

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.b5(f),B2 (479) /13-14 Jaipur, Dated:

30 MAY 2014

To,
 M/s. Green field Industries
 Plot No. A-319 (A), Matasya Industrial Area,
 Alwar - 301030.

Sub: EC for expansion of "Green Field Industry" (A unit of M/s S.D. CHEM (P.)Ltd.)
 M/s. Green Field Industries Plot No. A -319A, Matasya Industrial Area, Village
 Desula Tehsil & District Alwar (Raj.)

Sir,

This has reference to your application dated 21.08.2012 seeking 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 26, 27.12.13, 20.02.14 and 11.04.2014

2. Brief details of the Project:

1.	Category / Item no.(in Schedule):	B 5(f)				
2.	Location of Project	Plot No. A- 319 A M.I.A. Alwar				
3.	Plot Area etc.	8,775 sq. m.				
4.	Product & Capacity	S.No.	Product	Capacity MTA		
				Existing	Proposed	Total
		1.	Chlorinated Paraffin Wax and Hydrochloric Acid	1500	--	1500
		2.	Azo -Di- Carbonamide (ADC)	--	2400	2400
3.	Di-Nitrosopente Methylene Teramine (DNPT)	--	500	500		
5.	Water Requirement & Source	Particulars	Existing KLD	Proposed KLD	Total KLD	
		Industrial	4.5	35.5	40	
		Domestic	0.5	1	1.5	
		+Green belt / green cover	2.4 KLD (Treated)	3.6	6 KLD	
+ This row has been deleted in the submitted documents for EC -for increased water consumption application said to be submitted to CGWA vide application dtd 3.4.12.						

6.	Fuel & Energy:-	<p>Existing contract demand is 75 kVA. Due to installation of machineries / equipments after expansion, additional contract demand required will be 525 kVA. Thus, after expansion the contract demand will 600 kVA and will be sourced by existing JVVN, Jaipur.</p> <p>The unit has one existing D.G. Set of capacity 160 kVA and for expansion addition D.G. set of capacity 450 kVA will be install.</p>			
		Particulars	Existing (kVA)	Proposed (kVA)	Total (kVA)
		Power Demand	75	525	600
		D.G Sets	160	450	610
7.	Environment Management Plan :-	S. No.	Particulars	Capital cost	Recurring cost in RS per annum
		1	Air Pollution Control	10,00,000	1,00,000
		2	Water Pollution Control	10,00,000	1,00,000
		3	Noise Pollution Control	80,000	8,000
		4	Environment Monitoring and Management	1,00,000	10,000
		5	Occupational Health	80,000	8,000
		6	Green Belt	80,000	8,000
		Total		23,40,000	2,34,000
8.	CSR	The Proposed project is committed towards CSR			
		S No	Activities	Capital cost (1 st Year)	Capital cost (2 nd Year)
		1	<ul style="list-style-type: none"> Health camps will be organized for children. These children will be examined for the water borne diseases and prescribed medicines. Medical Mobile Van and Ambulance accompanied with qualified Doctor for effective diagnosis of villagers in the study area. 	8.0	0.50
		2.	<ul style="list-style-type: none"> Industrial Training camps of local workers to upgrade skills of working in a chemical factory. Training on precautions and safety (from industrial activities) in village Desula & Kamalpur. Awareness on Labour rights will be given to the villagers in Desula and MIA every year. 	0.50	0.50
		3.	<ul style="list-style-type: none"> Rainwater Storage facility for potable drinking water. Installation of community level deflouridization plant (Nalgonda Technology*) at village Desula & Bilaka at 	4.0	1.50

		public facilities in two locations of each village.		
		Total	12.50	2.50
		Capital Cost = 15.0Lacs Recurring Cost = As per Companies Act 2013		
9.	ETP	ETP comprising equalization tank, chemical tank, primary settling tank, extension aeration tank, secondary settling tank, sludge drying bed with average expected waste water flow of 30 m ³ /day has been proposed. The input and output characteristics of waste water has been mentioned as follows:-		
		Particulars	Effluent characteristics	Treated Water Characteristics
		ph	2.0	7.5 to 8.5
		TSS	1100mg/l	Less than 30 mg/l
		TDS	3400mg/l	Less than 150mg/l
		BOD	110mg/l	Less than 250 mg/l
		COD	6000 mg/l	Less than 10 mg/l
10	Hazardous Waste	Chemical Sludge from ETP @ 2.5 kg/day		
11	Expenditure on facility for labour	Rs 80,000/-		

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. CONSTRUCTION PHASE

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

S.No.	Product	Capacity MTA		
		Existing	Proposed	Total
1.	Chlorinated Paraffin Wax and Hydrochloric Acid	1500	--	1500
2.	Azo -Di- Carbonamide (ADC)	--	2400	2400
3.	Di-Nitrosopente Methylene Teramine (DNPT)	--	500	500

- ii The PP shall ensure the implementation of the commitments in respect of addressing Environmental and Social issues.
- iii The PP shall ensure providing 33% area of the total plant area under green cover.
- iv 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.
- v As committed, the PP shall earmark and spend an amount of Rs. 23, 40,000 towards capital cost and Rs 2,34,000 as annual recurring cost on various environmental protection measures and implementation of various activities under Environmental Management Plan.
 - vi The PP shall earmark and spend an amount of Rs. 15 lacs for 2 year, as CSR as per the proposal submitted and the detailed action plan be submitted to RSPCB at the time seeking CTE.
 - vii 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. 80000 as capital cost for labour welfare.
 - viii Total water demand will be 41.5 KLD which will be met through ground water only after obtaining Permission from CGWA as proposed.
 - ix For withdrawing ground water from bore wells, necessary permission from CGWA should be taken and submitted to RSPCB at the time of submission of application for CTE.the RSPCB should ensure at the time of considering the CTE/CTO application that no illegal bore exists in the premises of the industry.
 - x The PP shall achieve the stack emission standards and ambient air standards as notified under E. P. Rules 86 and its subsequent amendments.
 - xi The height of the stack for disbursement of the process emissions shall not be less than 30.00 Mtrs. from ground level.
 - xii 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.
 - xiii The particulate matter and gaseous emissions (SO_x , NO_x , CO, CO_2 , 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 PM_{10} & $PM_{2.5}$, SO_x , NO_x , CO, CO_2 , 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 35% area of the plot size.
- xxvi As the entire domestic waste water should be discharged through the Septic tank followed by soak pit .
- xxvii As proposed, ETP comprising equalization tank, chemical tank, primary settling tank, extension aeration tank, secondary settling tank, and sludge drying bed with average expected waste water flow of 30 m³ /day would be used for treatment of water. The construction of the ETP should be carried out simultaneously with that of the project.
- xxviii 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.
- xxix 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.
- xxx 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.
- xxxi 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.
- xxxii The PP shall ensure taking necessary steps on urgent basis to improve the living conditions of the construction labour at site.
- xxxiii The PP shall take fresh EC for any expansion and modernization of existing project or any change in product – mix.
- xxxiv 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.
- xxxv 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

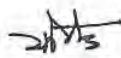
- i. The environmental safeguards contained in Form 1-A shall be implemented in letter and spirit.
- ii. Six monthly monitoring reports shall be submitted to Rajasthan and Rajasthan State Pollution Control Board.
- iii. Officials of the RPCB, who would be monitoring the implementation of environmental 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.

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(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)