

**Government of Maharashtra**

SEAC- 2012/CR- 364/TC-2  
Environment department  
Room No. 217, 2<sup>nd</sup> floor,  
Mantralaya Annex,  
Mumbai- 400 032.  
Dated: 11<sup>th</sup> March, 2015

To,  
Mr. V.S. Ghare  
Plot N-48, Additional MIDC,  
Ambarnath, Dist Thane

**Subject: Environment Clearance for proposed expansion of active pharma intermediates  
Ambarnath by M/s. V&V Pharma Industries**

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification, 2006, by the State Level Expert Appraisal Committee-I, Maharashtra in its 93<sup>rd</sup> meeting and decided to recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 81<sup>st</sup> meeting.

2. It is noted that the proposal is considered by SEAC-I under screening category 5(f) B1 as per EIA Notification 2006.

**Brief Information of the project submitted by Project Proponent is as:**

Name of the Project	M/s. V & V Pharma Industries
Project Proponent	Name: Mr. V.S. Ghare Plot N-48, Additional Ambarnath-MIDC, Ambarnath , Dist Thane
Consultant	Sadekar Enviro Engineers Pvt. Ltd.
New Project / Expansion in existing project/	Expansion in existing project
Activity schedule in the EIA Notification	Schedule 5 (f) B1
Area Details	Total plot Area: 5400.00 Sq. mtrs Total Built up area: 1321.78 sq. mt Additional Ambarnath area (Notified Industrial Area)
Name of the Notified Industrial area / MIDC	M.I.D.C , Additional Ambarnath, Thane, Maharashtra
TOR given by SEAC? (If yeas then specify the meeting)	Application submitted to SEAC-1 on 25-8-2014. The EIA report is based as per the provisions of EIA notification no S.O. 1533 (E) dated 14/2006 amended on Jan 19, 2009

	based on Model TOR.				
Estimated capital cost of the Project (including cost for land, building, plant and machinery separately)	Total Cost of existing project :Rs. 4.72 Crores Total Cost of Proposed Expansion: 1 Cr				
Location details of the project :	<input type="checkbox"/> Lat 19 <sup>0</sup> 10' 17.42'' N <input type="checkbox"/> Long 73 <sup>0</sup> 12' 16.15'' E <input type="checkbox"/> Location: - Plot N-48, Additional Ambernath-MIDC, Ambernath , Dist Thane <input type="checkbox"/> Elevation above Mean Sea Level (meters):- 69 mtrs				
Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas / inter-State boundaries	Project is in Additional Ambernath MIDC Thane				
Production details	Name of products, by products and intermediate products	Existing (MT/year)	Proposed activity (new/modernization/expansion)	Total (T/year)	
	Sr. No.	EXISTING PRODUCT NAME	Total CAPACITY PER ANNUM	NAME OF PRODUCT	Production Quantity (MT/Year)
	1.	LAE salts	9 MT	Ambroxol hydrochloride	5.0
	2.	Mucic acid	12 MT	Aripiprazole	4.0
	3.	Furandicarboxylates	6 MT	Bezafibrate	4.0
	4.	Indanones 5,6-Dimethoxyindanone 1-Indanone	9 MT	Levosulpiride	6.0
	5.	Phenanthrolines	3 MT	Donepezil	6.0
	6.			Etodolac	4.5
	7.			Flurbiprofen	4.0

				n	
	8			Loxoprofen	4.5
	9			Furosemide	4.0
	10			Leflunomide	4.0
	11			Lumefantrine	4.5
	12			Phloroglucinol	4.5
	13			Rasagiline HCl	6.0
	14			Telmisartan	4.0
	15			Valsartan	5.0
	16			Bromhexine	5.0
	17			7-Hydroxy-3,4-dihydrocarbostyryl	3.0
	18			1-(2,3-Dichlorophenyl)piperazine	6.0
	19			Isovanillin	6.0
		Total	39 MT	TOTAL	90.0
Rain Water Harvesting(RWH)	<input type="checkbox"/> Level of the Ground water table – 4 - 5 mtr. <input type="checkbox"/> Size and no of RWH tank(s) and Quantity 50 m <sup>3</sup> <input type="checkbox"/> Location of the RWH tank(s) SW corner of plant				
Total Water Requirement	Total water requirement Total water permitted (Consent to operate): 54 CMD Existing Water Requirement: 25 CMD Proposed Water Requirement: 29 CMD				
Storm water drainage	<input type="checkbox"/> Natural water drainage pattern ; Yes it is provided <input type="checkbox"/> Quantity of storm water: - <input type="checkbox"/> Size of SWD: 500mm x 700mm				
Sewage generation and treatment	<input type="checkbox"/> Amount of sewage generation (CMD)- 4.0 <input type="checkbox"/> Proposed treatment for the sewage: septic tank followed by soak pit				
Effluent characteristic	Sr no	Parameters (pH,BOD,COD ,heavy metal.ect	Inlet effluent characteristic	Outlet effluent characteristic	Effluent discharge standard (CPC B/MP

					CB)		
	1	pH	6-8	6.5-8.5	5.5-9		
	2	COD	3240	198	250		
3	BOD	886	53.7	100			
4	TDS	2400	1800	2100			
ETP details			<input type="checkbox"/> Amount of effluent generation (CMD): Below 18 CMD (Existing [8CMD] + Proposed [10 CMD]) <input type="checkbox"/> Capacity of the ETP (CMD): 25 CMD <input type="checkbox"/> Amount of treated effluent recycled (CMD): Boiler water will be reused i.e 2 CMD from Existing & 3 CMD from Proposed) <input type="checkbox"/> Amount of water send to the CETP (CMD) : Below 18 CMD <input type="checkbox"/> Membership of the CETP (If require): CETP Member ship Obtained				
Note on ETP technology to be used			Primary Treatment , Biological treatment and Pressure sand & Activated carbon filter				
Disposal of the ETP sludge (If applicable)			8 MT / Annum- Disposed to CHWTDS (Existing + Proposed)				
Solid waste Management			Sr no	Source	Qty(TPM )	Form (sludge/Dry/slurry etc.)	Composition
			1	ETP	8 (Existing + Proposed)	Sludge	Chemical sludge from WWT
			2	Process-Residue & waste	(0.6 Existing) + (0.8 Proposed)	Dry	From process and distillation column
			<ul style="list-style-type: none"> <li>• If waste(s) contain any hazardous/toxic substance/radioactive materials or heavy metals then provide quantity, disposal data and proposed precautionary measures.</li> <li>• What are the possibilities of recovery and recycling of wastes?</li> </ul>				

- Possible users of solid waste
- Method of disposal of solid waste: sent to Hazardous waste site

Atmospheric Emissions (Flue gas characteristics SPM, SO <sub>2</sub> , NO <sub>x</sub> , CO, etc.)	Sr No	Pollutant	Source of emission	Emission Rate (Kg/hr)	Concentration in flue gas (g/m <sup>3</sup> )
	1	SPM	Boiler Stack	-	56.38 mg/Nm <sup>3</sup>
	2	SO <sub>2</sub>			0.15 Kg/hr
	3	NO <sub>x</sub>			-
	4	CO			-
	5	others			-

Stack emission Details: (All the stacks attached to process units, Boilers, Boilers, captive power plant, D.G. Sets, Incinerator both for existing and proposed activity). Please indicate the specific section to which the stack is attached. e.g.: Process section, D.G. Set, Boiler, Power Plant, incinerator etc. Emission rate (kg/hr.) for each pollutant (SPM, SO <sub>2</sub> , NO <sub>x</sub> etc. should be specified	Plant section & units	Stack no	Height from ground level (M)	Internal diameter (top)(m)	Emission rate (m <sup>3</sup> /h) NPT	Temp. of exhaust
	Boiler (1nos)	1	35	0.45m	-	90 to 110 °C
	Boiler (1 nos.) Proposed (As stand by)	1	35	0.45m	-	90 to 110 °C
	D.G. Set	1	3 mtrs above roof	0.15 m	-	140-155 °C

Emission Standard	Pollutants (SPM,SO <sub>2</sub> ,ect)	Emission standard limit (ug/Nm <sup>3</sup> )	Proposed limit (mg/Nm <sup>3</sup> )	MPCB consent (ug/Nm <sup>3</sup> )
	SPM	150	56.38 mg/Nm <sup>3</sup>	150

Ambient Air Quality Data	Pollutant	Permissible standard	Proposed concentration (in ug/m <sup>3</sup> )	Remarks			
	PM 2.5	60 ug/m3	<60 ug/m3	--			
	PM 10	100 ug/m3	<100 ug/m3	--			
	SO <sub>2</sub>	80 ug/m3	<80 ug/m3	--			
	NO <sub>x</sub>	80 ug/m3	<80 ug/m3	--			
Details of Fuel to be used:	Sr no	Fuel	Daily Consumption (KLD) Existing	Proposed	Calorific value(kcal/kg)	% ash	% Sulphur
	1	HSD	30 Ltr	No need for extra fuel	10700	0.02%	0.05 - 0.25%
	2	F.O.	200 ltr/D	300 ltr/D	10500	0.1%	2-4%
	<input type="checkbox"/> Source of fuel: Local <input type="checkbox"/> Mode of transportation of fuel to site: By Road						
Energy	Power supply: Total sanctioned power supply(Consent) 375 KVA <input type="checkbox"/> Existing power requirement: 195 KVA <input type="checkbox"/> Proposed power requirement: 180 KVA DG sets: <input type="checkbox"/> Number and capacity DG sets to be used (existing and proposed) = Existing 1x240 KVA, Proposed : No (Existing DG set will used)						
Green Belt Development	<input type="checkbox"/> Green belt area (Sq. m.): 945 Sq mts <input type="checkbox"/> Number and species of trees to be planted: - (Existing +Proposed) about 60 Nos., Cassia, Bottle Brush, Chapa, Apta, Parijat, Neem, Gulmohar, Karanj and Ashoka.						
Details of Pollution Control Systems	Sr no		Existing pollution control system	Proposed to be installed			
	1	Air	Scrubbers	Same will be utilized			
	2	Water	ETP	Existing will be			

				utilized
	3	Noise	Acoustic Enclosure for DG sets	Existing will be utilized
	4	Solid waste	Disposal to Authorized common facility	Existing will be utilized
Environmental Management plan <input type="checkbox"/> O&M cost (With break up) : Budgetary Allocation	<input type="checkbox"/> Capital cost (With break up) : 48.50 Lakh <input type="checkbox"/> O&M cost (With break up) : 15,25,000 Lakh			
	Sr no		Recurring Cost per annum Rs.	Capital Cost Rs.
	1	Air Pollution Control	1,00,000/-	8,00,000/-
	2	Water Pollution Control	10,00,000/-	28,50,000/-
	3	Noise Pollution Control	25,000/-	40,000/-
	4	Environment monitoring and Management	1,40,000/-	--
	5	Reclamation borrow/mined area (if applicable )	--	--
	6	Occupational health	65,000/-	3,60,000
	7	Green Belt	1,00,000/-	1,00,000/-
	8	Solid west management	60,000/-	--
	9	RWH	35,000/-	700,000/-
		Total Cost	15,25,000/-	48,50,000/-
EIA Submitted (If yes then submit the salient features)	Revised EIA submitted on 27/5/2014.			

3. The proposal has been considered by SEIAA in its 81<sup>st</sup> meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions :

**General Conditions for Pre- construction phase:-**

- (i) No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
- (ii) For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.
- (iii) Regular monitoring of the air quality, including SPM & SO<sub>2</sub> levels both in work zone and ambient air shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be


- decided in consultation with Maharashtra Pollution Control Board (MPCB) & submit report accordingly to MPCB.
- (iv) Necessary arrangement shall be made to adequate safety and ventilation arrangement in furnace area.
  - (v) Proper Housekeeping programmes shall be implemented.
  - (vi) In the event of the 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.
  - (vii) A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable)
  - (viii) A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
  - (ix) Arrangement shall be made that effluent and storm water does not get mixed.
  - (x) Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.
  - (xi) Leq of Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.
  - (xii) The overall noise levels in and around the plant are 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.
  - (xiii) Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
  - (xiv) Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.
  - (xv) Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
  - (xvi) The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
  - (xvii) 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 Waste (Management and Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.
  - (xviii) 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 process.
    - Maximizing Recoveries.
    - Use of automated material transfer system to minimize spillage.
  - (xix) Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.
  - (xx) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
  - (xxi) Transportation of ash will be through closed containers and all measures should be taken to prevent spilling of the ash.
  - (xxii) Separate silos will be provided for collecting and storing bottom ash and fly ash.



- (xxiii) Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department
  - (xxiv) The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <http://ec.maharashtra.gov.in>
  - (xxv) Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1<sup>st</sup> June & 1<sup>st</sup> December of each calendar year.
  - (xxvi) A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
  - (xxvii) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectorai parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
  - (xxviii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC 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 the SPCB.
  - (xxix) The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent 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 EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.
4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.
  5. The Environment department reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.
  6. **Validity of Environment Clearance:** The environmental clearance accorded shall be valid for a period of 5 years to start of production operations.
  7. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to

assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

8. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling ) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.
9. Any appeal against this environmental clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1<sup>st</sup> Floor, D-, Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

  
(Ajoy Mehta)  
Principal Secretary,  
Environment department &  
MS, SEIAA.

**Copy to:**

1. Shri. R. C. Joshi, IAS (Retd.), Chairman, SEIAA, Flat No. 26, Belvedere, Bhulabhai desai road, Breach candy, Mumbai- 400026.
2. Shri T. C. Benjamin, IAS (Retired), Chairman, SEAC-I, 602, PECAN, Marigold, Behind Gold Adlabs, Kalyani Nagar, Pune – 411014. .
3. Additional Secretary, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
4. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
5. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).
6. Regional Office, MPCB, Thane.
7. Collector, Thane
8. IA- Division, Monitoring Cell, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
9. Select file (TC-3)

(EC uploaded on 13/03/2015 )