



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annexe,
Mumbai- 400 032.
Date: June 24, 2020

To,
Mr. Mohit Jalote , M/s. Solvay Specialities India Private Limited
at Plot No. 103/104, part 105 part (I, II & 2), MIDC Area, At Dhatav - 402 116, Taluka- Roha, Dist.- Raigad, Maharashtra

Subject: Environment Clearance for Proposed project for expansion in existing product with decreasing and increasing capacities of the existing products and addition of new products for manufacturing of Specialty chemicals and Surfactants at plot no. 103/104, 104 part, 105 part (I, II & 2) by Solvay Specialities India Private Limited, Roha, Maharashtra.

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-I, Maharashtra in its 176th meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 195th meetings.


2. It is noted that the proposal is considered by SEAC-I under screening category 5 (f) B1 as per EIA Notification 2006.

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

1.Name of Project	Proposed project for expansion in existing product with decreasing and increasing capacities of the existing products and addition of new products for manufacturing of Specialty chemicals and Surfactants at plot no. 103/104, 104 part, 105 part (I, II & 2) by Solvay Specialities India Private Limited, Roha, Maharashtra.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Mohit Jalote , M/s. Solvay Specialities India Private Limited
4.Name of Consultant	Mr. Anand Apte, Goldfinch Engineering Systems Private Limited
5.Type of project	Industrial- Manufacturing of Specialty chemicals and Surfactants
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing product with decreasing and increasing capacities of the existing products and addition of new products
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	Plot No. 103/104, part 105 part (I, II & 2), MIDC Area, At Dhatav - 402 116, Taluka- Roha, Dist.- Raigad, Maharashtra
9.Taluka	Roha
10.Village	Roth Bk.
Correspondence Name:	Mr Mohit Jalote
Room Number:	Plot No. 103/104, 104 part, 105 part(I,II& 2)
Floor:	-
Building Name:	-
Road/Street Name:	MIDC Dhatav,
Locality:	Tal - Roha, Dist-Raigad
City:	Roha
11.Whether in Corporation / Municipal / other area	MIDC, Roha, Maharashtra

SEIAA Meeting No: 195 Meeting Date: March 14, 2020 (SEIAA-STATEMENT-000003831)
SEIAA-MINUTES-0000003164
SEIAA-EC-0000002267

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Shri. Anil Diggikar (Member Secretary SEIAA)

12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area: 72844.75
13.Note on the initiated work (If applicable)	Nil
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	72844.75 Sq. m
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): 72844.75 Sq. m
	Non FSI area (sq. m.): Not applicable
	Total BUA area (sq. m.): 30437.64
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Not applicable
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 09-08-2019
19.Total ground coverage (m2)	25402.55
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	34.87
21.Estimated cost of the project	2959700000



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22. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	A) Sulfation and Sulphonation on 100% basis -	24500 (TPA)	-	24500 (TPA)
2	1.Linear Alkyl Benzene Sulphonic Acid	4200 (TPA)	(-) 2200 (TPA)	2000 (TPA)
3	2.Neutralized Salt of Olefin Sulphonate (Liquid /Powder/ Noodles)	-	-	2500 (TPA)
4	3.Neutralized Lauryl Alcohol Sulphate (Liquid/ Powder/ Noodles)	-	-	7000 (TPA)
5	4.Neutralized Lauryl Alcohol Ether Sulphate	-	-	5400 (TPA)
6	5.Sulphonic Acid	-	-	400 (TPA)
7	Sub Total of 2 to 5	17800 (TPA)	(-) 2500 (TPA)	15300 (TPA)
8	6.Alkoxylate Alcohol Sulphate (In consent it was mentioned as Ethoxylates Fatty Alcohol Sulphate & Propoxylates Alcohol Sulphate)	-	-	3700 (TPA)
9	7.Tridecyl Alcohol Alkoxylated Sulphate (TDA) Synthetic Alcohol	-	-	400 (TPA)
10	8.Sodium 2 Ethylhexyl Sulphate (2EH)	-	-	500 (TPA)
11	9.Alkoxylated Alkyl Phenol Sulphates	-	-	2600 (TPA)
12	Sub Total of 6 to 9	2500 (TPA)	(+) 4700 (TPA)	7200 (TPA)
13	* Individual category may exceed but overall category production will not exceed prescribed 24500 TPA limit of on 100% basis.	-	-	-
14	B) Blends of Surfactants	1000 (TPA)	(+) 9000 (TPA)	10000 (TPA)
15	C) Specialty Chemicals 100% basis	13780 (TPA)	-	13780 (TPA)
16	1.Betaine and its derivatives	1450 (TPA)	(+) 50 (TPA)	1500 (TPA)
17	2.Organic Amphoacetate and its derivative	70 (TPA)	(+) 930 (TPA)	1000 (TPA)

18	3.Organic Amphopropionate and its derivative	1970 (TPA)	(-) 1470 (TPA)	500 (TPA)
19	4.Fatty Amine & Fatty Amines Ethoxylates and its Derivative	110 (TPA)	(-) 10 (TPA)	100 (TPA)
20	5. Fatty Amides and its derivative	169 (TPA)	(-) 69 (TPA)	100 (TPA)
21	6. Organic Sulphates and Sulphonates of Phenols and its derivative	785 (TPA)	(+) 5715 (TPA)	6500 (TPA)
22	7. Phosphate ester and its derivatives	1400 (TPA)	(+) 1180 (TPA)	2580 (TPA)
23	8. Ethoxylates of Alkyl Phenol and their blends	2000 (TPA)	(-) 2000 (TPA)	0
24	9. Ethoxylates of Fatty alcohol synthetic alcohols and their blends	2050 (TPA)	(-) 2050 (TPA)	0
25	10.Sulfosuccinate and its derivative	3776 (TPA)	(-) 2276 (TPA)	1500 (TPA)
26	Sub Total of 1 to 10	13780 (TPA)	-	13780 (TPA)
27	* Individual category may exceed but overall category production will not exceed prescribed limit of 13780 TPA on 100% basis.	-	-	-
28	D) Sulphuric Acid	500 (TPA)	(+) 1000 (TPA)	1500 (TPA)
29	E) Sodium Sulphate salt from Evaporator	0	(+) 450 (TPA)	450 (TPA)
30	F) Ethylene oxide and Propylene oxide condensate of Hydrocarbons and hydrophobes	0	(+) 17000 (TPA)	17000 (TPA)
31	1. Alkyl phenol ethoxylates	0	(+) 2000 (TPA)	2000 (TPA)
32	2. Fatty alcohol ethoxylates	0	(+) 2000 (TPA)	2000 (TPA)
33	3. Tri Decyl alcohol ethoxylates	0	(+) 1100 (TPA)	1100 (TPA)
34	4. Ester Ethoxylates	0	(+) 2200 (TPA)	2200 (TPA)
35	5. Amine Ethoxylates	0	(+) 2100 (TPA)	2100 (TPA)
36	6. Vegetable Oil Ethoxylates	0	(+) 900 (TPA)	900 (TPA)
37	7. Hydroquinone Ethoxylate	0	(+) 1000 (TPA)	1000 (TPA)
38	8. Styrenated phenol ethoxylates	0	(+) 2500 (TPA)	2500 (TPA)
39	9. Oleic acid ethoxylates	0	(+) 400 (TPA)	400 (TPA)

40	10. Stearic acid ethoxylates	0	(+) 300 (TPA)	300 (TPA)
41	11. Polyethylene glycol propoxylates	0	(+) 1500 (TPA)	1500 (TPA)
42	12. Soya oil & Di Ethylene Glycol ester ethoxylates	0	(+) 850 (TPA)	850 (TPA)
43	13. Olyl cetyl alcohols ethoxylates	0	(+) 150 (TPA)	150 (TPA)
44	Sub Total of 1 to 13	0	(+) 17000 (TPA)	17000 (TPA)
45	* Individual category may exceed but overall category production will not exceed prescribed limit of 17000 TPA on 100% basis.	-	-	-
46	G) Esters of Oleic and stearic acid and their blends	0	(+) 2000 (TPA)	2000 (TPA)
47	H) Antioxidants	0	(+) 5800 (TPA)	5800 (TPA)
48	1. Aminic Antioxidants	0	(+) 5450 (TPA)	5450 (TPA)
49	2. Diisobutylene Antioxidants	0	(+) 200 (TPA)	200 (TPA)
50	3. Phenolic Antioxidants	0	(+) 150 (TPA)	150 (TPA)
51	Sub Total of 1 to 3	0	(+) 5800 (TPA)	5800 (TPA)
52	* Individual category may exceed but overall category production will not exceed prescribed limit of 5800 TPA on 100% basis.	-	-	-
53	I) Blends of aminic and phenolic antioxidants	0	(+) 500 (TPA)	500 (TPA)
54	J) Esters of Glycerine	0	(+) 250 (TPA)	250 (TPA)
55	Total	39780 (TPA)	(+) 36000 (TPA)	75780 (TPA)

23.Total Water Requirement

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Dry season:	Source of water	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Wet season:	Source of water	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

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24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	20	2	22	4	0.4	4.4	16	1.6	17.6
Industrial Process	174	44.23	218.23	120.5	10.53	131.03	53.5	33.7	87.2
Cooling tower & thermopack	225	338	563	212.5	329.5	542	12.5	8.5	21
Gardening	8	112	120	8	112	120	0	0	0
Fresh water requirement	427	496.23	923.23	345	452.43	797.43	82	43.8	125.8
Fresh water requirement	Recycle water (RO permeate+ Live steam condensate + STP)		38+8+ 17.6= 63.6	-	-	-	-	-	-
Fresh water requirement	Recycle condensate from steam from DMCC adjutant company		120	-	-	-	-	-	-
Fresh water requirement	Net fresh water requirement after total commissioning of the plant		923.23-183.6 = 739.63	-	-	-	-	-	-

25.Rain Water Harvesting (RWH)

Level of the Ground water table:	1.8 m to 2.8 m
Size and no of RWH tank(s) and Quantity:	70 KL raw water tank
Location of the RWH tank(s):	Nearer to material storage ware house
Quantity of recharge pits:	Nil
Size of recharge pits :	Not applicable as collected water will be reused
Budgetary allocation (Capital cost) :	Already Available
Budgetary allocation (O & M cost) :	11200 Rs./Annum
Details of UGT tanks if any :	Raw water storage Tank- 500 m3, 300 m3 and 200 m3

26.Storm water drainage	Natural water drainage pattern:	Proper and separate storm water drains are already provided as per natural slopes.
	Quantity of storm water:	637 Lit/s
	Size of SWD:	1078 Lit/s
27.Sewage and Waste water	Sewage generation in KLD:	17.6 CMD
	STP technology:	Sewage waste water 17.6 CMD will be treated in existing STP of capacity 20 CMD and will be recycled and reused for the gardening in Non-monsoon season and for utilities in Monsoon Season.
	Capacity of STP (CMD):	20 CMD
	Location & area of the STP:	Near empty drum storage yard , 120 Sq. m
	Budgetary allocation (Capital cost):	22 Lacks
	Budgetary allocation (O & M cost):	2.0 lacs/Annum



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28.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction waste amounting to 1217.51 Ton will be generated and demolition waste amounting to 4415 MT will be generated.
	Disposal of the construction waste debris:	In low lying area
Waste generation in the operation Phase:	Dry waste:	Hazardous waste- • Empty Containers- 18150 Nos./A Non-Hazardous waste- • Paper Waste- 0.5 MT/A
	Wet waste:	Disposal to CHWTSDF • Waste Oil- 7.5 MT/A • ETP Sludge biological- 200 MT/A • ETP Sludge from Primary Treatment - 100 MT/A • Evaporator Salt- 30 MT/A • Spent carbon from ETP = 50 MT/A • Spent Catalyst- 800 MT/A • Process Waste - 150 MT/A • Biomedical waste 12 Kg/M Non-Hazardous waste- • STP Sludge- 3.5 MT/A
	Hazardous waste:	Disposal to CHWTSDF • Waste Oil- 7.5 MT/A- • ETP Sludge biological- 200 MT/A • ETP sludge from Primary - 100 Evaporator Salt- 30 MT/A • Process waste- 150 MT/A • Empty Containers- 18150 Nos./A • Spent carbon from ETP = 50 MT/A • Spent Catalyst- 800 MT/A- Other waste : • Battery Waste- 0.5 MT/A- • E-Waste- 0.5 MT/A- • Biomedical waste -12 Kg/M Non-Hazardous waste- • Paper Waste- 0.5 MT/A • STP Sludge- 3.5 MT/A
	Biomedical waste (If applicable):	12 Kg/M
	STP Sludge (Dry sludge):	3.5 MT/A
	Others if any:	• Battery Waste- 0.5 MT/A • E-Waste- 0.5 MT/A
Mode of Disposal of waste:	Dry waste:	• Sale to Authorized re-processors & • CHWTSDF
	Wet waste:	• Sale to Authorized re-processors & • CHWTSDF
	Hazardous waste:	• Sale to Authorized re-processors & • CHWTSDF
	Biomedical waste (If applicable):	Sale to authorized medical waste disposal facility
	STP Sludge (Dry sludge):	Used as manure for gardening
	Others if any:	Sale to authorized re-processors
Area requirement:	Location(s):	Near ETP
	Area for the storage of waste & other material:	Area for the storage of Hazardous waste 50 Sq. m.
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	8 Lacs
	O & M cost:	75 Lacs

29. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	PH	-	6.5-9.0	7.0-7.5	6.5 - 8.5
2	COD	Mg/Lit.	8000 - 9000	200 - 250	<250
3	BOD (3 days at 27 °C)	mg/lit	4100 - 4600	60 - 80	<100
4	TDS	mg/lit	2500 - 3000	1500 -1800	<2100
5	TSS	mg/lit	400 - 500	50 - 80	<100
Amount of effluent generation (CMD):		108 CMD (Existing 66 CMD +proposed 42.2 CMD)			
Capacity of the ETP:		Existing ETP having capacity 80 CMD will be upgraded to 130 CMD			
Amount of treated effluent recycled :		Recycle water (RO permeate+ Live steam condensate from MEE + STP + Steam condensate from steam taken from DMCC) = 38+8+17.6+ 120= 183.6			
Amount of water send to the CETP:		66 CMD as per consent will be discharged to CETP and remaining 42.2 CMD will be recycled and reused by passing through RO.			
Membership of CETP (if require):		Yes			
Note on ETP technology to be used		Trade Effluent: 66 CMD + (42.2+6 CMD) = 108 CMD. 6 CMD from proposed trade effluent is actually mother liquor and will be treated separately and recycled and reused in back in process. Hence total effluent generation from process will be 42.2 CMD. Trade effluents generated will be treated in primary treatment. Primary treated effluent will be subjected to anaerobic bioreactor followed by two stage bioreactors. After tertiary treatment consented trade effluent (66 CMD) and treated waste water fro			
Disposal of the ETP sludge		CHWTSDF			

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30.Hazardous Waste Details							
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Waste oil	5.1	MT/A	0.5	3	7.5	Sale to authorized re-processors
2	ETP Sludge biological*	35.3	MT/A	100*	100	200	Gardening / CHWTSDF
3	ETP Sludge from Primary	35.3	MT/A	0	100	100	CHWTSDF
4	Evaporator Salts	35.3	MT/A	0	30	30	CHWTSDF
5	Spent carbon from ETP	35.3	MT/A	0	50	50	CHWTSDF
6	Empty Container	33.1	Nos./A	18150	-	18150	Sale to authorized re-processors
7	Spent Catalyst	28.2	MT/A	-	800	800	CHWTSDF
8	Process Waste	28.1	MT/A	-	150	150	CHWTSDF
9	<p>Note: * Existing consent shows generation of ETP Sludge 432 TPA however, in all those year we have never reached to the said quantity though we are operating the plant full fledge. Hence, we want to correct the quantity by mentioning the actual generation of quantity. , *In existing consent ETP sludge was not separated out as primary, secondary and tertiary quantity given was considering both. However, in proposed quantities are bifurcated.</p>						
10	Other wastes	-	-	-	-	-	-
11	Battery Waste	Not Specified	MT/A	-	0.5	0.5	MPCB authorized and registered Battery Recyclers
12	E-Waste	Not Specified	MT/A	-	0.5	0.5	MPCB authorized and registered E-Waste Recyclers
13	Biomedical Waste	Not Specified	Kg/M	-	12	12	Sale to authorized medical waste disposal facility
14	Non hazardous Waste:	-	-	-	-	-	-
15	Paper Waste	Not Specified	MT/A	-	0.5	0.5	Sale to authorized re-processors
16	STP Sludge	Not Specified	MT/A	3.5	-	3.5	Used as manure for gardening

31.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Existing Boiler - 1 no. of 3 TPH	LDO/C9+: 4.6 TPD	1	30 m from ground	0.61	135 °C
2	Proposed Boiler - 1 no. of 5 TPH	LDO/C9+: 7.0 TPD	1	35 m from ground	0.6	135 °C
3	Existing Air Heater System - 1 No. of 5600 M3/hr.	LDO/C9+: 3.5 TPD	1	30 m from ground	0.6	135 °C
4	Proposed Hot oil System - 1 No. of 12 Lac Kcal/hr.	LDO/C9+: 3.8 TPD	1	30 m from ground	0.6	145 °C
5	Existing DG Set - 1 Nos. 1250 KVA,	HSD - 1091 lit/Day	1	30 m from ground	0.3	145 °C
6	Existing DG Set - 1 Nos. 1000 KVA	HSD- 873 lit/Day	1	7.5 m above enclosure	0.3	145 °C
7	Existing DG Set - 1 Nos. 500 KVA	HSD - 436 lit/Day	1	3.5 m above enclosure	0.3	145 °C
8	Proposed DG Set - 1 Nos. 2000 KVA	HSD - 1746 lit/Day	1	30 m	0.3	145 °C
9	<p>Note: 1) We are purchasing steam from adjacent company (Dharamasi Morarji Chemical Company Limited.) on need and availability basis. DMCC is providing steam from their waste heat Boiler. Existing steam requirement 40 TPD and additional steam requirement after expansion will be 80 TPD. 2) Existing and proposed boiler will be run only when DMCC unable to provide the steam in case of contingency situation.</p>					

32.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	LDO/C9+	8.1	10.8	18.9 TPD
2	HSD	2400 Lit/Day	1746 Lit/Day	4146 Lit/Day
33.Source of Fuel		Local Market		
34.Mode of Transportation of fuel to site		By Road		

35.Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	In house
	DG set as Power back-up during construction phase	In house
	During Operation phase (Connected load):	Existing: Connected Load : 4408 KW Additional power required: 2500 KW Total power requirement (Connected Load) : 6908 KW
	During Operation phase (Demand load):	Existing: Operational Load: 1350 KW Proposed: Operational Load: 2000 KW, Total power requirement: (Operational Load) 3350 KW
	Transformer:	1500 KVA, 1000 KVA, 2 x 750
	DG set as Power back-up during operation phase:	Existing 3 Nos. of DG set having capacity 1250 KVA, 1000 KVA & 500 KVA and proposed will be 1 No of DG set having Capacity 2000 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

Energy saving by non-conventional method:

3.1 MWp solar power will be generated. This Solar generated power is transmitted to Solvay, Roha Plant through MSEDCL Grid (Open Access)

36.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	-	-

37.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	Provision of stacks &ESP / SCRUBBER / Bag Filter	Provision of stacks &ESP / SCRUBBER / Bag Filter
Water	WWTU /STP	Up gradation of ETP, Installation of RO, Evaporator
Noise	Acoustic enclosure for DG set	Acoustic enclosure for DG set
Solid Waste	Disposal to CHWTSDF/Sale to Authorized re-processor	Disposal to CHWTSDF/ Sale to Authorized re-processor

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	2328 Lacs
	O & M cost:	254.53 lacs/ Annum

38.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Dust	Air Pollution	1.00
2	Debris	Solid Waste	1.00
3	Construction equipment	Solid Waste	0.50

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air pollution control	• Provision of stacks of height as recommended by CPCB • ESP / SCRUBBER / Bag Filter	700	27
2	Water pollution control	Up gradation of ETP & installation of RO, Evaporator	1600	125.33
3	Noise pollution Control	Acoustic enclosure and regular maintenance	20	27.2
4	Occupational Health	Medical checkup, Health insurance policy, Medical staff charges, First aid facilities, consumables, In-house first aid room, Other infrastructure and Equipment	50	8
5	Environmental Monitoring Budget	Environmental Monitoring	18	11.45
6	Hazardous waste Storage & disposal	Storage, Transportation and disposal	8	75
7	Green belt	Development & Maintenance	6	15
8	Total	-	2402	288.98

39.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
2 EH (2 Ethyl Hexenol)	Liquid	Tank Farm	20 MT	20	350	Local	By Road
Alcohol Ethoxylates (1M, 2M, 2.5M, 2M NAT,4M)	Liquid	Tank Farm	100 MT	440	500	Local	By Road
Alpha Olefine	Liquid	Tank Farm	100 KL	300 MT	4000	Import	By Road
Bricor 70 A	Liquid	Tank Farm	1000KG	90	1200	Import	By Road
Caustic Lye 48%	Liquid	Tank Farm	60	120	3500	Local	By Road
Lauryl ethoxylatedalchol (LAE) C12-16	Liquid	Tank Farm	20	40	100	Local	By Road
LAB (Linear Alkyl Benzene)	Liquid	Tank Farm	90	90	3500	Local	By Road
Lauryl Di Methyl Amine (LDMA)	Liquid	Tank Farm	40 kl	40	674	Local	By Road
Liquid SO3	Liquid	Tank Farm	15	15	1200	Local	By Road

Liquor Ammonium Hydroxide	Liquid	Tank Farm	35	35	190	Local	By Road
Octadecyl Alcohol Ethoxylated	Liquid	Ware house	200 kg	10	2000	Local	By Road
Sulphur	Solid / Liquid	Tank farm	150 Mt	150	2000	Local	By Road
Tri Decyl Alcohol Ethoxylated	Liquid	Ware house	200 KG	15	2000	Local	By Road
DPA (Di phenyl Amine)	Liquid	Tank farm	150 MT	150	2810	Local	By Road
Styrene	Liquid	Tank farm	35 MT	35	470	Local	By Road
Solvent D-40	Liquid	Tank farm	35 MT	35	122	Local	By Road
Di iso butylene	Liquid	Tank farm	130 MT	130	1550	Local	By Road
Alpha methyl styrene	Liquid	Tank farm	35 MT	35	590	Local	By Road
Nonane	Liquid	Tank farm	200 MT	200	920	Local	By Road
Formaldehyde	Liquid	Tank farm	15 MT	15	82	Local	By Road
40.Any Other Information							
No Information Available							



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	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	No such areas within 5 km radius circle.
	Category as per schedule of EIA Notification sheet	5 (f) B1
	Court cases pending if any	No
	Other Relevant Informations	Nil
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	10-08-2019

3. The proposal has been considered by SEIAA in its 195th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:

Specific Conditions:

I	PP to shift weigh bridge located on the road to the edge of the road to ensure uninterrupted vehicular movement.
II	PP to carry out physio chemical analysis of ETP sludge and obtain NOC from the competent Authority for its suitability to use as manure.
III	PP to prepare standard operating procedure for storage, handling and use of Ethylene Oxide and Propylene Oxide in English and Marathi language and provide training to all employees.
IV	PP to submit commitment for compliance of all the recommendations of HAZOP and Risk Assessment report.
V	PP to implement CER plan in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018.
VI	PP to use new and renewable energy for illumination of office buildings, street lights, parking areas and maintain the same regularly.
VII	PP to ensure that CER plan gets approved from District Collector.
VIII	PP to ensure to comply with the conditions stipulated in the Office Memorandum issued by MoEF& CC dated 9th August, 2018.

General Conditions:

I	(i)PP to achieve Zero Liquid Discharge ; PP shall ensure that there is no increase in the effluent load to CETP.
II	No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
III	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.
IV	Proper Housekeeping programmers shall be implemented.
V	In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieve.
VI	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable).
VII	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
VIII	Arrangement shall be made that effluent and storm water does not get mixed.
IX	Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.

X	Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.
XI	The overall noise levels in and around the plant are shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc. on all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.
XII	Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
XIII	Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.
XIV	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
XV	(The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
XVI	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.
XVII	Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.
XVIII	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
XIX	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department
XX	The project management 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 clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in
XXI	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
XXII	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
XXIII	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
XXIV	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
XXV	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

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, and amendments by MoEF&CC Notification dated 29th April, 2015.

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.


Shri. Anil Diggikar (Member Secretary SEIAA)

Copy to:

1. SHRI JOHNY JOSEPH, CHAIRMAN-SEIAA
2. SHRI UMAKANT DANGAT, CHAIRMAN-SEAC-I
3. SHRI M.M.ADTANI, CHAIRMAN-SEAC-II
4. SHRI ANIL .D. KALE. CHAIRMAN SEAC-III
5. SECRETARY MOEF & CC
6. IA- DIVISION MOEF & CC
7. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
8. REGIONAL OFFICE MOEF & CC NAGPUR
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