

Government of Maharashtra

SEAC-2511/CR-741/TC2
 Environment department
 Room No. 217, 2nd floor,
 Mantralaya Annexe,
 Mumbai- 400 032.
 Dated: 12th May, 2014

To,
 M/s. Emcure Pharmascuticals Limited.
 Plot No. 12/1,12/2,F-II Block,
 MIDC, Pimpri- 411018

Subject: Environment clearance for proposed Expansion of existing project at Plot No12/1,12/2, F-II Block,Pimpri MIDC, Tal.Haveli, Distt. Pune by M/s. Emcure Pharmascuticals Limited.

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 67th & 62nd meetings 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 63rd & 67th Meetings.

2. It is noted that the proposal is for grant of Environment Clearance for proposed Expansion of existing project at Plot No12/1, 12/2, F-II Block,Pimpri MIDC, Tal.Haveli, Distt. Pune. SEAC considered the project under screening category 5(f) B1 of EIA Notification 2006.

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

Name of the project	Expansion of API and pharmaceutical intermediates Existing Capacity- 200 Kg/M Proposed Capacity – 1.8 MT/M (Total Capacity after expansion – 2.0 MT/M)
Project Proponent	M/s Emcure Pharmaceuticals Ltd.
Consultant	M/s.Sadekar Enviro Engineers Pvt. Ltd
Activity schedule in the EIA Notification	5(f) B1,
Area Details	Total Plot area of Plot 12/1- 4072.00 m2 Total Plot area of Plot 12/2- 3966.00 m2 Total Built up area of Plot 12/1- 2025.463 m2 Total Built up area of Plot 12/2- 2946.71 m2
Name of the Notified Industrial area	MIDC Pimpri
TOR given by SEAC? (If yeas then specify the meeting)	The ToR was approved during the expert committee meeting held on 17, November 2011 held at DoE, Mumbai, Maharashtra vide letter no. SEAC 2011/CR 741/TC-2.
Estimated capital	Total Project Cost: Rs.23.41 Cr.

cost of the Project				
Location details of the project :	Latitude:- 18 ⁰ 38' 56.28"N Longitude:- 73 ⁰ 49' 28.53"E Location: - Plot No. 12/1,12/2,F-II Block, MIDC – Pimpri, Dist – Pune. Elevation above Mean Sea Level (metres):- 651 M			
Distance from Protected Areas	Does not exist in 10 Km radius.			
Production details	Name of products, by products and intermediate products	Existing (T/year)	Proposed activity (new/modernization /expansion) T/year	Total (T/year)
	S(-) Amlodipine Besilate	1.2	-	1.2
	API and Pharmaceutical intermediates	1.2	12.0	13.2
Process details /manufacturing details	Reaction such as polymerization, separation, then purification, drying and packing			
Rain Water Harvesting(RWH)	Level of the Ground water table: 40M			
Total Water Requirement	Total water requirement: Fresh water (CMD) : Source :M.I.D.C Water supply Use of the water: Process (CMD) : 25 m ³ /day. Cooling water (CMD) : 15 m ³ /day. DM Water (CMD): m ³ /day. Drinking (CMD) : 5 Fire service (CMD) : 100 M ³			
Storm water drainage	Natural water drainage pattern : Yes Quantity of storm water: - Size of SWD : 0.45 x 0.45			
Sewage generation and treatment	Amount of sewage generation (CMD) : 3.75 m ³ /day			

Effluent characteristic	Sr.no	Parameters (ph,bod,cod, heavy metal.ect	Inlet effluent characteristic	Outlet effluent characteristic	Effluent discharge standard (CPCB/MPCB)
	1	PH	7.90	7.63	5.5-9.0
	2	TSS	215	53	<100
	3	COD	6247	180	<250
	4	BOD	2142	25	<30
	5	Oil Grease	Nil	Nil	<10
	6	TDS	1634	1035	<2100
	7	Chloride	420	235	< 600
	8	Sulphate	516	431	< 1000

ETP details	Amount of effluent generation (CMD) : 23.5 M³/Day Capacity of the ETP (CMD) :- 25 m³/day Amount of treated effluent recycled (CMD): 23.5 m ³ /day for green belt Membership of the CETP (If require): If yes then attach the letter submit the letter :-
Note on ETP technology to be used	We have Biological Treatment consisting of Primary, Secondary and tertiary

Disposal of the ETP sludge (If applicable)	Disposal : CHWTSDF Ranjangaon				
Solid waste Management	Sr no	Source	Qty(TP M)	Form (sludge/Dry/slurry ect.)	Composition
	1	ETP	0.83	Sludge	Inorganic
	2	Process	0.416	Dry	Organic
	3	Spent Catalyst	0.01	sludge	Inorganics
	4	Oily Sludge	Nil		
	5	Others like Battery waste, e waste etc (PlSpecify)	0.25	Liquid	Organic
		Spent organic solvent Process residue & waste	0.416	Solid	Organic
<ul style="list-style-type: none"> • If waste(s) contain any hazardous/toxic substance/radioactive materials or heavy metals then provide quantity, disposal data and proposed precautionary measures. • What are the possibilities of recovery and recycling of wastes? • Possible users of solid waste • Method of disposal of solid waste: 					
Atmospheric Emissions (Flue gas characteristics SPM, SO₂, NO_x, CO,	Sr No	Pollutant	Source of emmision	Emmision Rate (Kg/hr)	Concentration in flue gas (g/m3)
	1	SPM	Boiler	Negligible	Negligible

etc.)	2	SO ₂	Boiler	Negligible	Negligible
	3	NO _x	Boiler	Negligible	Negligible
	4	CO	Boiler		
	5	others			

Stack emission Details: for each pollutant (SPM, SO ₂ , NO _x etc. should be specified	Plant section & units	Stack no	Height from ground level (M)	Internal diameter (top)(m)	Emission rate	Temp.of exhaust
	Boiler (Non IBR)	1 st	30 m	0.30	Negligible	120 deg C
Emission Standard	Pollutants (SPM,SO ₂ , etc)	Emission standard limit (mg/Nm ³)	Proposed limit (mg/Nm ³)	MPCB consent (mg/Nm ³)		
	SPM	150	110	150		
Ambient Air Quality Data	Pollutant	Permissible standard	Proposed concentration (in ug/m ³)	Remarks		
	SPM	60	16.5	Within Limit		
	RPM	100	77.29	Within Limit		
	SO ₂	80	16	Within Limit		
	NO _x	80	20	Within Limit		
	CO	<4	<4	Within Limit		
Details of Fuel to be used:	Sr no	Fuel	Daily Consumption (TPD/KLD)	Calorific value(kcals/kg)	% ash	% Sulphur
			Existing	Proposed		
	3	Hsd		78 Lit / hr	10270	Nil 0.3%
Source of fuel: Mode of transportation of fuel to site:						
Energy	Power supply: Existing power requirement: Proposed power requirement: 22 KW DG sets: Number and capacity DG sets to be used (existing and proposed) : Additional Fuels - HSD 78 Lit / hr					

Green Belt Development	Green belt area (Sq. m.): 1534.93 Sq. m (Existing) : 1117.61 Sq. m.(Proposed) Total Green Belt Area: 2652.54 Sq. m. Number and species of trees to be planted :- Existing – 120 and proposed- 25		
Detailsof Pollution Control Systems	Sr n o	Existing pollution control system	Proposed to be instsllled
	1	Air	2 Nos Scrubber, 1 Nos Dust collector
	2	Water	ETP
	3	Noise	Adequate measures for control of noise levels will be implemented to maintain noise levels.
	4	Solid waste	Sludge sent CHWTDF Ranjangaon
Environmental Management plan Budgetary Allocation	Sr no	Recurring Cost per annum Rs. lakh.	Capital Cost Rs. lakhs
	1	Air Pollution Control	0.5
	2	Water Pollution Control	18.0
	3	Noise Pollution Control	-
	4	Laboratory Facility for Monitoring	2.0
	5	Hazardous Waste Cost	2.0
	6	Occupational health	-
	7	Green Belt	2.0
	8	Others (Pl.Specify) Total	5.0 25.0 54.0
EIA Submitted(If yes then submit the salient features)	<p>Period of data collected : Mar to May 12</p> <p>Details of the primary data collection (i.e. location of the sample collection, number of visit, etc) : Project Site, Pimpri, Moshi, Chinchwad</p> <p>Details of the secondary data collection (i.e. Source and year of data) : Indian Meterological Departement, Forest Department, District gazette of Pune, Census of India 2001 data.</p> <p>Potential hazard and mitigation measures; No potential hazards</p> <p>Conclusion of the EIA study: The location of Emcure plant is at designated industrial zone of Govt. of Maharashtra. Since the establishment of Emcure, the environmental protection measures addressed efficiently. The environmental baseline data collected in</p>		

	<p>winter season also convey that there is no increase in environmental pollution due to proposed activity. Hazardous waste generated will be disposed to Hazardous waste disposal site duly authorized by MPCB. The Emcure has full fledged fire and safety management which includes fire hydrant and other related systems. The occupational health plan will also be addressed properly. In view of all above points and having commitments towards protection of environment by the company it is concluded that the propose unit will not add any pollution load and no negative impact on the environment is predicted</p>
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3. The proposal has been considered by SEIAA in its 63rd & 67th meetings & 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 :

- (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) PP has to abide by the conditions stipulated by SEAC & SEIAA
- (iv) Regular monitoring of the air quality, including SPM & SO₂ 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.
- (v) Necessary arrangement shall be made to adequate safety and ventilation arrangement in furnace area.
- (vi) Proper Housekeeping programmes shall be implemented.
- (vii) 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 achieve.
- (viii) A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set.(If applicable)
- (ix) A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
- (x) Arrangement shall be made that effluent and storm water does not get mixed.

- (xi) 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.
- (xii) 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.
- (xiii) 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 confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.
- (xiv) 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.
- (xv) 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.
- (xvi) Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
- (xvii) The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
- (xviii) 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.
- (xix) 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.
- (xx) 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.
- (xxi) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- (xxii) Transportation of ash will be through closed containers and all measures should be taken to prevent spilling of the ash.

- (xxiii) Separate silos will be provided for collecting and storing bottom ash and fly ash.
- (xxiv) 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.
- (xxv) 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>
- (xxvi) 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 1st June & 1st December of each calendar year.
- (xxvii) 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.
- (xxviii) 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, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral 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.
- (xxix) Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.
- (xxx) A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.
- (xxxi) The environmental clearance is being issued without prejudice to the 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 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.
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, Van Vigyan Bhawan, Sec- 5, R.K. Puram, New Dehli – 110 022, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010


(R.A. Rajeev)
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. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
3. 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).
4. Regional Office, MPCB, Pune.
5. MD, MIDC, Pune.
6. Collector, Pune
7. IA- Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi-110003.

8. Director (TC-1), Dy. Secretary (TC-2), Scientist-1, Environment department.
9. Select file (TC-3).

(EC Uploaded on 17/5/2014)