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Government of India  
Ministry of Environment, Forest and Climate Change  
(IA Division)

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Dated: 07<sup>th</sup> June, 2017

To,

**The Director**  
**(Shri P. Kasi Viswanadha Raju)**  
**M/s Vensar Laboratories Private Ltd.,**  
**Sy. No. 32, Tupakulagudem,**  
**Pochavaram Panchayat, Tallapudi Mdl,**  
**West Godavari District, Andhra Pradesh**

**Sub: Synthetic Organic Manufacturing Unit at Sy. No. 32, Tupakulagudem Village, Tallapudi Mandal, West Godavari District, Andhra Pradesh by M/s Vensar Laboratories Private Ltd. - Environmental Clearance - reg.**

**Ref.: Your online proposal no. IA/AP/IND2/60135/2014; dated 24<sup>th</sup> January, 2017.**

Sir,

This has reference to your online proposal no. IA/AP/IND2/60135/2014; dated 24<sup>th</sup> January, 2017 along with project documents including Form I, Terms of References, Pre-feasibility Report along with EIA/EMP Report regarding above mentioned project.

2.0 The Ministry of Environment, Forests and Climate Change has examined the application. It is noted that proposal is for Synthetic Organic Manufacturing Unit at Sy. No. 32, Tupakulagudem Village, Tallapudi Mandal, West Godavari District, Andhra Pradesh by M/s. Vensar Laboratories Private Ltd. The total land area of proposed company is 7 acres. The industry proposed to develop greenbelt on all sides of the industry in an area of 2.45 Acres. The proposed project cost is about ₹ 6.00 Crores. The unit has proposed for ₹ 100.0 Lakhs as capital cost and ₹ 19.0 Lakhs as recurring cost for environment pollution control measures. Constructional activities will generate employment to about 50 workers. As per Form-1, it is reported that no national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. lies within 10 km distance. River Godavari is flowing at a distance of 7.8 km in East direction. Following environmental sensitivity involved:

- Fairly dense jungle near Gopavaram - 1.2(WNW)
- Dense Mixed jungle near Hukumpet - 4.8 KMs (NNW)
- Mixed jungle near Rajampalem - 5.1KMs (NNW)

- Vinjaram R.F. -9.1 KMs(NNW)
- Karakapadu RF – 9.4 KMs (NW)
- Polavaram RF- 9.6 (N)

3.0 The PP proposed to manufacture following products:

#### LIST OF PROPOSED PRODUCTS AND CAPACITIES

S. No.	Product Name	CAS Number	Quantity In Kgs/Month	Quantity In Kgs/Day
1	Carvedilol	72956-09-03	5000.00	166.67
2	Citalopram Hydro Bromide	59729-32-7	2000.00	66.67
3	Ketrolac tromethamine	74103-06-3	5000.00	166.67
4	Ramipril	87333-19-5	5000.00	166.67
5	Sertraline Hydrochloride	79559-97-0	5000.00	166.67
6	Terbinafine Hydrochloride	78628-80-5	4000.00	133.33
7	Tramadol Hydrochloride	36282-40-0	5000.00	166.67
<b>Total (Worst combination of any two products on campaign basis only)</b>			<b>10000.00</b>	<b>333.33</b>

#### LIST OF BY- PRODUCTS AND QUANTITIES

S. No.	Name of the Product	Name of the By-Product	Quantity in Kg/Day
1	Citalopram hydro bromide	Magnesium chloride	32.00
2	Ramipril	Triethyl amine Hydrochloride	215.00
3	Terbinafine Hydrochloride	Potassium chloride	31.00

4.0 Total Water consumption of 79.71 m<sup>3</sup>/day an amount of 21.24 m<sup>3</sup>/day of water will be recovered by the ZLD system and reused. Hence, Total fresh water requirement is 58.47 m<sup>3</sup>/day and will be met from Ground Water. Against which 40.00 m<sup>3</sup>/day wastewater will be generated. Wastewater generation shall not exceed 40.00 m<sup>3</sup>/day. Wastewater shall be segregated in High TDS and Low TDS streams. HTDS Effluent shall be sent to MEE system and Condensate to ETP. LTDS effluents shall be treated in ETP-RO Rejects to MEE system and RO permeate to reuse, Condensate from MEE to reuse and MEE residue to AFTD. Domestic wastewater shall be sent to Septic tank followed by soak pit. Plant will be based on Zero Liquid discharge.

Total power requirement for the proposed project will be about 300 KVA which will be sourced from APSPDCL. In addition to this, unit will install one D. G. Set of 250 KVA and will be attached with 10 m stack height. Coal/Agro waste fired boiler of 6 TPH capacity will be installed. Cyclone separator followed by Bag Filter and 30 m stack height will be provided to boiler.

Agro waste/Coal fired Thermo pack Boiler of 2,00,000 K. Cal /hr capacity will be installed with 9 m stack height. Committee suggest to PP to use Cyclone separator followed by Bag Filter to control emissions from Thermo pack Boiler. PP agreed. Cooling Towers of 1000TR capacity will be installed.

Hydrogen chloride will be scrubbed by using chilled water media and Hydrogen Bromide will be scrubbed by using C. S. Lye solution.

Organic waste, Spent carbon and solvent distillation residue will be sent to Cement Industries. MEE Salts and ETP Sludge will be sent to TSDF. Ash from boiler & Thermo pack boiler will be sent to registered Brick Manufacturers. Used Oils and Detoxified Containers will be sent to SPCB Authorized Agencies for Reprocessing/Recycling.

5.0 Public hearing is exempted under para 7 (ii) of EIA Notification, 2006.

6.0 All Synthetic Organic Chemicals Industry located outside the notified industrial area/estate are listed at S.N. 5(f) of Schedule of Environmental Impact Assessment (EIA) Notification under category 'A' and are appraised at Central Level by Expert Appraisal Committee (EAC).

7.0 The proposal was considered by the Expert Appraisal Committee (Industry) in its 19<sup>th</sup> and 23<sup>rd</sup> EAC meeting held during 6<sup>th</sup> - 7<sup>th</sup> February, 2017 and 3<sup>rd</sup> - 5<sup>th</sup> May, 2017 respectively. Project Proponent and the EIA Consultant namely M/s Rightsource Industrial Solutions Pvt. Ltd., have presented EIA/EMP report as per the TOR. EAC has found the EIA/EMP Report to be satisfactory and in full consonance with the presented TORs. The Committee recommended the proposal for environmental clearance.

8.0 Based on the information submitted by the project proponent, the Ministry of Environment and Forests hereby accords environmental clearance to above project under the provisions of EIA Notification dated 14<sup>th</sup> September 2006, subject to the compliance of the following Specific and General Conditions:

**A. Specific Conditions:**

- i. Cyclone separator followed by Bag Filter and adequate stack height shall be provided to Coal/Agro waste fired boiler of 6 TPH capacity and Thermic Fluid Heater of 2,00,000 K. Cal/hr capacity to control the flue gas emissions. Adequate stack height shall be provided to DG set.
- ii. Chilled brine circulation system should be provided to condensate solvent vapors and reduce solvent losses. It should be ensured that solvent recovery should not be less than 95%.
- iii. Hydrogen chloride shall be scrubbed by using chilled water media and Hydrogen Bromide shall be scrubbed by using C. S. Lye solution.
- iv. Fugitive emissions in the work zone environment, product, raw materials storage area etc. should be regularly monitored. The emissions should conform to the limits stipulated by GPCB.
- v. Total fresh water requirement from ground water source shall not exceed 58.47 m<sup>3</sup>/day and prior permission shall be obtained from the CGWA/SGWA.
- vi. Wastewater generation shall not exceed 40.00 m<sup>3</sup>/day. Wastewater shall be segregated in High TDS and Low TDS streams. HTDS Effluent shall be sent to MEE system and Condensate to ETP. LTDS effluents shall be treated in ETP-RO Rejects to MEE system and RO permeate to reuse, Condensate from MEE to reuse and MEE residue to AFTD. Domestic wastewater shall be sent to Septic tank followed by soak pit.

- vii. 'Zero' effluent discharge shall be adopted and no effluent shall be discharged outside the premises.
- viii. Treated effluent should be passed through guard pond. Online pH meter, flow meter and TOC analyzer should be installed.
- ix. The Company should obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 for management of hazardous wastes and prior permission from SPCB should be obtained for disposal of solid/hazardous waste in the TSDF. The concerned company should undertake measures for firefighting facilities in case of emergency.
- x. As proposed, 10 m wide greenbelt of perennial trees in 33 % area should be developed in and around the plant premises to mitigate the effects of fugitive emissions all around the plant as per the CPCB guidelines in consultation with DFO. Selection of plant species should be as per the CPCB guidelines.
- xi. An Environment Cell will be set up with one environmental Manager having post graduate qualification in environmental sciences/Environmental engineering.
- xii. All the recommendations made in the risk assessment report should be satisfactorily implemented.
- xiii. Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.
- xiv. The unit shall have 24x7 air quality monitoring system. Necessary facilities for air quality monitoring in monthly basis shall be installed.
- xv. Detectors for process emission detection shall be installed.
- xvi. As proposed, Organic waste, Spent carbon and solvent distillation residue will be sent to Cement Industries. MEE Salts and ETP Sludge will be sent to TSDF. Ash from boiler & Thermo pack boiler will be sent to registered Brick Manufacturers. Used Oils and Detoxified Containers will be sent to SPCB Authorized Agencies for Reprocessing/Recycling.
- xvii. All the commitment made regarding issues raised during the earlier Public Hearing/consultation meeting held on 28.05.2009 shall be satisfactorily implemented.

**B. GENERAL CONDITIONS:**

- i. The project authorities must strictly adhere to the stipulations made by the state Pollution Control Board (SPCB), State Government and any other statutory authority.
- 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 locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.

- iv. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16<sup>th</sup> November, 2009 shall be followed.
- v. 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).
- vi. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.
- vii. 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. Training to all employees on handling of chemicals shall be imparted.
- viii. The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.
- ix. The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.
- x. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- 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. The company shall earmark sufficient funds towards capital cost and recurring cost per annum 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 earmarked for environment management/pollution control measures shall not be diverted for any other purpose.
- xiii. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, ZilaParisad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal.
- xiv. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
- xv. The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance

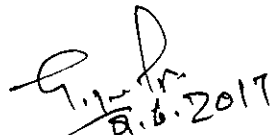
conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

- xvi. 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://moef.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.
- xvii. 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.

9.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

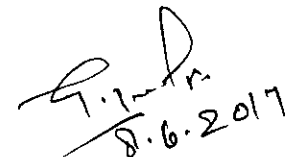
10.0 The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.

11.0 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, the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

  
(Yogendra Pal Singh)  
Scientist 'D'

**Copy to:-**

1. The Principal Secretary, Department of Environment, Forest, Science & Technology, Government of Andhra Pradesh, Hyderabad, Andhra Pradesh.
2. The Chief Conservator of Forests, Regional Office (Southern Zone, Bangalore) Kendriya Sadan, 4<sup>th</sup> Floor, E&F Wing, II Block Koramangala, Bangalore - 560 034.
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
4. The Chairman, Andhra Pradesh Pollution Control Board, Paryavaran Bhawan, A-III, Industrial Estate, Sanath Nagar, Hyderabad, Andhra Pradesh.
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi.
6. Guard File/Monitoring File/Record File.

  
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