सत्यमेव जयते

File No: SIA/MH/IND3/490524/2024

Government of India

Ministry of Environment, Forest and Climate Change

(Issued by the State Environment Impact Assessment Authority(SEIAA), MAHARASHTRA)

***

Date **14/11/2025**

To,

Peasanna Kulkarni
YST LIFE SCIENCES PRIVATE LIMITED
206, Sumer Kendra, Behind Mahindra Tower, Pandurang Budhkar Marg, Worli, Mumbai, MUMBAI, MAHARASHTRA, 400018
prasanna.kulkarni@indianemulsifiers.com

Subject: Grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 -regarding.

Sir/Madam,

This is in reference to your application submitted to SEIAA vide proposal number SIA/MH/IND3/490524/2024 dated 24/09/2024 for grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC24B2412MH5615499N
(ii) File No.	SIA/MH/IND3/490524/2024
(iii) Clearance Type	Fresh EC
(iv) Category	B1
(v) Project/Activity Included Schedule No.	5(f) Synthetic organic chemicals industry
(vii) Name of Project	Proposed Synthetic Organic Chemical Manufacturing unit (Specialty Surfactant chemicals) at Plot No. B-85, Lote Parshuram Industrial Area, Tal: - Khed, Dist.: - Ratnagiri, Maharashtra by M/s. YST Life Sciences Private Limited
(viii) Name of Company/Organization	YST LIFE SCIENCES PRIVATE LIMITED
(ix) Location of Project (District, State)	RATNAGIRI, MAHARASHTRA
(x) Issuing Authority	SEIAA
(xi) Applicability of General Conditions as per EIA Notification, 2006	No

Plot/Survey Khasra Nos.: B-85

3. In view of the particulars given in the Para 1 above, the project proposal interalia including Form-1(Part A, B and C)/ EIA & EMP Reports were submitted to the SEIAA for an appraisal by the SEIAA under the provision of EIA notification 2006 and its subsequent amendments.
4. The above-mentioned proposal has been considered by SEIAA in the meeting held on . The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed from the PARIVESH portal by scanning the QR Code above or through the following web link click here.
5. The brief about configuration of products and byproducts as submitted by the Project Proponent in orm-1 (Part A, B and C)/ EIA & EMP Reports / presented during SEIAA are annexed to this EC as Annexure (1).
6. The SEIAA, in its meeting held on , based on information submitted viz: Form 1 (Part A, B and C), EIA/EMP report etc & clarifications provided by the project proponent and after detailed deliberations on all technical aspects and public hearing issues and compliance thereto furnished by the Project Proponent, recommended the proposal for grant of Environment Clearance under the provision of EIA Notification, 2006 and as amended thereof subject to compliance of Specific and Standard EC conditions as given in this letter.
7. The SEIAA has examined the proposal in accordance with the provisions contained in the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and based on the recommendations of the State Environment Impact AssessmentAuthority(SEIAA) Appraisal Committee hereby accords Environment Clearance to the instant proposal of M/s. Peasanna Kulkarni under the provisions of EIA Notification, 2006 and as amended thereof subject to compliance of the Specific and Standard EC conditions as given in Annexure (1)
8. The Ministry reserves the right to stipulate additional conditions, if found necessary.
9. The Environmental Clearance to the aforementioned project is under provisions of EIA Notification, 2006. It does not tantamount to approvals/consent/permissions etc. required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes, as applicable, to the project.
10. The Project Proponent is under obligation to implement commitments made in the Environment Management Plan, which forms part of this EC.
11. General Instructions:

    (a) The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/SEIAA website where it is displayed.
    (b) 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.
    (c) The project proponent shall have a well laid down environmental policy duly approved by the Board of Directors (in case of Company) or competent authority, duly prescribing 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.
    (d) Action plan for implementing EMP and environmental conditions along with responsibility matrix of the project proponent (during construction phase) and authorized entity mandated with compliance of conditions (during perational phase) shall be prepared. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Six monthly progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.
    (e) 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.
    (f) 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.
    (g) 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.
12. This issues with the approval of the Competent Authority

Annexure 1

Specific EC Conditions for (Synthetic Organic Chemicals Industry)

1. Specific & General Environmental Conditions

S. No	EC Conditions
1.1	**Recommendation of SEAC:** After detailed deliberations with the PP & their accredited consultant, SEAC-1 decided to recommend the proposal to the SEIAA for the grant of prior Environmental Clearance subject to following: **Specific conditions:** 1.PP to submit approved layout from competent authority. 2.PP and their accredited consultant to submit an undertaking mentioning that they have not violated any requirement of EIA Notification,2006 as amended from time to time 3.PP to submit pointwise compliance of Consent to Operate (CTO) received from MPCB to the project. 4.PP to submit revise structural stability certificate indicating the existing structure is adequately stable to accommodate the product activities including additional equipment's & manpower. 5.PP to obtain license/approval for the storage of flammable chemicals from the competent authority. 6.PP to carry out chemical compatibility chart analysis of chemicals utilized/produced in the industry & ensure that onsite storage of chemicals area as per material safety data sheet; PP to obtain permission from competent authority for storage of hazardous chemical, if required. 7.PP to revise CER plan as per observations of Socio-economic survey & implement the same in consultation with the District Authority as per OM dated:01/05/2018 issued by MoEF & CC. 8. PP to obtain Consent to Establish & Operate under the provisions of prevailing acts from the State pollution Control Board for proposed expansion. **General Conditions:** 1.PP to ensure that no banned chemicals shall be manufactured by the PP. PP to ensure that no banned raw material shall be used in the proposed project. PP to adhere all the notifications/guidelines of the Government in this regard. 2.PP to provide Online Continuous Monitoring System connected to the servers of CPCB and MPCB. 3.PP to provide separate energy meter to the pollution control equipment's. 4.PP shall comply with the environment norms for 'synthetic organic chemicals' as notified by the MoEF& CC vide GSR 608 (E), dated 21' July, 2010 under the provisions of the Environment (Protection) Rules, 1986. 5.PP shall implement on site/Offsite emergency plan/mock drill etc. and mitigation measures as prescribed under the rules and guidelines issued in the Manufacture, Storage and Import of the Hazardous Chemicals (MSIHC) Rules,1989 as amended time to time and the Chemical Accidents & Emergency Planning, Preparedness and Response) Rules, 1996 as amended time to time. 6.PP to ensure that the Volatile Organic Compounds (VOCs)/Fugitive Emissions shall be controlled with effective chillers /modern technology, scrubbing etc. PP to include VOCs as monitoring parameter in regular monitoring plan to ascertain no VOCs are escaping in the environment. 7.PP to submit undertaking that they will comply/implement all recommendations made in Hazop, Risk Assessment studies & Life Cycle Analysis (LCA) in the project. 8.PP to provide the occupational health center for surveillance of the workers' health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & Employees shall be provided with the required safety kits/ PPEs for personal protection. 9.PP to impart the training to all employees on safety and health aspects for handling chemicals. Only trained employees be deployed on the hazardous operations /handlings etc. Action plan for mitigation measures shall be properly implemented based on safety and risk assessment studies. 10.PP to carry out the solvent management as follows:

S. No	EC Conditions
	(i) Reactors shall be connected to chilled brine condenser system. (ii) Reactor and Solvent handling pump shall have mechanical seals to prevent leakages. (iii) Solvents shall be stored in a separate place specified with all safety measures. (iv) Proper earthing shall be provided in all electrical and operation equipment's wherever flammable chemicals are handled. (v) The solvent storage tanks shall be provided with the breather valve to prevent losses. (vi) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation. 11.PP to undertake waste minimization measures as below: (i) Metering and Control of quantities of active ingredients to minimize waste. (ii) Reuse of by-products from the process as raw material or as raw material substitute in their processes. (iii) Use of automated filling to minimize spillages. (iv) Use of close feed system into batch reactors. (v) Venting equipment through vapour recovery system. (vi) Use of high pressure-hoses for equipment cleaning to reduce wastewater generation.

Annexure 2

Details of the Project

<table>
<tr><th>S. No.</th><th>Particulars</th><th>Details</th></tr>
<tr><td>a.</td><td>Details of the Project</td><td>Proposed Synthetic Organic Chemical Manufacturing unit (Specialty Surfactant chemicals) at Plot No. B-85, Lote Parshuram Industrial Area, Tal: - Khed, Dist.: - Ratnagiri, Maharashtra by M/s. YST Life Sciences Private Limited</td></tr>
<tr><td>b.</td><td>Latitude and Longitude of the project site</td><td>17.61054217224959,73.48662639865795 17.61132967678363,73.48753679237868</td></tr>
<tr><td>c.</td><td>Land Requirement (in Ha) of the project or activity</td><td><table><tr><th>Nature of Land involved</th><th>Area in Ha</th></tr><tr><td>Non-Forest Land (A)</td><td>0.3825</td></tr><tr><td>Forest Land (B)</td><td>0</td></tr><tr><td>Total Land (A+B)</td><td>0.3825</td></tr></table></td></tr>
<tr><td>d.</td><td>Date of Public Consultation</td><td>Public consultation for the project was held on</td></tr>
<tr><td>e.</td><td>Rehabilitation and Resettlement (R&R) involvement</td><td>NO</td></tr>
<tr><td>f.</td><td>Project Cost (in lacs)</td><td>2213</td></tr>
<tr><td>g.</td><td>EMP Cost (in lacs)</td><td>272</td></tr>
</table>

S. No.	Particulars	Details
h.	Employment Details	

Details of Products & By-products

Name of the product /By-product	Product / By-product	Quantity	Unit	Mode of Transport / Transmission	Remarks (eg. CAS number)
Polysorbates (PS20/ PS40/PS60)	Product	300	Tons per Annum (TPA)	Road	
EO-PO Block Copolymer (L61/L62/L64)	Product	180	Tons per Annum (TPA)	Road	
Poly Ethylene Glycols (PEG200/PEG400/PEG600/PEG4000)	Product	240	Tons per Annum (TPA)	Road	
Synthetic Oxo Alcohol Ethoxylates (L61/L62/L64)	Product	180	Tons per Annum (TPA)	Road	
Alkyl Phenol Ethoxylate-NP Based (NP 4 Mole/NP 6 Mole/NP 9.5 Mole/OCTYL PHENOL 10 MOLE)	Product	240	Tons per Annum (TPA)	Road	
Esters (SML/SMP/SMS/SMO)	Product	720	Tons per Annum (TPA)	Road	
Amphoteric (AMA)	Product	120	Tons per Annum (TPA)	Road	
Phosphate Esters (PNP)	Product	120	Tons per Annum (TPA)	Road	
Sulphonation (IDDS)	Product	180	Tons per Annum (TPA)	Road	
Fatty alcohol ethoxylate (LA-10 MOLE)	Product	240	Tons per Annum (TPA)	Road	
Imidazolines (IMIDAZOLINE 18 DA)	Product	240	Tons per Annum (TPA)	Road	
Fatty Amine Ethoxylates (OLYEL AMINE CONDENSATE)	Product	180	Tons per Annum (TPA)	Road	
Phenoxy Ethanol	Product	840	Tons per Annum (TPA)	Road	

Name of the product /By-product	Product / By-product	Quantity	Unit	Mode of Transport / Transmission	Remarks (eg. CAS number)
Fatty oil ethoxylate (CO 36 MOLE/CO 40 MOLE)	Product	180	Tons per Annum (TPA)	Road	
Fatty Acid Ethoxylate (OA 10 MOLE)	Product	180	Tons per Annum (TPA)	Road	
Ester Quat	Product	840	Tons per Annum (TPA)	Road	
Wax Emulsion	Product	120	Tons per Annum (TPA)	Road	
Addition Reaction (Styrenated Phenol/PIBSA/SN)	Product	720	Tons per Annum (TPA)	Road	
BLENDING OF FATTY ALCOHOL ETHOXYLATES AND ESTER PRODUCTS	Product	600	Tons per Annum (TPA)	Road	Formulation products-Existing
BLENDING OF SYNTHETIC ALCOHOL ETHOXYLATED AND ESTER PRODUCTS	Product	480	Tons per Annum (TPA)	Road	Formulation Product-Existing
BLENDING OF SYNTHETIC AND FATTY ALCOHOL ETHOXYLATE PRODUCTS	Product	660	Tons per Annum (TPA)	Road	Formulation Product-Existing
BLENDING OF ESTER BASED PRODUCTS	Product	960	Tons per Annum (TPA)	Road	Formulation Product-Existing
FORMULATION OF ETHOXYLATES / PROPOXYLATE AND ESTERS BASED PRODUCTS BLEND	Product	900	Tons per Annum (TPA)	Road	Formulation Product-Existing
FORMULATION OF ESTER AND ETHOXYLATED PRODUCTS BLEND	Product	1560	Tons per Annum (TPA)	Road	Formulation Product-Existing
FORMULATION OF AMPHOTERIC BASED PRODUCTS BLEND	Product	240	Tons per Annum (TPA)	Road	Formulation Product-Existing
FORMULATION OF PHOSPHATE ESTER AND ETHOXYLATE PRODUCTS BLEND	Product	240	Tons per Annum (TPA)	Road	Formulation Product-Existing
FORMULATION OF IMIDAZOLINE BASED PRODUCT BLEND	Product	240	Tons per Annum (TPA)	Road	Formulation Product-Existing
FORMULATION OF P E WAX EMULSION AND ETHOXYLATED FATTY ALCOHOL AMINE BLEND	Product	120	Tons per Annum (TPA)	Road	Formulation Product-Existing

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

No. SIA/MH/IND3/490524/2024
Environment & Climate Change Department
Room No. 217, 2nd Floor,
Mantralaya, Mumbai- 400032.

To
M/s. M/s. YST Life Sciences Private Limited.
Plot No. B-85, Lote Parshuram Industrial Area,
Tal: - Khed, Dist.: - Ratnagiri.

Subject : Environmental clearance for Proposed Synthetic Organic Chemical Manufacturing unit (Specialty Surfactant chemicals) at Plot No. B-85, Lote Parshuram Industrial Area, Tal: - Khed, Dist.: - Ratnagiri, Maharashtra by M/s. YST Life Sciences Private Limited.

Reference : Application no. SIA/MH/IND3/490524/2024

This has reference to your communication on the above-mentioned subject. The proposal was considered by the SEAC-1 in its 287th meeting under screening category 5(f) B1 as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 305th (Day-2) meeting of State Level Environment Impact Assessment Authority (SEIAA) held on 16th September,2025.

2. Brief Information of the project submitted by you is as below:

1	Location/ Town: at Plot No. B-85, Lote Parshuram Industrial Area, Tal: - Khed, Dist.: - Ratnagiri, Maharashtra	Taluka/ District: Tal: - Khed, Dist.: - Ratnagiri
2	Plot Area: 3825(sq. mts.)	Category:(A/B/B1/B2): B1
3	TOR Details: File No.: SIA/MH/IND3/481998/2024 dated 27.06.2024	Previous EC Details: NA
4	Violation case: No	CRZ NOC Requires: No
5	Layout plan approval authority: To be Approved from MIDC – Lote Parshuram	Approval plan details: NA (Date)
6	Approved Construction area: 1178.8 (Sq. Mtrs.)	No. of building: 06
7	Structural Stability Report: Yes	No. of floors: 03
8	Existing Green Belt area (Sq. Mtrs.) with % of total plot area: 1262.16	No. of existing trees: 00
9	Proposed Green belt area (Sq. Mtrs.) with % of total plot area: 33%	Nos. of proposed trees: 316
10	Previous EC compliance report details: NA	Certified compliance inspection date: NA
11	General/Specific conditions are applicable:	No
12	Facility area: 401.88 (Sq. Mtrs.)	Parking area: 227.33 (Sq. Mtrs.)
13	Storage area: 355.60 (Sq. Mtrs.)	

Raw material Details							
Sr. No.	Group & Product Name	Name of Raw Material	CAS No.	State	Quantity		
					Kg/Day	MT/M	MT/A
	Polysorbate - Group						
1	PS - 20	SML	1338-39-2	LIQUID	100.82	3.02	36.80
		Ethylene oxide	75-21-8	LIQUID	235.06	7.05	85.80
2	PS - 40	SMP	26266-57-9	SOLID	109.04	3.27	39.80
		Ethylene oxide	75-21-8	LIQUID	242.19	7.27	88.40
3	PS - 60	SMS	7681-57-4	SOLID	117.81	3.53	43.00
		Ethylene oxide	75-21-8	LIQUID	241.09	7.23	88.00
	Poly Ethylene Glycols - Group						
4	PEG - 200	DEG	111-46-6	LIQUID	17.43	0.52	6.36
		Ethylene oxide	75-21-8	LIQUID	15.45	0.46	5.64
5	PEG - 400	DEG	111-46-6	LIQUID	17.43	0.52	6.36
		Ethylene oxide	75-21-8	LIQUID	48.33	1.45	17.64
6	PEG - 600	DEG	111-46-6	LIQUID	17.43	0.52	6.36
		Ethylene oxide	75-21-8	LIQUID	81.20	2.44	29.64
7	PG-4000	DEG	111-46-6	LIQUID	17.75	0.53	6.48
		Ethylene oxide	75-21-8	LIQUID	639.75	19.19	233.51
	EO-PO Block Copolymer - Group						
8	L - 61	PPG - 1000	25322-69-4	LIQUID	78.42	2.35	28.62
		Ethylene oxide	75-21-8	LIQUID	22.85	0.69	8.34
		Propylene oxide	75-56-9	LIQUID	62.14	1.86	22.68
9	L - 62	PPG - 1000	25322-69-4	LIQUID	64.94	1.95	23.70
		Ethylene oxide	75-21-8	LIQUID	45.21	1.36	16.50
		Propylene oxide	75-56-9	LIQUID	53.43	1.60	19.50
10	L - 64	PPG - 1000	25322-69-4	LIQUID	164.56	4.94	60.07
		Ethylene oxide	75-21-8	LIQUID	186.76	5.60	68.17
		Propylene oxide	75-56-9	LIQUID	93.38	2.80	34.08
	Synthetic Oxo Alcohol Ethoxylates Group						
11	C 13 4 MOLE	C 13 ALCOHOL	85566-16-1	LIQUID	24.66	0.74	9.00
		Ethylene oxide	75-21-8	LIQUID	21.70	0.65	7.92
12	C 13 7 MOLE	C 13 ALCOHOL	85566-16-1	LIQUID	24.66	0.74	9.00
		Ethylene oxide	75-21-8	LIQUID	37.98	1.14	13.86
13	C 13 9 MOLE	C 13 ALCOHOL	85566-16-1	LIQUID	24.66	0.74	9.00
		Ethylene oxide	75-21-8	LIQUID	48.83	1.47	17.82
14	2 PHA 4 MOLE	2 PHA	10042-59-8	LIQUID	26.14	0.79	9.54

Raw material Details							
Sr. No.	Group & Product Name	Name of Raw Material	CAS No.	State	Quantity		
					Kg/Day	MT/M	MT/A
		Ethylene oxide	75-21-8	LIQUID	21.70	0.65	7.92
	Alkyl Phenol Ethoxylate-NP Based- Group						
15	NP 4 MOLE	Nonyl phenol	25154-52-3	LIQUID	36.16	1.09	13.20
		Ethylene oxide	75-21-8	LIQUID	28.93	0.87	10.56
16	NP 6 MOLE	Nonyl phenol	25154-52-3	LIQUID	35.84	1.08	13.08
		Ethylene oxide	75-21-8	LIQUID	43.73	1.31	15.96
17	NP 9.5 MOLE	Nonyl phenol	25154-52-3	LIQUID	36.16	1.09	13.20
		Ethylene oxide	75-21-8	LIQUID	68.71	2.06	25.08
18	OCTYL PHENOL 10 MOLE	Octyl Phenol	140-66-9	SOLID	33.86	1.02	12.36
		Ethylene oxide	75-21-8	LIQUID	72.33	2.17	26.40
	Esters -Group						
19	SML	Sorbitol	50-70-4	LIQUID	89.26	2.68	32.58
		Lauric Acid	143-07-7	SOLID	81.37	2.44	29.70
20	SMP	Sorbitol	50-70-4	LIQUID	89.75	2.69	32.76
		Palmitic acid	143-07-7	SOLID	126.25	3.79	46.08
21	SMS	Sorbitol	50-70-4	LIQUID	89.75	2.69	32.76
		Steric Acid	57-11-4	SOLID	140.06	4.20	51.12
22	SMO	Sorbitol	50-70-4	LIQUID	128.22	3.85	46.80
		Oleic acid	112-80-1	LIQUID	222.41	6.67	81.18
	Amphoterics - Group						
23	AMP	Acrylic acid	79-10-7	LIQUID	47.35	1.42	17.28
		Cocoamine	61788-46-3	LIQUID	216.35	6.49	78.97
	Phosphate Esters - Group						
24	PNP	NP 9.5 MOLE	25154-52-3	LIQUID	209.77	6.29	76.57
		P2O5 (Powder)	1314-56-3	SOLID	46.36	1.39	16.92
	Sulphonation - Group						
25	IDDS	Maleic anhydride ester	108-31-6	SOLID	186.43	5.59	68.05
		SMBS	7681-57-4	SOLID	187.42	5.62	68.41
	Fatty alcohol ethoxylate - Group						
26	LA 10 MOLE	Lauryl alcohol	11-2-538	LIQUID	131.50	3.95	48.00
		Ethylene oxide	75-21-8	LIQUID	289.30	8.68	105.59
	Imidazolines - Group						
27	IMIDAZOLINE 18 DA	Tall oil, Fatty acid	8002-26-4	LIQUID	187.39	5.62	68.40
		DETA	111-40-0	LIQUID	135.45	4.06	49.44

Raw material Details							
Sr. No.	Group & Product Name	Name of Raw Material	CAS No.	State	Quantity		
					Kg/Day	MT/M	MT/A
	Fatty Amine Ethoxylates - Group						
28	OLYEL AMINE CONDENSATE	Oleyl Amine	112-90-3	LIQUID	132.67	3.98	48.42
		Ethylene oxide	75-21-8	LIQUID	324.53	9.74	118.45
	Phenoxy Ethanol - Group						
29	Phenoxy Ethanol	Phenol	108-95-2	SOLID	3459.10	103.77	1262.57
		Ethylene oxide	75-21-8	LIQUID	1774.38	53.23	647.65
	Fatty oil Ethoxylate - Group						
30	CO 36 MOLE	Castor oil	8001-79-4	LIQUID	230.08	6.90	83.98
		Ethylene oxide	75-21-8	LIQUID	393.08	11.79	143.48
31	CO 40 MOLE	Castor oil	8001-79-4	LIQUID	230.08	6.90	83.98
		Ethylene oxide	75-21-8	LIQUID	434.02	13.02	158.42
	Fatty Acid Ethoxylate - Group						
32	OA 10 MOLE	Oleic Acid	112-80-1	LIQUID	0.20	0.01	0.07
		Ethylene oxide	75-21-8	LIQUID	0.30	0.01	0.11
		Ester Quat - Group					
33	Ester Quat	Fatty Acid	57-11-4	SOLID	653.60	19.61	238.56
		DMS	75-18-3	LIQUID	142.69	4.28	52.08
		TEA	102-71-6	LIQUID	464.88	13.95	169.68
		ETHANOL (Solvent)	64-17-5	LIQUID	184.11	5.52	67.20
	Wax Emulsion						
34	Wax Emulsion	WAX AC 92			8.22	0.25	3.00
		NP 9.5 MOLE	25154-52-3	LIQUID	3.29	0.10	1.20
		NAOH	1310-73-2	SOLID	0.66	0.02	0.24
		WATER	7732-18-5	LIQUID	20.71	0.62	7.56
	Addition Reaction - Group						
35	Styrenated Phenol	Styrene	100-42-5	LIQUID	1418.71	42.56	517.83
		Phenol	108-95-2	SOLID	608.02	18.24	221.93
36	PIBSA	PIB	9003-27-4	LIQUID	821.93	24.66	300.01
		Maleic Anhydride	108-31-6	SOLID	161.10	4.83	58.80
		Oil	8001-22-7	LIQUID	98.63	2.96	36.00
37	SN	ACRYLIC ACID	79-10-7	LIQUID	10.69	0.32	3.90
		MALEIC ANHYDRIDE	108-31-6	SOLID	3.95	0.12	1.44
		NAOH Flakes	1310-	SOLID	3.29	0.10	1.20

Raw material Details							
Sr. No.	Group & Product Name	Name of Raw Material	CAS No.	State	Quantity		
					Kg/Day	MT/M	MT/A
			73-2				
		WATER	7732-18-5	LIQUID	54.33	1.63	19.83
		NAOH Solution	1310-73-2	LIQUID	9.53	0.29	3.48

Existing Production Details				
Sr. No.	PRODUCT NAME	PRODUCTION QUANTITY		
		MT/A	MT/M	MT/D
1	Blending of fatty alcohol ethoxylates and ester products	600	50	1.67
2	Blending of synthetic alcohol ethoxylated and ester products	480	40	1.33
3	Blending of synthetic and fatty alcohol Ethoxylate products	660	55	1.83
4	Blending of ester-based products	960	80	2.67
5	Formulation of ethoxylates / propoxylate and esters-based products blend	900	75	2.50
6	Formulation of ester and ethoxylated products blend	1560	130	4.33
7	Formulation of amphoteric based products blend	240	20	0.67
8	Formulation of phosphate ester and ethoxylate products blend	240	20	0.67
9	Formulation of imidazoline based product blend	240	20	0.67
10	Formulation of p e wax emulsion and ethoxylated fatty alcohol amine blend	120	10	0.33
	Total	6000	500	16.67

Proposed Production Details					
Sr. No.	PRODUCT NAME	PRODUCTION QUANTITY			Groups
		MT/A	MT/M	MT/D	
1	PS-20	100.00	8.33	0.27	Polysorbates
2	PS-40	100.00	8.33	0.27	
3	PS-60	100.00	8.33	0.27	
4	PEG-200	60.00	5.00	0.16	Poly Ethylene Glycols
5	PEG-400	60.00	5.00	0.16	
6	PEG-600	60.00	5.00	0.16	
7	PG-4000	60.00	5.00	0.16	
8	L-61	60.00	5.00	0.16	EO-PO Block Copolymer
9	L-62	60.00	5.00	0.16	
10	L-64	60.00	5.00	0.16	

Proposed Production Details					
Sr. No.	PRODUCT NAME	PRODUCTION QUANTITY			Groups
		MT/A	MT/M	MT/D	
11	C 13 4 MOLE	45.00	3.75	0.12	Synthetic Oxo Alcohol Ethoxylates
12	C 13 7 MOLE	45.00	3.75	0.12	
13	C 13 9 MOLE	45.00	3.75	0.12	
14	2 PHA 4 MOLE	45.00	3.75	0.12	
15	NP 4 MOLE	60.00	5.00	0.16	Alkyl Phenol Ethoxylate-NP Based
16	NP 6 MOLE	60.00	5.00	0.16	
17	NP 9.5 MOLE	60.00	5.00	0.16	
18	OCTYL PHENOL 10 MOLE	60.00	5.00	0.16	
19	SML	180.00	15.00	0.49	Esters
20	SMP	180.00	15.00	0.49	
21	SMS	180.00	15.00	0.49	
22	SMO	180.00	15.00	0.49	
23	AMA	120.00	10.00	0.33	Amphoteric
24	PNP	120.00	10.00	0.33	Phosphate Esters
25	IDDS	180.00	15.00	0.49	Sulphonation
26	LA 10 MOLE	240.00	20.00	0.66	Fatty alcohol ethoxylate
27	IMIDAZOLINE 18 DA	240.00	20.00	0.66	Imidazolines
28	OLYEL AMINE CONDENSATE	180.00	15.00	0.49	Fatty Amine Ethoxylates
29	PHENOXY ETHANOL	840.00	70.00	2.30	Phenoxy Ethanol
30	CO 36 MOLE	90.00	7.50	0.25	Fatty oil ethoxylate
31	CO 40 MOLE	90.00	7.50	0.25	
32	OA 10 MOLE	180.00	15.00	0.49	Fatty Acid Ethoxylate
33	ESTER QUAT	840.00	70.00	2.30	Ester Quat
34	WAX EMULSION	120.00	10.00	0.33	Wax Emulsion
35	STYRENATED PHENOL	240.00	20.00	0.66	Addition Reaction
36	PIBSA	240.00	20.00	0.66	
37	SN	240.00	20.00	0.66	
	Total	5820.00	485.00	15.95	

Remark: Total production capacity of 11820 MT/A.

Table No. 1.

Water quantity (Fill up the details)	
1	Water Requirement: Existing: 37 (CMD) Proposed: Nil Total: 37 (CMD)
2	Source and permission: Sourced from MIDC, Lote-Parshuram (In process)
3	Water consumption:

	Existing: 37 (CMD) Proposed: Nil Total: 37 (CMD)
4	Effluent generation: Existing: 26.60 (CMD) (25 CMD Industrial + 1.6 CMD Domestic) Proposed: Nil Total: (25 CMD Industrial + 1.6 CMD Domestic)
5	Rain water harvesting details: The built -up area of industry is 1178.80 m2 with annual rainfall of 3175 mm. The total quantity of harvested water will be around **2994 m3**.

Table No. 2.

Sr. No.	Consumption details	Quantity (CMD)			Effluent generation details	Quantity (CMD)		
		Existing	Proposed	Total		Existing	Proposed	Total
1	Domestic	2.0	0.0	2.0	Domestic	1.6	0.0	1.6
2	Industrial Process/ washing	25.0	0.0	25.0	Industrial Process/ washing	24.0	0.0	24.0
3	Industrial Cooling, spraying in mine pits or boiler feed	9.0	0.0	9.0	Industrial Cooling, spraying in mine pits or boiler feed	1.0	0.0	1.0
4	Gardening	1.0	0.0	1.0	Gardening	0.0	0.0	0.0
Total		37	0.0	37.0	37.0	26.6	0.0	26.6

Table No. 3.

Sewage	
1	Sewage generation: 1.6 (CMD)
2	Sewage treatment and disposal: The domestic effluent shall be treated portable STP and used for greenbelt development.

Table No. 4

Effluent generation (Fill up the details)		
1	Quantity:	Existing: 26.60 (CMD) (25 CMD Industrial + 1.6 CMD Domestic) Proposed: Nil Total: (25 CMD Industrial + 1.6 CMD Domestic)
2	High TDS/ COD Quantity:	--
3	Low TDS/ COD Quantity:	Existing: 25.0 (CMD) Proposed: Nil Total: 25.0 (CMD)
4	Effluent treatment Scheme (Brief	Existing: In operation stage of existing project, the effluent generated from the process is 25 CMD which is treated in Effluent Treatment Plant (ETP) having capacity of 30 CMD and

	information):	treated effluent will be recycled within site to a maximum extent the additional treated effluent will be sent to CETP for further treatment and disposal. The domestic effluent shall be treated in portable STP and used for greenbelt development. Proposed: There will be no effluent generated from the proposed project
5	ZLD Effluent treatment (Brief information):	NA
6	CETP (Name & membership details)	Lote Parshuram MIDC
7	Parameters of treated effluent :(PH/ TSS/ TDS/ COD/ BOD/ Heavy Metals/ Benzene/ etc.)	

Sr. No.	Parameters	Treated effluent concentrations
1	pH	6.5 – 8.5
2	TSS	< 100
3	TDS	< 2100
4	COD	< 250
5	BOD	< 100
6	Heavy Metals	NA
7	Benzene	NA

Table No. 5.

Solid Waste Management (Fill up the details)				
Sr. No.	Type	Quantity	Source	Disposal
1	Plastic bags	400 Nos./Day	Packing and storage of raw material	Authorized recycler/ preprocessor
2	HDPE drums	100 Nos./Day	Packing and storage of raw material	Authorized recycler/ preprocessor

Table No. 6.

Hazardous Waste Generation & Disposal (Fill up the details)					
Sr. No.	Category	Type	Quantity	Source	Disposal
1	Chemical sludge from wastewater treatment	34.3	500 Kg/M	Wastewater Treatment Plant	Will send to CHWTSDF
2	Used/Spent Oil	5.1	100 Kg/A	Wastewater Treatment Plant	Will send to CHWTSDF

Table. No. 7.

Sr. No.	Type	Quantity	For (Boiler/ DG set)	Ash (generation%)	SO2 %	Air pollution control measures
1	Biodiesel/ PNG/ Diesel	2600 Lit/Day	0.85 TPH Boiler	0.0157	0.05 Max.	18-meter stack

2	HSD	51.4 Lit/Hr	1*250 KVA DG Set	0.01	0.05 Max.	3-meter stack above roof level

Table No. 8

Energy	
1	Source of Power: Maharashtra State Electricity Distribution Co. Limited (MSEDCL)
2	Demand (KVA): Total connected load will be 260 KW and sanctioned load will be 148.5 KW
3	DG set (Capacity): 1*250 KVA
4	Renewable energy details with budget allocation: 0.1485 MW from Solar Panel (i.e. 10 % contribution from Renewable Source)

Table No. 9.

Stack details with specification					
Sr. No.	Stack Attached to	Type of Fuel	Height in meters	Dia in meter	APC Equipment
1	1* 850 Kg/hr	Biodiesel/ PNG/ Diesel	18	0.3	A stack of 18 meters
2	1*250 KVA DG Set	HSD	3	0.1	3 m stack height above roof level

Table No. 10.

Public Hearing	
1	Date: NA
2	Compliance: NA
3	Budget allocation: NA
4	Time limit for implementation: NA
5	MOM of public hearing attached: No
Note: Projects located in notified industrial estates are often exempt from public hearings	

EMP Implementation

Sr. No.	Component	Particulars		Capital investment in Lakhs	Recurring Cost in Lakhs
1	Air	Construction of new stack for boiler.		60	5
2	Water	ETP (With OCMS)		250	8
3	Noise	Acoustic enclosures, Silencer pads, ear plugs etc.		50	2
4	Environment monitoring and Management	Monthly Environment Monitoring (Per Year)		0	15
		Ambient air monitoring	PM_{10}, $PM_{2.5}$, SO_2, NOx		
		Boiler & DG	TPM, SO_2, NOx		

Sr. No.	Component	Particulars		Capital investment in Lakhs	Recurring Cost in Lakhs
		Set Monitoring			
		Effluent (Treated & Untreated)	pH, COD, BOD, TSS, TDS, Oil & Grease		
5	Occupational Health	Glares, Breathing Masks, Gloves, Boots, Helmets, Ear Plugs etc. & annual health-medical check-up of workers, Occupational Health (training, OH Centre)		80	5
6	Greenbelt	Green belt development activity		3.2	1
7	Solid Waste Management	Solid Waste Management		40	2
8	Rain water harvesting	Rain water harvesting		15	0.5
9	Storm water drainage	Storm water drainage design and construction		15	0.5
10	Solar Power & Energy Conservation	Street lights installation with Solar Systems		45	1
11	Fire and Safety	Fire and Safety Management		60	5
12	Laboratory	Testing and Analysis		31.8	3
Total Cost (In Lakhs)				650	48

CER Implementation

Sr. No.	Project Area/ Sector	Village Name	Activities	Budgetary Provisions (Rs in Lakhs)
				Year 2025-26
1.	Infrastructure creation for drinking water supply and sanitation	Sheldi, Kulvandi, Humanewadi Village	Sanitation Facilities	8
2.	Health	--	--	--
3.	Education	1. Puran Prathmic Shal, Gunade Village, 2. Jilha Parished Prathmic Shala Kavale Village 3. Marathi School Asgani Village 4. Jilha Parished Shala No.2 Kasai (Navanagr) Village	Computers & Training Programme	16
4.	Skill development	--	--	--
5.	Roads	Satvin and Charani Village	Village Road	6.26
6.	Cross drains	--	--	--
7	Electrification including solar power	Hedali, Bhojnewadi, Banewadi, Bandrewadi, Pimpalwadi and Mirle	Solar Panel	10

Sr. No.	Project Area/ Sector	Village Name	Activities	Budgetary Provisions (Rs in Lakhs)
				Year 2025-26
		Village		
8	Solid waste management facilities	--	--	--
9	Scientific support and awareness to local farmers	Boraj, Avashi, Kaluste and Bhelsai Village	Awareness to local farmers	2
10	Rain water harvesting	--	--	--
11	Plantation in community areas	--	--	--
Total				44.26

3. Proposal was considered by SEIAA in its 305th (Day-2) meeting held on 16th September,2025 and decided to accord Environment Clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implantation of following terms and conditions-

Specific Conditions:

SEAC Conditions-

1. PP to submit approved layout from competent authority.
2. PP and their accredited consultant to submit an undertaking mentioning that they have not violated any requirement of EIA Notification,2006 as amended from time to time.
3. PP to submit pointwise compliance of Consent to Operate (CTO) received from MPCB to the project.
4. PP to submit revise structural stability certificate indicating the existing structure is adequately stable to accommodate the product activities including additional equipment's & manpower.
5. PP to obtain license/approval for the storage of flammable chemicals from the competent authority.
6. PP to carry out chemical compatibility chart analysis of chemicals utilized/produced in the industry & ensure that onsite storage of chemicals area as per material safety data sheet; PP to obtain permission from competent authority for storage of hazardous chemical, if required.
7. PP to revise CER plan as per observations of Socio-economic survey & implement the same in consultation with the District Authority as per OM dated:01/05/2018 issued by MoEF & CC.
8. PP to obtain Consent to Establish & Operate under the provisions of prevailing acts from the State pollution Control Board for proposed expansion.

SEIAA Conditions

1. PP has obtained plan approved from MIDC vide MIDC/SPA/CHP/E188133 dated 10/04/2025 and as per the plan their total plot area of the project is 3825.00m2 and they have proposed green belt of 1271.96 m2 i.e. 33.30 % of total plot area. MIDC to ensure the compliance of the same.
2. PP to undertake Miyawaki plantation of native and indigenous trees such as Banyan, Peeple, Neem, Jamun and other suitable trees as per the Forest Department, Govt. of Maharashtra circular no SaVaVi-2019/C.R.3/F-11, dated 25th June, 2019. The said plantation to be completed in the first year of operation of Environmental Clearance under expert guidance of Miyawaki experts / arborist.

3. PP to strictly observe the Solid Waste Management Rules, 2016 as amended time to time.
4. PP to strictly observe the Hazardous and Other Wastes (Management & Trans boundary Movement) Rules, 2016 as amended time to time.
5. PP to identify all sources of fugitive air pollution on site and provide pollution control measures to mitigate pollution and meet the standard parameters stipulated in the Environment (Protection) Rules, 1986 amended time to time & Air (Prevention and Control of Pollution) Act, 1981 amended time to time.
6. PP to ensure storage of chemicals as per the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 amended time to time to ensure no release of any chemical to the atmosphere and leakage to the soil.
7. PP to ensure transport, storage, handling and use of the flammable/toxic chemicals as per conditions stipulated in license/approval of the Petroleum & Explosive Safety Organization (PESO).
8. PP to obtain approval and License from the Directorate of Industrial Health & Safety (DIHS) for proposed project and implement all condition stipulated therein. PP to carry out Safety Audit as stipulated in the Maharashtra Factories Rules, 1963 and ensure compliance of recommendation of the Audit.
9. PP to provide solar energy for illumination of Administrative Building, Street Lights and parking Area.
10. PP to ensure use of briquette /bio coal/ pellets/ or any such suitable product derived from scientific processing of appropriate stream of dry waste/agricultural waste, not less than 50 % of the total fuel requirement to the boiler.
11. PP to provide roof top Rain Water Harvesting facility.
12. PP to ensure that Project is a ZLD for unit.

General Conditions:

I. The project proponent shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded Environmental Clearance and copies of Environmental Clearance letter are available with the Maharashtra Pollution Control Board, website of the company and may also be seen at Website at http://parivesh.nic.in

II. The project Proponent shall upload the status of compliance (soft copies) of the conditions stipulated Environmental Clearance letter including monitoring data of air,water, soil, noise etc. on their website and shall update the same periodically. The half yearly compliance report shall simultaneously be submitted to the Maharashtra Pollution Controls Board, SEIAA and the Regional Office off MoEF&CC at Nagpur, on 1st June & 1sr December of each calendar year.

III. Separate fund shall be allocated for the implementation of Environmental Management Plan along with item wise break up and specific time line for its completion. The cost shall be included as part of the project cost. The funds earmarked for the environmental protection measures shall not be diverted for other purpose and year-wise expenditure should be reported to the MPCB and the SEIAA.

IV. A separate Environmental Management Cell with qualified personnel shall be set up for implementation of the stipulated environmental safeguards.

V. In the event of failure of any pollution control equipment, the manufacturing activity shall be immediately stopped safely till the effective functioning of pollution control equipment's

is regained.

VI. PP to strictly follow conditions stipulated in the Consent to Establish/Operate issued by the Maharashtra Pollution Control Board.

VII. PP to provide separate drains for storm water and effluent, and ensure that, the storm water drains are dry all the time and in no case the effluent shall mix with the storm water drain.

VIII. Periodic Monitoring of ground water in the study area as marked in the Environmental Impact Assessment Report shall be undertaken and results analysed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.

IX. The overall noise levels in and around the factory premises shall be kept within the prescribed standard under the Environment (Protection) Act, 1986 and Rule, 1989 as amended from time to time by providing adequate noise control measures and protective equipment's like ear muff and ear plug etc.

X. Adequate safety measures shall be ensured to limit the risk zone within the factory premises. Leak detection system shall be installed for early detection and mitigation purpose.

XI. PP to scrupulously follow the requirements of Maharashtra Factories Act, 1948 & Rules 1963 as amended from time to time.

XII. The Environmental Statement for each financial year ending on 31st March in Form-V as is mandated to be submitted by the Project Proponent to the concerned Pollution Control Board as prescribed under the Environment (Protection) Rule, 1989 as amended from time to time, it shall also be put on the website of the company along with the status of the compliance of the conditions stipulated in the Environmental Clearance leatter.

4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.

5. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, amended time to time.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

10. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D-Wing, Opposite Council

Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Jayashree Bhoj (IAS)
(Member Secretary, SEIAA)

Copy to:

1. Chairman, SEIAA (Maharashtra), Mumbai.
2. Secretary, MoEF & CC
3. IA- Division MOEF & CC
4. Member Secretary, Maharashtra Pollution Control Board, Mumbai.
5. Regional Office MoEF & CC, Nagpur
6. District Collector, Raigad.
7. Regional Officer, Maharashtra Pollution Control Board, Raigad.