



State Level Environment Impact Assessment Authority (SEIAA)

Andhra Pradesh

Government of India

Ministry of Environment Forests & Climate Change

A-3, Industrial Estate, Sanathnagar, Hyderabad- 500 018.

REGD.POST WITH ACK.DUE

Order No. SEIAA/AP/SKM- /2011- 1992

Dt:04-03-2015.

Sub: SEIAA, A.P. – M/s. Orch Laboratories India Pvt. Ltd., Plot Nos : 51 A, D, E,F,G,& H, IDA Kondapally Ibrahimpatnam (M), Krishna District – Expansion -Environmental Clearance - Issued - Reg.

- I. This has reference to your letter dt. 18.05.2012, 30.03.2013 and subsequent lr. dt. & 13.01.2015 seeking Environmental Clearance for expansion **Bulk Drugs Manufacturing Unit** in the name of **M/s. Orch Laboratories India Pvt. Ltd., Plot Nos: 51 A, D, E,F,G,& H, IDA Kondapally, Ibrahimpatnam (M), Krishna District**. The nearest human habitation viz., Kattubodipalem (V) exists at a distance of 0.8 km from the project site. The total area of the site is 4429 Sq.m; Green belt is 1477.00 Sq.m The total cost of the project is 8.21 Crores and the production capacity of the project after expansion is as following:

S.No	Product Name	Quantity Kg/Month	Quantity Kg/Day
1.	Omeprazole	5000.00	166.67
2.	Rabepazole Sodium	1000.00	33.33
3.	Itraconazole	1000.00	33.33
4.	Losartan Potassium	1000.00	33.33
5.	Telmisartan	1000.00	33.33
6.	Valsartan	1000.00	33.33
7.	Irbesartan	500.00	16.67
8.	Quetiapine Hemifunere	1500.00	50.00
9.	Ciprofloxacin HCl	5000.00	166.67
10.	Atorvastatin Calcium	1000.00	33.33
11.	Dextromethorphan	1000.00	33.33
12.	Carvedilol	1000.00	33.33
	Total	20000.00	666.65

- II. The proposal has been examined and processed in accordance with EIA Notification, 2006 and its amendments thereof. The State Level Expert Appraisal Committee (SEAC) examined the application in its meetings held on 30.05.2013. The project proponent attended the meeting. The SEAC considered the project proposal and recommended for issue of Environmental Clearance with the specific condition viz., the project proponent shall implement the zero liquid discharge (ZLD) facility as committed. The State Level Environment Impact Assessment Authority (SEIAA), in its meeting held on 14.06.2013 examined the proposal and deferred for consideration and in the mean while necessary clarification may be obtained from the MoE&F, GOI regarding exemption of public hearing (specific condition under schedule in EIA Notification, 2006) for Category 'A' industries proposed to be established in an old multi product Industrial Estates set up prior to EIA Notification. The project is exempted from public hearing as it is located in a notified Industrial Park, As per MOEF&CC Office Memorandum .No.J-11013/36/2014-IA-I, dt.10.12.2014. The State Level Environment Impact Assessment Authority (SEIAA), in its meeting held on 17.02.2015 examined the proposal and the recommendations of SEAC and decided to issue Environmental Clearance to the project as recommended by the earlier SEAC. The SEIAA, A.P hereby **accords prior Environmental Clearance to the project** as mentioned at Para no. I under the provisions of the EIA Notification 2006 and its subsequent amendments issued under Environment (Protection) Act, 1986 subject to implementation of the following specific and general conditions:

A. Special Conditions:

- i. The industry shall achieve zero liquid discharge (ZLD).
- ii. The industry shall segregate effluents into different streams i.e. High COD and Low TDS, Low COD and High TDS, Low COD and Low TDS.
- iii. The industry shall develop waste factors for different streams of effluents and solid waste.
- iv. The industry shall provide two stage scrubbing system to control process emissions.
- v. The industry shall provide solvent recovery system.
- vi. The industry shall provide hazardous waste container (drums) cleaning/washing system.
- vii. The industry shall provide mass flow meter to measure quantity of steam consumed for MEE system.
- viii. The industry shall provide magnetic tamper proof flow meters to measure quantity of different streams of effluents generated and routed through the treatment systems.
- ix. The industry shall provide steam stripping system to handle volatile matter in the effluents.
- x. The industry shall send hazardous waste to the authorized cement industries/ TSDF/ authorized recyclers by properly maintaining the system.

B Specific Conditions:

a) Air pollution:

- I. The emissions from the coal fired Boiler of capacity 2.0 TPH, shall be routed through multi cone cyclones followed by a stack of height 30 m. The concentration of particulates in the emission shall not exceed 115 mg/Nm^3 . Sampling Port with removable dummy of not less than 15cm diameter in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc., shall be provided to monitor stack emissions. Adequate stack height shall be provided for D.G. Set (125 KVA) as per CPCB norms.
- II. The process emissions containing HCl, H₂S and NH₃ shall be routed through two stages scrubber system. Scrubbed liquid shall be treated and reused or subjected to MEE.
- III. Necessary measures shall be taken to control odour as far as possible. Sub coolers for brine circulation shall be installed to reduce solvent evaporation losses into the atmosphere. All the solvent storage tanks shall be connected to vent condensers. Regular monitoring of the VOCs shall be carried out using sensors.
- IV. The solvents shall be recovered by installing fractional distillation columns. The recovered solvents shall be reused in the process or sold to recyclers authorized by APPCB. The volatile vapours generated during process shall be routed through condensers and the condensate shall be reused in the plant.
- V. The area of the greenbelt shall not be less than 33% of the total area of the site. Greenbelt with tall growing trees shall be developed along the boundary of the site.
- VI. Raw materials shall be transported in covered trucks. Raw materials shall be stored under sheds. All the belt conveyors shall be covered with G.I. sheets. Appropriate dust suppression system shall be provided all around the stockpiles and conveyor system. All the roads in the plant area shall be asphalted / concreted and water shall be sprinkled to suppress the dust.
- VII. Fugitive emissions from storage tanks will be avoided by providing air condensers.
- VIII. Ambient air quality including ambient noise levels must not exceed the standards stipulated under Notification dt. 16.11.2009 issued by the MOEF&CC,GOI. Monitoring of ambient air quality and stack emissions shall be carried out regularly in consultation with APPCB. Data on ambient air quality should be regularly submitted to the Ministry

including its Regional Office located at Chennai and the State Pollution Control Board/ Central Pollution Control Board once in six months.

b) Water Pollution:

- i The source of water is APIIC. The total water requirement shall not exceed 59.76 KLD. Quantity of water used for Process is-15.26 KLD, washings -3.00 KLD, Boiler Makeup - 12.00 KLD, cooling tower -20.00 KLD, Scrubbing System-2.00 KLD, DM plant -2.00 KLD, Domestic purposes - 2.50 KLD & for Development of greenbelt - 3.00 KLD.
- ii The total waste water generated is 31.21 KLD. Out of that, 16.21 KLD is from Process; 3.00 KLD is from washings; 2.00 KLD is from Boiler blow down; 4.00 KLD is from cooling towers blow down 2.00 KLD is from Scrubber;2.00 KLD is from DM plant; 2.00 KLD is from Domestic section.
- iii Zero discharge concepts shall be adopted. High COD & Low TDS shall be sent to incinerator, Low COD & Low TDS shall be sent to conventional ETP. and the Low COD & High TDS effluents are routed through Stripper with scrubber followed by MEE and rejects of MEE shall be sent to ATFD. The condensate of the MEE shall be sent to RO. The permeate from the RO plant shall be re-used in the plant and rejects to MEE. The domestic waste water shall be disposed into the septic tank followed by soak pit.
- iv The proponent shall provide separate storm water drains and harvest the rainwater from the rooftops to recharge the ground water.

c) Solid Waste :

- i. Hazardous waste generated from the industry such as organic residue, salts, spent solvents waste oils, used oils etc., shall be disposed as per the Hazardous Wastes (Management, Handling, and Transboundary movement) Rules, 2008 and its amendments thereof to the recyclers authorized by APPCB / Authorized cement industries/Authorized TSDF.
- ii. The Inorganic Solid Waste (166.21 kg/day) is to be disposed to TSDF; Organic residues (235.88 kg/day) is to be disposed to TSDF/Cement Industry; MEE Salts (533.03 kg/day) is to be disposed to TSDF; Spent Carbon (70.00 kg/day) is to be sent to TSDF/Authorized Cement Industry; Detoxified Container (250 Nos/Month) is to be disposed to traders after Detoxification; Distillation Bottom Residue (30.00 kd/day) is to be disposed to TSDF/ Authorized Cement Industries, Waste Oil & Grease (150 Ltrs/Annum) to Authorized recycler. Used Lead acid Batteries (3 Nos/Annum) is to be sent return to manufacturer/dealer on buy back basis for new batteries.
- iii. Boiler Ash is to be sent to cement brick manufacturers.

B. General Conditions:

- i. **This order is valid for a period of 5 years.**
- ii. "Consent for Establishment" shall be obtained from Andhra Pradesh Pollution Control Board under Air and Water Act before the start of any activity / construction work at site.
- iii. Provision shall be made for the housing of the construction labour within the site with all necessary infrastructure and facilities such as safe drinking water, fuel for cooking, mobile toilets, mobile STP, medical health care, crèche etc., The housing may be in the form of temporary structures to be removed after the completion of the project. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
- iv. No change in the process technology and scope of working should be made without prior approval of the SEIAA, A.P. No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA, AP/ MOEF&CC, GoI, New Delhi, as applicable.

- v. The proponent shall submit half-yearly compliance reports in respect of the terms and conditions stipulated in this order in hard and soft copies to the SEIAA on 1st June and 1st December of each calendar year.
- vi. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM, SPM, PM₁₀, PM_{2.5}, SO₂, NO_x monitoring. 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 State Pollution Control Board.
- vii. Data on ambient air quality (RPM, SPM, PM₁₀, PM_{2.5}, SO₂, NO_x, VOCs) should be regularly submitted to the Ministry including its Regional Office located at Bangalore and the State Pollution Control Board/ Central Pollution Control Board once in six months.
- viii. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
- ix. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
- x. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
- xi. The funds of earmarked for environmental protection measures (Capital cost Rs. 5.0 Lakhs and Recurring cost Rs. 2.00 lakhs per /annum) should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the SEIAA, Ministry and its Regional Office located at Bangalore.
- xii. The Regional Office of MOEF&CC located at Chennai monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data/information/monitoring reports.
- xiii. The project proponent shall submit the copies of the environmental clearance to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- xiv. The project authorities should 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 SEIAA, A.P. This order shall be displayed in the website of the project proponent.
- xv. The SEIAA or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- xvi. Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
- xvii. The company shall undertake eco-development measures including community welfare measures in the project area.
- xviii. The proponent shall obtain all other mandatory clearances from respective departments.
- xix. Concealing the factual data or 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.

- xx. The SEIAA may revoke or suspend the order, if implementation of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- xxi. 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.


Sd/-
MEMBER SECRETARY,
SEIAA, A.P.

Sd/-
MEMBER,
SEIAA, A.P.

Sd/-
CHAIRMAN,
SEIAA, A.P.

To

Sri P. Butchinayudamma, MD,
M/s. Orch Laboratories India Pvt. Ltd.,
Plot No.26, Green Avenues, Nizampet Road,
Kukatpalli, Hyderabad – 500 090
Ph.No.9666677764
Email: pbutchi7@yahoo.co.in

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MEMBER SECRETARY
SEIAA, A.P.