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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 (17825)/2019-20

Dated: 26 FEB 2021

M/s Om Surfactants Pvt. Ltd.,

Authorized Signatory - Kailash Chandra Choudhary (Director),

Add.- F-14B, RIICO Industrial Area, Gudli,

District - Udaipur (Raj.)

Sub:-E.C for proposed Acid Slurry (LABSA) 14,400 TPA and Spent acid 12000 TPA at
Situating at F-14B, RIICO Industrial Area, Gudli, Udaipur, Rajasthan (Proposal
No.- 135995)

This has reference to your application dated 31.01.2020 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 22nd to 24th December, 2020.

2 Brief details of the Project:

1.	Category/Item No. (in Schedule):	5 (f)				
2.	Location of Project	At # F-14B, RIICO Industrial Area, Gudli, Udaipur, Rajasthan - 313024				
3.	Project Details Land use Break up	S. No.	Land Use	Proposed Area (Sq M)	Percentage (%)	
		1.	Plant Area, Office Area (Ground coverage)	510	44.7	
		2.	Paved Area (Road, Corridor, Parking and Drainage)	254	22.3	
		3.	Green Belt Area	376	33.00	
		4.	Open Area	0	0	
			Total	1140	100	
4.	Salient features regarding products and process in brief	Proposed production of Acid Slurry (LABSA 90%) Manufacturing Plant of Om Surfactants Pvt Ltd. is situated at Plot No. F-14B, RIICO Industrial Area, Gudli, Udaipur, Rajasthan - 313024.				

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	including Plant Capacity.	Area -1140 Sq.m						
		Sr. No.	Product				Quantity (TPA)	
		1	Linear Alkyl Benzene Sulphonic Acid (LABSA)				14,400	
		2	Diluted Sulphuric Acid 75-80%				12,000	
5.	Raw Materials requirement (In case of more than one product Raw material for each product should be specified)	Raw material consumption is given below:						
		S.No.	Material				TPA	
		1	Linear alkaline benzene				14,400	
		2	Sulphuric Acid (H ₂ SO ₄)				10,000	
6.	Solid waste /haz. waste quantities and management	S. No	Solid Waste/ Liquid Effluents	Quantity/ Annum	Unit	Mode of Treatment/ Disposal		
		1.	ETP Sludge	182.5	Kg	Sent to TSDF Udaipur		
		2.	Used Oil	0.020	MT	Sent to RSPCB authorized recyclers		
		3.	Scrubber Residue	30	MT	Sent to TSDF Udaipur		
		4.	Municipal Solid Waste	370	Kg	Sent to UMC site		
		Liquid Effluents						
		S. No	Solid Waste/ Liquid Effluents	Quantity	Unit	Mode of Treatment/ Disposal		
		1.	Industrial waste water	3.5	KLD	ETP followed by RO (capacity- 5 KLD)		
		2.	Domestic waste water	0.8	KLD	STP (capacity- 1 KLD)		
7.	Use of substances or materials which are hazardous	S. No.	Name of the Hazardous Substance	No. of tank/ vessel / bullet	Qty. max. that can be stored	State & Operating pressure & temperature	Possible type of Hazards	Precautionary measures proposed
		1	98% Sulphuric Acid	1	140 MT	Ambient Temperature & Pressure	Corrosive	Safety showers & Eye wash station First aid kits PPE

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		2	Linear Alkyl Benzene	1	70 MT	Ambient Temperature & Pressure	Flammable	Fire hydrant & Foam Extinguishers
		3	HSD	1	10 KL	Ambient Temperature & Pressure	Flammable	Fire hydrant & Foam Extinguishers
8.	Project Cost	Rs. 2.0 Crore						
9.	Water Requirement & Source	The water demand will be 13.3 KLD. The daily fresh water demand will be 11 KLD and the recycled water is 2.3 KLD.						
		Sr. No	Purposes				KLD	
		1	Softener/Demineralization plant				8	
		2	Cooling Tower make up				2	
		3	Domestic requirement				1	
		4	Scrubber				1	
		5	Greenbelt and dust suppression				1.3	
			One-time water requirement (A)				13.3	
		1	Greenbelt				1.3	
		2	Cooling tower reuse				0.8	
		3	Scrubber				0.2	
			Total water recycle/reused (B)				2.3	
			Daily fresh water requirement (A-B)				11	
		Source: - Water will be met from RIICO supply						
10.	Fuel & Energy	S. No.	Raw Material			Proposed Consumption		
		1.	Fuel (HSD – For DG Set)			12 ltr/hr		
		Energy :						
		Phase		Demand		Expected Source		
		Operational		100 HP		AVVNL		
		DG set- 82 kVA						
11.	Environment Management Plan along with Budgetary breakup	Capital Cost:	Rs. 4.0 Lacs					
		Recurring Cost:	Rs. 2.0 Lacs					
12.	CER Activates along with budgetary breakup	Not applicable As per MoEF&CC OM dated 30.09.2020.						
13.	ETP	Capacity of 5.0 KL Waste Water per day						
14.	Green Belt/Plantation	Capital Cost:	Rs. 0.50 Lacs					
		Recurring Cost:	Rs. 0.25 Lacs					
		Area:	376 Sq. m. (33%)					
15.	Budgetary Breakup for Labour	Capital Cost:	Rs. 4.0 Lacs					
		Recurring Cost:	Rs. 1.0 Lacs					

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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 4.51st Meeting held on 5.02.2021 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:

- i. 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.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. 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. (incase of the presence of schedule-I species in the study area)
- iv. 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.
- v. 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. 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 Regional Office as well as the Ministry, 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 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 Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiii. The 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 this Ministry 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/Seett/Project /Cat. 5(f)B2 (17825)/ 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 Gaitor, 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)