Limited (Unit-II) - Environment Clearance Regarding.**

Sir,

Kindly refer to your letter No. MLL-MOEF/EC -07 dated 16.03.2007 seeking environment clearance for the above mentioned project.

2. The Ministry of Environment and Forests has examined the proposal. It is noted that the proposal is to expand the capacity of Pharmaceutical Plant at Kadaperi Village, Tambaram Taluka, Kancheepuram District, Chennai, Tamil Nadu. The cost of the project is Rs. 4.5 Crores out of which Rs. 0.5 Crores will be earmarked for environment protection measures. The total area available is 6715 sq. m. Presently, the unit is manufacturing 8 products and 23 new products shall be added however, based on the market demands, only three to four products shall be manufactured at a time. The list of the new products to be produced is as given below-

S. No.	Name of Products	Capacity (MTM)
1	Oratatese	5.16
2	Acetyl Cystine	2.5
3	Leucine	2.5
4	Tyrosine	1.66
5	L- Cystine	0.83
6	Cystine Base	1.66
7	Atenolol	1.66
8	Carbamazepine	2.5
9	N- Acetyl Tyrosine	0.1
10	Dipiperidino Dichloro Homopurine (DDH)	4.16

11	Lysine Carbocisteine	2.5
12	BOC-7	1.0
13	Quetapine Fumarate	0.25
14	Clopiddogrel H2SO4	1.0
15	2- Amino Methyl Indoline	0.1
16	6- Methyl Uracil	2.0
17	Olanzapine	0.25
18	Propafenone HCl	2.5
19	Argenine	0.2
20	CDCA	3.0
21	NAC	1.0
22	Tioglitazaone	0.25
23	N- Acetyl Leucine	0.1
	Total	**36.88**

3. One boiler of 850 KPH with 30 m stack height shall be installed. There will be no increase in water requirement of 74 m3/d after the expansion. There will be no increase in waste water generation also from the present 7.5 m3/d. Presently, the effluent is treated in the effluent treatment plant and disposed to the MEPZ sewer line however after the expansion, treated effluent will be subjected to RO plant. Domestic sewage is disposed off in MEPZ sewer line. Sludge generation from ETP will remain the same as 1 MTA and so will be Process waste (carbon spent) generation (3 MTA). Sludge from Mechanical Evaporator shall increase from 1 MTA to 1.5 MTA. These will be collected and sent to the common disposal facility at Gummidipoondi.

4. The project activity is listed at 5 (f) and is of 'A' Category in the Schedule of EIA Notification, 2006. The Public Hearing for the project was dispensed with as per Para 7 (ii) of the EIA Notification, 2006.

5. Based on the information submitted, 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 compliance of the following conditions:

A. SPECIFIC CONDITIONS:

i. Cyclone separator/ESP with a stack of 30 m height shall be installed for dispersion of Particulate matter from the Boiler. Cyclone separator efficiency shall be minimum 90%.

ii. There shall be no odour nuisance from products & material used.

iii. Water withdrawal shall not exceed the present requirement of 74 m3/d and there shall be no increase in water requirement after the expansion.

Contd.

iv. There shall be no increase in waste water generation from the present 7.5 m3/d. RO Plant shall be installed during the expansion and treated effluent shall be subjected to RO. Domestic sewage shall be disposed off in MEPZ sewer line.

v. The Company shall submit Membership documents of TSDF and CETP for record with in 15 days of issue of this letter.

vi. There shall be no increase in Sludge generation from the present 1 MTA. 1.5 MTA of Sludge from mechanical evaporator and 3 MTA of Spent Carbon shall be sent to the common disposal facility at Gummidipoondi.

vii. Spent solvents shall be recovered as far as possible & recovery shall not be less than 98 percent. Solvent vapours emitted during purification process from purification tanks as fugitive emissions shall be reduced as far as possible. All venting equipment shall have vapour recovery system.

viii. Benzene shall not be used as solvent and no odorous compounds/gas like Mercaptans or Hydrogen Sulfide shall be used or formed in any of reactions at the site.

ix. The project authorities shall earmark Rs. 0.5 Crores 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 provided shall not be diverted for any other purpose.

B. GENERAL CONDITIONS:

(i) The project authorities shall strictly adhere to the stipulations made by the State Pollution Control Board.

(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) At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system 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.

Contd.

(iv) The gaseous emissions (SO_2, NO_x, VOC and HC) and Particulate matter along with RSPM levels 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.

(v) Regular monitoring of HC and VOC in the ambient air at various probable locations in and around the plant will be carried out.

(vi) The locations of ambient air quality monitoring stations shall be reviewed in consultation with the State Pollution Control Board (SPCB) and additional stations shall be installed, if required, in the downwind direction as well as where maximum ground level concentrations are anticipated.

(vii) Dedicated scrubbers and stacks of appropriate height as per the Central Pollution Control Board guidelines shall be provided to control the emissions from various vents. The scrubbed water shall be sent to ETP for further treatment.

(viii) All the storage tanks will be under negative pressure to avoid any leakages. Breather valves, N_2 blanketing and secondary condensers with brine chilling system shall be provided for all the storage tanks to minimize vapour losses. All liquid raw material shall be stored in storage Tanks and Drums. Closed handling systems for chemicals and solvents will be provided. Magnetic seals will be provided for pumps/agitators for reactors for reduction of fugitive emissions. Solvent traps shall be installed wherever necessary. Reactor generating solvent vapors will be connected to condensers with receivers.

(ix) All venting equipment shall have vapour recovery system. All the pumps and other equipment's where there is a likelihood of HC leakages shall be provided with Leak Detection and Repair (LDAR) system and LEL indicators and Hydrocarbon detectors. Provision for immediate isolation of such equipment, in case of a leakage will also be made. The company shall provide a well defined Leak Detection and Repair (LDAR) programme for quantification and control of fugitive emissions. The detectors sensitivity will be in ppm levels.

(x) The company shall undertake following Waste Minimization measures.

- Metering and control 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.
- Use of automated filling to minimize spillage.

Contd.

- Use of "Close Feed" system into batch reactors.
- Venting equipment through vapour recovery system.
- Use of high pressure hoses for equipment cleaning to reduce wastewater generation.

(xi) Fugitive emissions in the work zone environment, product, and raw materials storage area shall be regularly monitored. The emissions shall conform to the limits imposed by the State Pollution Control Boards/Central Pollution Control Board.

(xii) The project authorities shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in October, 1994 and January, 2000 and Hazardous Waste (Management and Handling) Rules, 1989, as amended from time to time. Authorization from the SPCB shall be obtained for collection, treatment, storage, and disposal of hazardous wastes. All Transportation of Hazardous Chemicals shall be as per the MVA, 1989.

(xiii) 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).

(xiv) 25% of the total area shall be developed as green belt as per the CPCB guidelines.

(xv) Occupational health surveillance of the workers shall be carried out on a regular basis and records shall be maintained as per the Factories Act.

(xvi) 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.

(xvii) Usage of PPEs by all employees/ workers shall be ensured.

(xviii) The company shall strictly follow all the recommendations mentioned in the Charter on Corporate Responsibility for Environmental Protection (CREP).

(xix) The Company shall 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.

Contd.

(xx) The project proponent shall also comply with all the environmental protection measures and safeguards proposed in the EIA/EMP report. All the recommendations made in respect of environmental management and risk mitigation measures relating to the project shall be implemented.

(xxi) The company will undertake all relevant measures, as indicated during the Public Hearing for improving the Socio-economic conditions of the surrounding area. CSR activities will be undertaken by involving local villages and administration

(xxii) The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.

(xxiii) A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.

(xxiv) The implementation of the project vis-à-vis environmental action plans shall be monitored by the concerned Regional Office of the Ministry/SPCB / CPCB. A six monthly compliance status report shall be submitted to monitoring agencies and shall be posted on the website of the Company.

(xxv) 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://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 concerned Regional Office of the Ministry.

(xxvi) 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 will implement these conditions.

Contd.

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

(Sanchita Jindal)
Additional Director

Copy to:

1. The Secretary, Environment and Forests Secretariat, Government of Tamil Nadu, Chennai-600 009, Tamil Nadu

2. The Chief Conservator of Forests, Regional Office (Southern Zone) , Ministry of Environment & Forests, Kendriya Sadan ,4th Floor , C& F Wing, 17 Main Road, II Block , Kormangla, Banglore- 560 034, Karnataka.

3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi – 110 032.

4. The Chairman, Tamil Nadu Pollution Control Board, 76, Mount Road, Mount Salai, Guindy, Chennai- 600 032.

5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.

6. Guard File

7. Monitoring File

8. Record File.

(Sanchita Jindal)
Additional Director

SPEED POST

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

Paryavaran Bhawan
CGO Complex, Lodhi Road
New Delhi – 110 003
E-mail: hsmalviya@gmail.com
Telephone: 011: 24367076

F. No. J-11011/666/2007-IA II (I) June 26, 2008

CORRIGENDUM

Sub: Expansion of Organic Chemical Manufacturing Unit at Plot No. A1 & A2, Madras Export Processing Zone, Kadaperi, Tambaram, Kancheepuram, Chennai, Tamil Nadu by M/s Pharmazell (India) Private limited (Unit-II)– Environmental Clearance reg.

This is in continuation of this Ministry's earlier letter of even No. dated 20th February, 2008 and your communication dated 15th May, 2008. The matter was re-examined with respect to para 3 and specific condition No. (iv) in light of representation made by you to the Ministry.

2 The para 3 and Specific condition No. (iv) of the Environmental Clearance letter issued to M/s Pharmazell (India) Private limited (Unit-II) vide ministry's F. No. J-11011/666/2007-IA II (I) dated 20th February, 2008, is as follows:

(A) "One boiler of 850 KPH with 30 m. stack height shall be installed. There will be no increase in water requirement of 74 m^3/d after the expansion. There will be no increase in waste water generation also from the present 7.5 m^3/d. Presently, the effluent is treated in the effluent treatment plant and disposed to the MEPZ sewer line however after the expansion, treated effluent will be subjected to RO plant. Domestic sewage is disposed off in MEPZ sewer line. Sludge generation from ETP will remain the same as 1 MTA and so will be process waste (carbon spent) generation (3 MTA). Sludge from Mechanical Evaporator shall increase from 1 MTA to 1.5 MTA. These will be collected and sent to the common disposal facility at Gummidipoondi."

would be replaced by

"One boiler of 850 KPH with 30 m. stack height shall be installed. There will be no increase in water requirement of 74 m^3/d after the expansion. The industrial and domestic waste water generation will be 52.5 m^3/d and 7.5 m^3/d respectively.

Presently, the effluent is treated in the effluent treatment plant and disposed to the MEPZ sewer line however after the expansion, treated effluent will be subjected to RO plant. Domestic sewage is disposed off in MEPZ sewer line. Sludge generation from ETP will remain the same as 1 MTA and so will be process waste (carbon spent) generation (3 MTA). Sludge from Mechanical Evaporator shall increase from 1 MTA to 1.5 MTA. These will be collected and sent to the common disposal facility at Gummidipoondi."

(B) **Specific Condition**: "(iv) There shall be no increase in waste water generation from the present 7.5 m^3/d. RO Plant shall be installed during the expansion and treated effluent shall be subjected to RO. Domestic sewage shall be disposed off in MEPZ sewer line."

would be replaced by

"(iv) There shall be no increase in waste water generation from the 52.5 m^3/d industrial and 7.5 m^3/d domestic. RO Plant shall be installed during the expansion and treated effluent shall be subjected to RO. Domestic sewage shall be disposed off in MEPZ sewer line."

3 All the other specific and general conditions stipulated in environmental clearance order dated 20th February, 2008 shall remain the same.

4 This letter shall be kept attached with the original clearance letter.

5 This issues with the approval of competent authority.

(H.S. Malviya)
Joint Director

M/s Pharmazell (India) Private limited (Unit-II),
Plot No. A1 & A2, Madras Export Processing Zone,
Kadaperi, Tambaram, Kancheepuram, Chennai,
Tamil Nadu

Copy to:

1. The Secretary (Environment), Govt. of Tamil Nadu, Fort. St. George, Chennai-560 560, Tamil Nadu.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi -110 032.

2. The Chairman, Tamil Nadu Pollution Control Board, 100, Anna Salai, Guindy Chennai - 600 032, Tamil Nadu.
3. The Chief Conservator of Forests (Central), Regional Office (SZ), Kendriya Sadan, IVth Floor, E & F Wings, 7th Main Road, IInd Block, Koramangala, Bangalore- 560 034, Karnataka.
4. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
5. Guard File.
6. Monitoring File.
7. Record File.

(H.S. Malviya)
Joint Director