

State Level Environment Impact Assessment Authority, Rajasthan

4, Institutional Area, Jhalana Doongri, Jaipur-302004

Phone: 0141-2705633, 2711329 Ext. 361

File No. F1 (4)/SEIAA/SEAC-Raj/Sectt/Project/Cat(5(f)B1(494)13-14 Jaipur, Dated:

10 APR 2014

To,
M/s Ecosol Industries Pvt. Ltd.
177-A2, First Floor Jeewan Nagar,
New Delhi -110014

Sub: E.C for Ecosol Industries Pvt. Ltd. A proposed Bulk Drugs and its Intermediates manufacturing unit. Plot no. SP 3 – 2 Village Desula Tehsil Alwar State Rajasthan.

Sir,

This has reference to your application dated 28.09.12 environmental clearance for the above project under Environment Impact Assessment Notification 2006. The proposal has been appraised as per prescribed procedure in the light of provisions under the Environment Impact Assessment Notification 2006 on the basis of the mandatory documents enclosed with the application viz. the questionnaire, Environment Management Plan and additional clarifications furnished in response to the observation of the State Level Expert Appraisal Committee Rajasthan, in its meeting held on 16-17.11.12, 25-26.06.13, 25.11.13 & 20.02.14.

2. Brief details of the Project:

1.	Category / Item no.(in Schedule):	5(f)B1				
2.	Location of Project	Plot no. SP 3 – 2 Village Desula, Tehsil & District Alwar, State Rajasthan				
3.	Land Use	Particulars			Area (sq. m)	Percentage (%)
		Plant Area, Office Area (all covered area)			5086	19.73
		Paved Area (Road, Corridor, Parking and drainage)			4864	18.86
		Green Belt Area			8508.72	33.00
		Open Area			7325.28	28.41
		Total Area			25784	100
4.	Project Details	S. No.	Group/product	Individual Product Capacity (TPM)	Total Capacity (TPM)	Total capacity (TPA)
		Group A				
		ANTIBIOTICS- PENICILLINS			ALTERNATIVE Production with maximum capacity as 120 TPM	Production with maximum capacity as 720 TPA
		1.	Oxacillin Sodium	40		
		2.	Flu Cloxacillin Sodium	40		
		3.	Di Cloxacillin Sodium	120		
		4.	Cloxacillin Sodium	120		
		5.	Amoxycillin Trihydrate	120		
		6.	Ampicillin Trihydrate	40		

		ANTIBIOTICS- CEPHALOSPORINS			Alternative Production with maximum capacity 120 TPM as Production with maximum capacity as 720 TPA					
		7.	Cefuroxim Axetil	18						
		8.	Cefixime Trihydrate	18						
			Total				120	720		
		Group B								
		ANTIBIOTICS- PENICILLINS					Alternative Production with maximum capacity 120 TPM as Production with maximum capacity as 720 TPA			
		9.	Piperacillin	20						
		10.	Bacampicillin	20						
		11.	Tazobactam	20						
		12.	Sulbactam	20						
		ANTIBIOTICS- CEPHALOSPORINS								
		13.	Cefaclor	20						
		14.	Cefprozil	20						
		15.	Cefdinir	20						
		16.	Cefipime	20						
		17.	Cefpodoxime Proxetil	20						
		18.	Cefditoren Pivoxi	4						
		ANTIBIOTICS- CARBAPENEMS								
		19.	Cilastatin	2						
		20.	Lmipenem	4						
		21.	Meropenem	2						
		22.	Doripenem	2						
		23.	Ertapenem	2						
		OTHER BULK DRUGS & INTERMEDIATES								
		24.	Atorvastatin	20						
		25.	CMIC Chloride	120						
		26.	DCMIC Chloride	80						
		27.	FCMIC Chloride	40						
		28.	PMIC Chloride	20						
		29.	Sodium 2 Ethyl HEXanoate	120						
		30.	7 ANCA	20						
		31.	CMIC Acid	120						
		32.	Fluconazole	2						
		33.	Furosemide	4						
		34.	Ofloxacin	4						
		Total							120	720
		5	Expected Cost:	Rs. 38.60 Crore						
6.	Water Requirement & Source	Daily fresh water demand will be 23.2KLD(earlier proposal 24 KLD). Around 111 KLD water will be required for manufacturing purpose and 90 KLD for domestic use.								
		S. No.	Purpose	Quantity KLD						
		1	One time water demand	114 KLD						
		2	Daily fresh water demand	23.2 KLD						
		3	Recycled water	90.8 KLD						
		Source:- RIICO Supply & ground water will meet this water demand.								
7.	Fuel & Energy:-	The power demand of the units is 2000 kVA, the power will provide by RIICO. The company proposes 2 D.G. sets of 750 kVA and 1 D. G. 500 kVA in order to have continuous supply of power. One boiler of 2 ton capacity and one boiler of 4TPH/ 10 Kilo Cal Hot oil heater.								

8.	Environment Management Plan	S. No.	Particulars	Capital Cost in Lacs	Recurring Cost in Lacs per annum
		1.	Air Pollution Control	14	1.50
		2.	Water Pollution Control	30	2.50
		3.	Noise Pollution Control	15	0.50
		4.	Environmental Monitoring and Management	12	2.0
		5.	Occupational Health	15	1.0
		6.	Green belt	3	0.8
		7.	Rain water harvesting	7	0.6
			Total	96	8.9
9.	CSR Activates	<ul style="list-style-type: none"> ➤ The proposed project aims to provide health camps and access treatment programme through its Mobile Medical Van. ➤ The P.P. aims to provide medicines to the villagers (of the nearest study area) at nominal or discounted rates from the market price. ➤ The amount for the CSR is proposed to be Rs. 38.50 Lac (initially Rs 35.00 Lac) as capital cost for first year and Rs 3.6 Lac for the next 2-3 years (earlier Rs. 20.00 thousand) as recurring cost. 			
10	Green Plantation	The plant has proposed to develop 33.00% (8508.72 sq. m.) green belt area of the total plot.			
11	ETP	ETP of capacity 20 KLD and septic tank followed with soak pit for domestic waste 2 KLD.			
12	Budgetary breakup for last year	5.25 Lac			

3. The SEAC Rajasthan after due considerations of the relevant documents submitted by the project proponent and additional clarifications/documents furnished to it have recommended for Environmental Clearance with certain stipulations. The SEIAA Rajasthan after considering the proposal and recommendations of the SEAC Rajasthan hereby accord Environmental Clearance to the project as per the provisions of Environmental Impact Assessment Notification 2006 and its subsequent amendments, subject to strict compliance of the terms and conditions as follows:

- The PP shall operate its unit with prior Consent to Establish and Consent to Operate under the provisions of Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981.
- The production capacity of the industry shall be limited to production of 1440 TPA Bulk Drugs & its Intermediates, proposed as above.
- The PP shall ensure the implementation of the commitments in respect of addressing Environmental and Social issues.
- The PP shall ensure providing 33% area of the total plant area under green cover.
- That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the industry / unit / project proponent.
- As committed, the PP shall earmark and spend an amount of Rs. 96 lac towards capital cost and Rs. 8.9 lac as annual recurring cost on various environmental protection measures and implementation of various activities under Environmental Management Plan.
- The PP shall earmark and spend an amount of Rs 38.50 Lac for 3 year, as CSR as per the proposal submitted and the detailed action plan be submitted to RSPCB at the time seeking CTE.
- The P.P. shall ensure taking necessary steps on urgent basis to improve the living conditions of the labour at site and provide health facility, sanitation facility, fuel for

cooking, along with safe drinking water, medical camps, and toilets for women, crèche for infants. As proposed the PP shall earmark and spend an amount of Rs. 5.25 Lac for labour welfare.

- ix Total water demand will be 114 KLD which will be met through RIICO, as proposed.
- x For withdrawing ground water from bore wells, necessary permission from CGWA should be taken.
- xi The PP shall achieve the stack emission standards and ambient air standards as notified under E. P. Rules 86 and its subsequent amendments.
- xii The height of the stack for disbursement of the process emissions shall not be less than 30.00 Mtrs. from ground level.
- xiii The particulate matter and gaseous emissions (SO_x, NO_x, CO, CO₂, etc) from various processes/units/storages shall conform to the standards prescribed by the State Pollution Control Board /Central Pollution Control Board or under the Environment (Protection) Rules' 86 from time to time.
- xiv At no time, the emissions shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the units, the unit shall immediately put off operation and shall not restart until the control measures are rectified to achieve the desired efficiency.
- xv Ambient air quality monitoring stations shall be set up in the down wind direction as well as where maximum ground level concentration of PM₁₀ & PM_{2.5}, SO_x, NO_x, CO, CO₂, and F (Total) are anticipated in consultation with Rajasthan State Pollution Control Board.
- xvi The project proponent shall carry out regular monitoring of air emissions (at source, work environment and ambient air) and assessment of performance of Air pollution control arrangements.
- xvii Portholes and sampling facilities shall be provided for the stacks emissions monitoring as per the CPCB guidelines. Stack emissions shall be monitored in consultation with RPCB.
- xviii The PP shall draw the Safety, Health & Environment (SHE) Plan and submit to RPCB.
- xix Data on ambient air quality and stack emissions shall be submitted to RPCB, once in six months carried out by MOEF/NABL/CPCB/ Govt. approved lab.
- xx The PP shall provide separate drainage and outlets with the precaution that the storm water shall not come into contact with waste sludge.
- xxi The unit shall obtain proper authorization from Rajasthan State Pollution Control Board, if it generates any waste which falls under the purview of HWMHR-2008.
- xxii Handling, manufacture, storage and transportation of hazardous chemicals shall be in accordance with the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 (amended till date).
- xxiii Adequate measures for the control of noise shall be taken so as to keep the noise levels below 85 dB (A) in the work environment. Persons working near the machines shall be provided with well-designed ear muffs/plugs and other personnel protective equipments.
- xxiv Suitable alarm system and standard procedure for transmitting the information on the occurrence of an accident to the proper focal point shall be established.
- xxv Efforts shall be made to increase green belt all around the premises. Native plant species shall be selected for this purpose in consultation with the local Forest Department A green belt development plan be prepared and implemented so as to cover at least 33% area of the plot size.
- xxvi A qualified person in the field of environment or separate Environmental Management Cell to be established to implement and carry out various functions is set up under the control of a Senior Executive who will report directly to the head of the project.

- xxvii The PP will ensure that no employee or worker remains on duty within the plant premises for more than 8 hours per day in one stretch in normal conditions. However based on plant operation and maintenance tasks, overtime can be provided as per the Rajasthan Factories rules for personnel deployed for more than 8 hours.
- xxviii The funds earmarked for the environmental protection measures shall be kept in separate account and shall not be diverted for other purposes and year wise expenditure shall be reported to the Rajasthan State Pollution Control Board under the rules prescribed for environmental audit.
- xxix Periodical medical checkup of the workers shall be done in six months and records maintained and effects of fluorine on human health need to be taken into special consideration.
- xxx The PP shall ensure taking necessary steps on urgent basis to improve the living conditions of the construction labour at site.
- xxxi The PP shall ensure that, the EC letter as well as the status of compliance of EC conditions and the monitoring data are placed on company's website and displayed at the project site.
- xxxii The SEIAA, Rajasthan reserve the right to add new conditions, modify/ annual any condition and/or to revoke the clearance if implementation of any of the aforesaid condition/other stipulations imposed by competent authorities is not satisfactory. Six monthly compliance status reports on project along with implementation of environmental measures shall be submitted to MoEF, Regional Office, Lucknow and RPCB and SEIAA, Raj.


GENERAL CONDITIONS

- i. The environmental safeguards contained in Form 1-A shall be implemented in letter and spirit.
- ii. Six monthly monitoring reports shall be submitted to Rajasthan and Rajasthan State Pollution Control Board.
- iii. Officials of the RPCB, who would be monitoring the implementation of environmental safeguards, shall be given full cooperation facilities and documents/data by the PP during their inspection. A complete set of all the documents submitted to SEIAA, Rajasthan shall be forwarded to Rajasthan State Pollution Control Board.
- iv. In case of any change(s) in the scope of the project, the PP requires a fresh appraisal by SEIAA/SEAC, Rajasthan.
- v. The SEIAA/SEAC, Rajasthan reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environmental clearance under the provisions of the Environment (Protection) Act-1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
- vi. All the other statutory clearances such as the approvals for storage of diesel from the Chief Controller of Explosives, Fire department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (protection) Act, 1972 etc. shall be obtained, as may be applicable, by PP from the competent authority.
- vii. The PP shall ensure advertising in at least two local news papers widely circulated in the region, one of which shall be in vernacular language that, the project has been accorded environmental clearance and copies of the clearance letters are available with SEIAA, Rajasthan and the Rajasthan State Pollution Control Board and may also be seen on the website of the Board at www.rpcb.nic.in. The advertisement shall be made within 7(seven) days from the date of issue of environmental clearance and a copy shall also be forwarded to the SEIAA, Rajasthan and Regional Office, Jaipur(S) of the Board.
- viii. These stipulations would also be enforced amongst the others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of

Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification' 06.

- ix. Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the proponent, if it was found that construction of the project has been started without obtaining environmental clearance.
- x. Environment clearance is subject to final order of the Honb'le Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition(Civil) No. 460 of the year 2004 as may be applicable to this project.

Yours faithfully,


(Yogendra Kumar Dak)
Member Secretary,
SEIAA Rajasthan

Copy to following for information and necessary action:

1. Secretary, Ministry of Environment and Forest, Govt. of India, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi.
2. Addl. Chief Secretary, Environment Department, Rajasthan, Jaipur.
3. Smt. Alka Kala, Chairman, SEIAA, Rajasthan, 69-A, Bajaj Nagar Enclave, Jaipur
4. Shri Moti Lal Daima, Member, SEIAA, Rajasthan, 48/9, Moti Path, Mansarovar, Jaipur.
5. Member Secretary, Rajasthan State Pollution Control Board, Jaipur for information & necessary action and to display this sanction on the website of the Rajasthan Pollution Control Board, Jaipur.
6. Secretary, SEAC Rajasthan.
7. The CCF, Regional Office, Ministry of Environment & Forests, RO(CZ), Kendriya Bhawan, 5th Floor, Sector 'H', Aliganj, Lucknow-226 020.
8. Environment Management Plan- Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi-110003.
- ✓9. Nodal Officer (Departmental Website), Department of Environment, Government of Rajasthan, Jaipur with the request to upload the copy of this environmental clearance on the website.


M.S. SEIAA (Rajasthan)