

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/Secct/Project/Cat(5(F)B(455)/12-13

Jaipur, Dated: **27 DEC 2013**

To,

M/s. Ranka Organics Pvt. Ltd.
F-271 (A), Mewar Industrial Area Madri,
Udaipur.- 313003

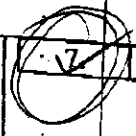
Sub:- "E.C. for Expansion Project of M/s. Ranka Organics Pvt. Ltd. Plot No. E-106-107, RIICO Industrial Area, Village Gudli, Tehsil- Mavli, District- Udaipur, Rajasthan

Sir,

This has reference to your application dated 14.04.2012 seeking environmental clearances for the above project under Environment Management Plan Notification 2006. The proposal has been appraised as per prescribed procedure in the light of provisions under the Environment Management Plan Notification 2006 on the basis of the mandatory documents enclosed with the application viz. the questionnaire, Environment Management Plan, Environment Management Plan and additional clarifications furnished in response to the observation of the State Level Expert Committee Rajasthan, in its meeting held on 18-19.06.12, 26-27.08.13 & 25.11.2013.

2. Brief details of the Project:

1.	Category / Item no.(in Schedule):	5 (F) B				
2.	Location of Project	Plot No. E-107-109, RIICO Industrial Area, Village-Gudli Tehsil-Mavli District-Udaipur (Rajasthan)				
3.	Plot Area etc.	Total plot Area = 18,564 sq, meters				
4.	Product & Capacity	Unit in TPA				
		S. No	Item	Existing capacity (TPA)	Proposed Expansion (TPA)	Total (After Expansion) (TPA)
		(A)	Product:			
		1	2 methyl 5 nitro imidazole	240	-	240
		2	2 methyl imidazole:	240	-	240
		4	Glyoxal-	1800	-	1,800
		5	Glyoxal Acid-	1000	-	1,000
		6	Imidazole-	120	-	120
		7	Picoline Sulphate Salt	-	14,400	14,400
		(B)	By Product:			
		1	Acetic acid:	2400	-	2,400
		2	Add. Acetic acid:	11	-	11
		3	Ammonium Sulphate:	1000	-	1,000
		4	Carbon Sludge	7.5	-	7.5
		5	Oxalic acid-	100	-	100
		6	Sodium Silico-	2.1	-	2.10



	Dilute Nitric Acid	900	45,000	45,900
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5. Expected Cost: Rs 10.00 Crore

6. Water Requirement & Source

S. No.	Process	Total Water Consumption (KLD)
1.	Boiler / Cooling	25
2.	Cooling	10
3.	Domestic	7.5
4.	Industrial process	21
5.	Miscellaneous (Laboratory)	5.0
	Total	68.5

7. Fuel & Energy:-

RIICO supply
 1. Power required for expansion = 350 3. HSD required for 1 no. 380 KVA stand by D.G. set, is Not Mentioned.

8. Environment Management Plan :-

S. No.	Head	Approximate recurring cost per annum (Rs. In lacs)	Approximate capital cost (Rs. Lacs/Annun)	Basis for cost estimates
1.	Air pollution control	5	14	The capital cost would include cost of providing adequate height of the stack, ladder and platform and recurring cost would include cost of monitoring of air environment
2.	Water pollution Control	7	15	Capital cost would include cost of ETP in capital cost civil work, mechanical work, electrical work and piping work is included. Treatment of wastewater at site.
3.	Safety & Occupational Health	3	10	Occupational, health and safety of workers and employee, PPEs etc.
4.	Solid and hazardous waste management	2	10	Capital cost would include cost of providing storage space of hazardous waste and membership of TSDF. Recurring cost would include cost of land filling and transportation.

		5.	Environment monitoring and management	2	5	The recurring cost would be incurred on hiring of consultants and payment of various statutory fees to regulatory agencies.
		6.	Green belt	0.5	2.5	--
		7.	Budgetary provision for Labour	2.0	0.5	Camps - Workforce Arrangement Local workers will be employed, as far as possible in the region where the proposed project site is located, there is considerable industrial activity. Semi-skilled and unskilled workmen are expected to be available from local population in these areas to meet the manpower requirement during construction and erection.
		Total		21.5	57	
9.	CSR	Rs.12 Laacs over a period of 5 years				
10.	E.T.P	Waste water generation 13 KLD will be treated full fledged by effluent treatment plant having capacity 15 KLD.				
11.	Hazardous waste	Hazardous waste disposed at C.T.D.F of Udaipur.				

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:

PART A: SPECIFIC CONDITIONS

- i. The production capacity of the industry shall be limited to production of following:-

S. No	Item	Existing capacity (TPA)	Proposed Expansion (TPA)	Total (After Expansion) (TPA)
(A)	Product			
1	2 methyl 5 nitro imidazole	240	-	240
2	2 methyl imidazole	240	-	240
4	Glyoxal	1800	-	1,800

5	Glyoxal Acid-	1000	-	1,000
6	Imidazole-	120	-	120
7	Picoline Sulphate	-	14,400	14,400
(B)				
		By Product		
1	Acetic acid:	2400	-	2,400
2	Add. Acetic acid:	11	-	11
3	Ammonium Sulphate:	1000	-	1,000
4	Carbon Sludge	7.5	-	7.5
5	Oxalic acid-	100	-	100
6	Sodium Silico-	2.1	-	2.10
7.	Dilute Nitric Acid	900	45,000	45,000

- i. The PP shall ensure the implementation of the commitments in respect of addressing Environmental and Social issues.
1. The PP shall ensure providing 33% area of the total plant area under green cover.
- i. 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.
- i. As committed, the PP shall earmark and spend an amount of Rs. 57 lacs towards capital cost and 21.5 lac as annual recurring cost on various environmental protection measures and implementation of various activities under Environmental Management Plan.
- i. The PP shall earmark and spend an amount of Rs. 12 lacs for 5 year, as CSR as per the proposal submitted and the detailed action plan be submitted to RSPCB at the time seeking CTE.
- i. 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. 2 Lacs as capital cost and Rs. 50,000/- as annual recurring cost for labour welfare.
- i. Total water demand will be 68.5 KLD which will be met through RIICO, as proposed.
- i. For withdrawing ground water from bore wells, necessary permission from CGWA should be taken.
1. The PP shall achieve the stack emission standards and ambient air standards as notified under E. P. Rules 86 and its subsequent amendments.
- i. The height of the stack for disbursement of the process emissions shall not be less than 30.00 Mtrs. from ground level.
- i. 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.
- i. 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.
- i. 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.
- i. 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.
- i. 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.
- i. 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.

- xvii. The PP shall draw the Safety, Health & Environment (SHE) Plan and submit to RPCB.
- xviii. 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.
- xix. The PP shall provide separate drainage and outlets with the precaution that the storm water shall not come into contact with waste sludge.
- xx. 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.
- xxi. 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).
- xxii. 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.
- xxiii. Suitable alarm system and standard procedure for transmitting the information on the occurrence of an accident to the proper focal point shall be established.
- xxiv. 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 35% area of the plot size.
- xxv. 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.
- xxvi. 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.
- xxvii. 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.
- xxviii. 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.
- xxix. The PP shall ensure taking necessary steps on urgent basis to improve the living conditions of the construction labour at site.
- xxx. 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.
- xxxi. 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 the revised 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,


(Sankatha Prasad)
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 State 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)