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State Level Environment Impact Assessment Authority, Rajasthan

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No. F.1 (4)/SEIAA/SEAC-Raj/Seett/Project /Cat. 5(f)B2 (18047)/2019-20

Dated: 17 MAR 2021

M/s Kanchan Industries
Plot No. F- 411, RIICO Industrial Area,
Chopanki- Bhiwadi, Tehsil- Tijara,
District - Alwar (Rajasthan).

Sub:-E.C for Proposed Unit of organic Chemical Manufacturing Unit of active Pharmaceutical ingredients (API)- Ethyl Thiouride Crude (150 TPA), Disulfiram (100 TPA) & Cloxacillin sodium (150 TPA) in existing unit of Inorganic products at plot No. F-411, RIICO Industrial Area, Chopanki- Bhiwadi, Tehsil-Tijara, District-Alwar (Rajasthan) Plot Area: 1963.0 SQ.M (0.1963 hect.) (Proposal No-151628).

This has reference to your application dated 20.04.2020 seeking environmental clearances for the above project under EIA Notification 2006. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification 2006 on the basis of the mandatory documents enclosed with the application viz. the questionnaire, EIA, EMP and additional clarifications furnished in response to the observation of the State Level Expert Appraisal Committee Rajasthan, in its meeting held on 12th to 13th January, 2021.

2 Brief details of the Project:

1.	Category / Item no.(in Schedule):	5(f)/B2
2.	Location of Project	Plot No. F-411, RIICO Industrial Area, Chopanki-Bhiwadi, Tehsil Tijara, District Alwar (Rajasthan)
3.	Project Details M.L. No. /Production capacity	Plot No. F-411, RIICO Industrial Area PLOT AREA: 1963.0 SQ.M. (0.1963 HECTARE) PROPOSED CAPACITY OF API PRODUCTS: 400 TPA - {Ethyl Thiouride Crude (150 Ton/annum), Disulfiram (100 Ton/annum) and Cloxacillin Sodium (150 Ton/annum)}
4.	Project Cost	Rs. 1.80 CRORES
5.	Water Requirement & Source	Total Water Required- 8 KLD Existing - 4 KLD Proposed - 4 KLD Source:- RIICO Water supply scheme & Bore Well (NOC from CGWA is under process)
6.	Fuel & Energy	Power Requirement & Source 0.25 MW (360 KVA approx.)



		Source:- JVVNL & DG Set (1 x 360 KVA) as power back-up Steam requirement & Source 0.8 Tons/hour Source:- Boiler of 2 TPH capacity (Fuel- Natural Gas)			
7.	Environment Management Plan	Capital Cost: Rs. 11,42,500/- Annual expenditure: Rs. 3,70,000 /Year			
		Sr. No.	Particular	Capital Cost (in Rs.)	Recurring Cost (in Rs./Year)
		1	Pollution Monitoring of Ambient Air, Noise, Water, Stack & Soil Quality (twice a year)	1,00,000/-	50,000/-
		2	Plantation 80 Nos.	1,00,000/-	50,000/-
		3	Occupational health check-up in a year for 15 workers twice/year @1000x2x15	NIL	30,000/-
		4	Provision of PPES due to Covid-19 pandemic disease (helmet, shoes, Face protecting shield, mask, gloves goggles & sanitizer etc 15x3000)	Nil	35,000/-
		5	Emergency rescue fire fighting equipments (5 nos) and first aid 2000/fire fighting	Nil	10,000/-
		6	Bins 10 nos. Rs. 750 each	7500/-	2,000/-
		7	PUC of vehicles	10,000/-	3,000/-
		8	ETP (10 KLD) &its O&M	5,00,000/-	25,000/-
		9	Solar pole with LED light (8000X10)	Nil	80,000/-
		10	RWH structure with closed drains (2 Nos.)	2,00,000/-	50,000/-
		11	TSDF membership for Hazardous Waste Management	25,000/-	10,000/-
		12	Modular STP (2 KLD) &its O&M	2,00,000/-	25,000/-
			TOTAL	11,42,500/-	3,70,000/-
8.	CSR /ESR Activities	Annual expenditure Rs 3.60 Lakhs/year			

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S. No.	Activity	Amount (Rs./yr.)	Year	Total
1.	Provisions for Amenities like coolers, fans, mats, Stools & Benches at Govt. Higher Senior Secondary School of village Jhiwana & Govt. Primary School of Village Phalsa	0.50 Lakhs	Ist	3.6 Lakhs
	Provisions for Water purifier & its maintenance (1 Nos) at PHC center of village Chopanki & public bus stop of village Phalsa & Gadpur	0.50 Lakhs		
	Provisions for Construction and maintenance of village roads adjacent to project site	1.5 Lakhs		
	Provision of 0.5 KW Solar Panels with other accessories & its maintenance in Gram Panchayat of village Phalsa	0.60 Lakhs		
	Provision of Rain Water Harvesting Structure with closed drains & maintenance at Gram Panchayat of Village Phalsa	0.50 Lakhs		
2.	Provisions for Repairing & Maintenance of boundary wall & colouring of school building at Govt. Higher Senior Secondary School of village Jhiwana & Govt. Primary School of Village Phalsa	1.85 Lakhs	IInd	3.6 Lakhs
	Provisions for Health Check-up camps (Eye & General Health Check-up) at Gram panchayat of village Phalsa & Jhiwana	1.0 Lakhs		
	Provision of Rain Water Harvesting Structure with closed drains & maintenance at Gram Panchayat of Village Jhiwana	0.75 Lakhs		
3.	Provisions for prize distribution & distribution of laptop, educational books, stationary, uniforms to meritorious students of class 8 th , 10 th & 12 th at Govt. Higher Senior Secondary School of village Jhiwana & students of class 5 th & 8 th at Govt. Primary School of Village Phalsa (3 students/each class)	1.25 Lakhs	IIIrd	3.6 Lakhs
	Provisions for Repairing & Maintenance of boundary wall & colouring of PHC center building of village Chopanki	0.95 Lakhs		
	Provisions for Imparting vocational training at gram panchayat, Phalsa for technical skills, self employment training for women and youngsters of near villagers	0.40 Lakhs		

		Provisions for skill upliftment of women skills of nearby villages by distributing Sewing Machines and contribution of indoor game facilities at anganwarikendra of nearby villages i.e. Charoda&Phalsa.	1.0 Lakhs																							
		The PP Shall spend Rs. 3,60,000/-year for CER. The above expenditure is for 3 years. Then onwards the PP shall spend the amount of CER as per the need of local stake holders/Govt. School/Hospitals & Gram Panchayat etc.																								
9.	Green Belt/ Plantation	Annual expenditure: Rs 50,000 Total land area of the proposed project is 1963.0 sq. meter. The greenbelt will be developed at the site whose area is estimated as 693 sq. meter (i.e. 35%). 80 nos. of trees of Native species i.e. Neem, Jamun, Aam, Gulmohar will be planted.																								
10.	Budgetary Breakup for Labour	Annual expenditure: Rs. 70,000 <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Description</th> <th>Amount (in Rs./yr.)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Rest Shelter</td> <td>20,000</td> </tr> <tr> <td>2</td> <td>Drinking water facility</td> <td>20,000</td> </tr> <tr> <td>3</td> <td>Toilet Facility (2 units for Male & Female)</td> <td>10,000</td> </tr> <tr> <td>4</td> <td>Fuel for cooking</td> <td>10,000</td> </tr> <tr> <td>5</td> <td>Medical facility for labors</td> <td>10,000</td> </tr> <tr> <td colspan="2">Total</td> <td>70,000</td> </tr> </tbody> </table>				Sr. No.	Description	Amount (in Rs./yr.)	1	Rest Shelter	20,000	2	Drinking water facility	20,000	3	Toilet Facility (2 units for Male & Female)	10,000	4	Fuel for cooking	10,000	5	Medical facility for labors	10,000	Total		70,000
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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 in its 4.53rd Meeting held on 19.02.2021 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:

I. Statutory compliance:

- The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area)
- The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/Committee.
- The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.



vi. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.

II. Air quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognised under Environment (Protection) Act, 1986.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM25 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120 each), covering upwind and downwind directions.
- iv. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
- v. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
- vi. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.
- vii. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with

III. Water quality monitoring and preservation

- i. The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD)
- ii. As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD).
- iii. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
- iv. Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.
- v. Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
- vi. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.
- vii. The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.

IV. Noise monitoring and prevention

- i. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.



ii. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.

iii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

V. Energy Conservation measures

i. The energy sources for lighting purposes shall preferably be LED based.

VI. Waste management

i. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.

ii. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.

iii. The company shall undertake waste minimization measures as below:-

a. Metering and control of quantities of active ingredients to minimize waste.

b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.

c. Use of automated filling to minimize spillage.

d. Use of Close Feed system into batch reactors.

e. Venting equipment through vapour recovery system.

f. Use of high pressure hoses for equipment clearing to reduce wastewater generation

VII. Green Belt

The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.

VIII. Safety, Public hearing and Human health issues

i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.

ii. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.

iii. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.

iv. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.

v. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

vi. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

vii. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.

IX. Corporate Environment Responsibility

i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.

ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms /



conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the SEIAA / MoEF & CC as a part of six-monthly report.

iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.

iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the SEIAA / Ministry/Regional Office along with the Six Monthly Compliance Report.

v. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

X. Miscellaneous

i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.

ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.

iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.

iv. The project proponent shall monitor the criteria pollutants level namely; PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.

v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.

vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.

vii. The project proponent shall inform the RSPCB / Regional Office of the MoEF & CC, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.

viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.

ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.


x. No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA / Ministry of Environment, Forests and Climate Change (MoEF&CC).

xi. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.

xii. The SEIAA / MoEF & CC may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.



- xiii. The SEIAA / Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xiv. The Regional Office of the Ministry/ RSPCB/ SEIAA shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xv. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xvi. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.


(P.K. Upadhyay)
Member Secretary,
SEIAA, Rajasthan.

No. F1 (4)/SEIAA/SEAC-Raj/Sectt/Project /Cat. 5(f)B2 (18047)/ 2019-20 Dated:
Copy to following for information and necessary action:

1. Secretary, Ministry of Environment, Forest & Climate Change, Govt. of India, Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi-110003.
2. Principal Secretary, Environment Department, Rajasthan, Jaipur.
3. Sh. R.K. Meena, IAS (Retd.), B-75, Shankar Vihar, 50 Feet Gaitore Road, Sawai Gaitore, Jaipur
4. Dr. Anil Kumar Goel IFS (Retd.), Forest Colony, Sector 4, Jawahar Nagar, 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. Member 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, Environment, Forest & Climate Change, Govt. of India, Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi-110003.
- ✓ 9. Sh. Jagbir Singh Manral, ACP, Department of Environment, Government of Rajasthan, Jaipur with the direction to upload the copy of this Environment Clearance on the website.


M.S. SEIAA, (Rajasthan)