



Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority (SEIAA), TAMIL NADU)

To,

The Director Operations
PAYAL PLASTICHEM PRIVATE LIMITED
No E-24, 2nd Floor,
Netaji Subhash Marg,
Daryaganj,
New Delhi-110 002 -110002

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification, 2006 regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the SEIAA vide proposal number SA/TN/NO3415073/2023 dated 12 Mar 2023. The particulars of the environmental clearance granted to the project are as follows.

1. EC Identification No.	EC23021TN181385
2. File No.	8512
3. Project Type	New
4. Category	A
5. Project/Activity including Schedule No.	S/5 SynPact, organic chemicals industry (Pvt & Int) Intermediates, bulk
6. Name of Project	Plasticity's Manufacturing Unit
7. Name of Company/Organization	PAYAL PLASTICHEM PRIVATE LIMITED
8. Location of Project	TAMIL NADU
9. TOR Date	NA

The project details along with terms and conditions are appended herewith from page no. 2 onwards.

Date: 24/04/2023

(s signed)
Thiru. Deepak S. Bhat
Member Secretary
SEIAA - (TAMIL NADU)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.

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THIRU.DEEPAK S. BILGI, I.F.S.
MEMBER SECRETARY

STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY-TAMILNADU

3rd Floor, Parasgal Maudigal,
No.1, Jeevika Road, Saidapet,
Chennai - 600 015.
Phone No. 044-24359973
Fax No. 044-24359973

ENVIRONMENTAL CLEARANCE (EC)

Letter No. SEIAA-TN.E.No.9512/EC-5/7/186/2022 dated 27.03.2023

To

M/s.Payal Plastics Private Limited
No.E-24,2nd Floor,
Netaji Subhash Marg, Durgam,
New Delhi-110 002

Re,

Sub: SEIAA-TN - Proposed Plastics Manufacturing Unit at S.F.No.185 (P) and 186 (P), Plot No. P1, SIPCOT Industrial Park, Irupar Village, Perambalur Taluk, Erode District, Tamil Nadu by M/s. Payal Plastics Pvt. Ltd Tamil Nadu - Category - "B1" and Schedule 5(f) - "Synthetic organic chemicals industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates)" under the EIA Notification, 2006 as amended - Issued - Regarding.

Ref: 1. Your application Seeking Terms of Reference Submitted on : 17.10.2022

2. ToR issued vide Lr No.SEIAA-TN/F.No.9512/2022/5(f)/TOR/1301/2022 Dated 21.11.2022.

3. Online Proposal for EC vide Proposal No. SIA/TN/INDIS/415073/2023 Dt. 28.01.2023.

4. EIA Report Submission Date: 30.01.2023.

5. Minutes of the 35th SEAC meeting held on 24.02.2023


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SEIAA-TN

6. Minutes of the 804th SEIAA meeting held on 27.03.2023.

This has reference to your application under reference 3rd & 4th cited, wherein you have submitted an application for the Proposed Plasticizers Manufacturing Unit at S.F.No.185 (P) and 186 (P), Plot No.P1, SIPCOT Industrial Park, Ingar Village, Perambalur Taluk, Erode District, Tamil Nadu by M/s. Payal Plastichem Pvt. Ltd, Tamil Nadu under Item No. 5D - (Synthetic organic chemicals industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates) & Category 'B1' of the Schedule to the EIA Notification, 2006.

S. No	Description	Details																								
1.	Name of the Project	Plasticizers Manufacturing Unit by M/s. Payal Plastichem Pvt. Ltd																								
2.	Location	S.F.No.185 (P) and 186 (P), Plot No.P1, SIPCOT Industrial Park, Ingar Village, Perambalur Taluk, Erode District, Tamil Nadu Coordinates Latitude: 11°33'22.1"N Longitude: 77°32'51.4"E																								
3.	Type of Project	Schedule 5D - Synthetic organic chemicals industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates)																								
4.	Total Area	<table border="1"> <thead> <tr> <th>S.No</th> <th>Particular</th> <th>Area (Sqm)</th> <th>% of Total Land</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Total area</td> <td>12141.0</td> <td>100</td> </tr> <tr> <td>2</td> <td>Process Building area</td> <td>2531.4</td> <td>21</td> </tr> <tr> <td>3</td> <td>Greenbelt</td> <td>4010.8</td> <td>33</td> </tr> <tr> <td>4</td> <td>Non-Process Building area</td> <td>2299.5</td> <td>19</td> </tr> <tr> <td>5</td> <td>Surface Parking</td> <td>242.8</td> <td>2</td> </tr> </tbody> </table>	S.No	Particular	Area (Sqm)	% of Total Land	1	Total area	12141.0	100	2	Process Building area	2531.4	21	3	Greenbelt	4010.8	33	4	Non-Process Building area	2299.5	19	5	Surface Parking	242.8	2
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		6	Road and pavement	2559.3	21																																		
		7	Other Utilities (Raw material storage shed, hazardous material shed, security room, etc.)	497.2	4																																		
5.	Cost of Project (INR)	Rs. 20 crores																																					
6.	Details of Proposed Products	<table border="1"> <thead> <tr> <th>S. No.</th> <th>Description of products</th> <th>Quantity (T/month)</th> <th>Quantity (T/annum)</th> <th>End Use</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Plasticizer (Ester Plasticizer, Epoxy Plasticizer, Ether Ester Plasticizer, Transverse Plasticizer)</td> <td>8,500</td> <td>1,02,000</td> <td>Product to be sold in market for manufacturing films, cables, plastic, Rubber Industries Shoe Soles, leather Cloth, Paints adhesives, binder, softener etc.</td> </tr> <tr> <td>2.</td> <td>Plasticizing Carbon</td> <td>25</td> <td>300</td> <td>Product Used for Black PVC compound</td> </tr> <tr> <td>3.</td> <td>Alkali Formate - Sodium Formate, Calcium Formate or Potassium Formate</td> <td>27</td> <td>324</td> <td>Product used for Dyeing and printing, pH Booster, De-icing Agent</td> </tr> <tr> <td>4.</td> <td>Alcohol/ Polyol - One alcohol / Glycerine</td> <td>171</td> <td>2,052</td> <td rowspan="2">Product used in Cosmetics & other similar Industry</td> </tr> <tr> <td>5.</td> <td>Organic Acid - Typically Phthalic / Terephthalic / Maleic/ Adipic/ Acetic acid</td> <td>45</td> <td>540</td> </tr> <tr> <td colspan="2">Grand Total</td> <td>8,768</td> <td>1,05,216</td> <td></td> </tr> </tbody> </table>				S. No.	Description of products	Quantity (T/month)	Quantity (T/annum)	End Use	1.	Plasticizer (Ester Plasticizer, Epoxy Plasticizer, Ether Ester Plasticizer, Transverse Plasticizer)	8,500	1,02,000	Product to be sold in market for manufacturing films, cables, plastic, Rubber Industries Shoe Soles, leather Cloth, Paints adhesives, binder, softener etc.	2.	Plasticizing Carbon	25	300	Product Used for Black PVC compound	3.	Alkali Formate - Sodium Formate, Calcium Formate or Potassium Formate	27	324	Product used for Dyeing and printing, pH Booster, De-icing Agent	4.	Alcohol/ Polyol - One alcohol / Glycerine	171	2,052	Product used in Cosmetics & other similar Industry	5.	Organic Acid - Typically Phthalic / Terephthalic / Maleic/ Adipic/ Acetic acid	45	540	Grand Total		8,768	1,05,216	
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7.	Toll details	Toll issued vide Letter No. SEIAA-TN/No.9512/2022/S(O)/TOR-1301/2022 dated: 21.11.2022																																															
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9.	a) Water requirement																																																

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	Component	Occupancy	Fresh Water Requirement	Recycled Water Requirement
		(Nos.)	(L/day)	(L/day)
	Working population	125	5,625	-
	Maintenance & Visitors	20	300	-
	Gardening & Landscaping (Area-4,110 Sq.m)	-	14,385	-
	Process	-	-	15,400
	Boiler Feed	-	7,000	-
	Cooling Tower	-	1,34,000	47,630
	Total	145	1,61,310	63,030
	Fresh water requirement - 161 KLD			
	Recycled water requirement - 63 KLD			
	b) Source	Fresh water supply - SIPCOT		
10.	Sewage/ Effluent treatment	<p>1) Domestic Sewage will be treated in Septic Tank and soak pit arrangements:</p> <p>a) Septic Tank (2 nos.) - 2.5 m x 2.5 m x 2.0 m (12.5 Cu.m)</p> <p>b) Soak Pit (4 nos.) - 1.0 m dia x 2.0 m</p> <p>2) For effluent treatment, ETP of capacity 40 KLD will be provided comprising of the following components followed by Multiple Effect Evaporator (MEE) with Agitated Thin Film Evaporator (ATFE):</p> <p>a) Collection and neutralization tank</p> <p>b) O₃ & Grease Settling Tank</p> <p>c) Flash Mixer</p> <p>d) Filter Press</p> <p>e) MEE Feed Tank</p>		
11.	Sewage/ effluent Mode of disposal	Treated Effluent - 36.63 KLD to Solvent Recovery & Salt - 2.27 T/day to TNOF		

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12.	Non-Hazardous waste management	<ul style="list-style-type: none"> Domestic Waste (29 kg/day) will be sent to SIPCOT daily waste collection system Boiler ash (50 T/Month) will be sent to nearby brick manufacturing unit 																																																												
13.	Hazardous waste Management	<table border="1"> <thead> <tr> <th data-bbox="502 571 582 683">S. No.</th> <th data-bbox="590 571 726 683">Category of Waste</th> <th data-bbox="734 571 997 683">Description</th> <th data-bbox="1005 571 1204 683">Quantity</th> <th data-bbox="1212 571 1484 683">Disposal Method</th> </tr> </thead> <tbody> <tr> <td data-bbox="502 694 582 784">1</td> <td data-bbox="590 694 726 784">15.2</td> <td data-bbox="734 694 997 784">Used Oil</td> <td data-bbox="1005 694 1204 784">100 Lit/month</td> <td data-bbox="1212 694 1484 784">Authorized recyclers</td> </tr> <tr> <td data-bbox="502 795 582 985">2</td> <td data-bbox="590 795 726 985">6.2</td> <td data-bbox="734 795 997 985">Insulation waste, filter cloth, Sew dust, waste cleaning cloth</td> <td data-bbox="1005 795 1204 985">1 T/month</td> <td data-bbox="1212 795 1484 985">TSCW</td> </tr> <tr> <td data-bbox="502 996 582 1041">3</td> <td data-bbox="590 996 726 1041">15.3</td> <td data-bbox="734 996 997 1041">EIP Goggles</td> <td data-bbox="1005 996 1204 1041">57.6 T/ month</td> <td data-bbox="1212 996 1484 1041">TSCW</td> </tr> <tr> <td data-bbox="502 1052 582 1142">4</td> <td data-bbox="590 1052 726 1142">13.1</td> <td data-bbox="734 1052 997 1142">Empty Barrels</td> <td data-bbox="1005 1052 1204 1142">200 Nos./ month</td> <td data-bbox="1212 1052 1484 1142">Authorized vendors / reused / decontaminated & sold</td> </tr> <tr> <td data-bbox="502 1153 582 1243">5</td> <td data-bbox="590 1153 726 1243">13.1</td> <td data-bbox="734 1153 997 1243">Empty bags</td> <td data-bbox="1005 1153 1204 1243">81,000 Nos./ month</td> <td data-bbox="1212 1153 1484 1243">decontaminated & sold</td> </tr> <tr> <td data-bbox="502 1254 582 1344">6</td> <td data-bbox="590 1254 726 1344"></td> <td data-bbox="734 1254 997 1344">E-waste & battery waste</td> <td data-bbox="1005 1254 1204 1344">1 T/month</td> <td data-bbox="1212 1254 1484 1344">Authorized e-recycler/dismantler</td> </tr> <tr> <td data-bbox="502 1355 582 1411">7</td> <td data-bbox="590 1355 726 1411">26.4</td> <td data-bbox="734 1355 997 1411">Spent solvent</td> <td data-bbox="1005 1355 1204 1411">0.2 T/annum</td> <td data-bbox="1212 1355 1484 1411">TSCW</td> </tr> <tr> <td data-bbox="502 1422 582 1512">8</td> <td data-bbox="590 1422 726 1512">26.3</td> <td data-bbox="734 1422 997 1512">Spent acid</td> <td data-bbox="1005 1422 1204 1512">0.1 T/annum</td> <td data-bbox="1212 1422 1484 1512">Disposed to small scale units</td> </tr> <tr> <td data-bbox="502 1523 582 1556">9</td> <td data-bbox="590 1523 726 1556">26.2</td> <td data-bbox="734 1523 997 1556">Spent carbon</td> <td data-bbox="1005 1523 1204 1556">0.4 T/annum</td> <td data-bbox="1212 1523 1484 1556">TSCW</td> </tr> <tr> <td data-bbox="502 1568 582 1601">10</td> <td data-bbox="590 1568 726 1601">26.5</td> <td data-bbox="734 1568 997 1601">Spent catalyst</td> <td data-bbox="1005 1568 1204 1601">0.15 T/annum</td> <td data-bbox="1212 1568 1484 1601">TSCW</td> </tr> <tr> <td data-bbox="502 1612 582 1657">11</td> <td data-bbox="590 1612 726 1657">26.1</td> <td data-bbox="734 1612 997 1657">Process residue</td> <td data-bbox="1005 1612 1204 1657">0.5 T/annum</td> <td data-bbox="1212 1612 1484 1657">TSCW</td> </tr> </tbody> </table>	S. No.	Category of Waste	Description	Quantity	Disposal Method	1	15.2	Used Oil	100 Lit/month	Authorized recyclers	2	6.2	Insulation waste, filter cloth, Sew dust, waste cleaning cloth	1 T/month	TSCW	3	15.3	EIP Goggles	57.6 T/ month	TSCW	4	13.1	Empty Barrels	200 Nos./ month	Authorized vendors / reused / decontaminated & sold	5	13.1	Empty bags	81,000 Nos./ month	decontaminated & sold	6		E-waste & battery waste	1 T/month	Authorized e-recycler/dismantler	7	26.4	Spent solvent	0.2 T/annum	TSCW	8	26.3	Spent acid	0.1 T/annum	Disposed to small scale units	9	26.2	Spent carbon	0.4 T/annum	TSCW	10	26.5	Spent catalyst	0.15 T/annum	TSCW	11	26.1	Process residue	0.5 T/annum	TSCW
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14.	Quantity of Solid Waste generated per day (in Kgs). Make of	40 kg/day - Will be segregated as biodegradable & Non-biodegradable & Handed to authorized recyclers for disposal.																																																												

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	treatment and Disposal of Solid Waste																															
15.	Power requirement	<ul style="list-style-type: none"> ➤ The power requirement is estimated to be 1,000 kVA and it will be sourced from the TANGEDCO ➤ For the back-up power source 2 nos. of 1000 kVA capacity DG set is proposed 																														
16.	Air Pollution Control Measures (Stack)	<table border="1"> <thead> <tr> <th>S. No.</th> <th>Source of Emission</th> <th>Stack No.</th> <th>Control Measures</th> <th>Material of Construction</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Thermic Fluid Heater-1</td> <td>1</td> <td>Mechanical Dust Collector and Common Stack (45m above the ground level)</td> <td>Carbon Steel</td> </tr> <tr> <td>2</td> <td>Thermic Fluid Heater-2</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>Steam Boiler -1</td> <td>2</td> <td>Mechanical Dust Collector and Stack height (45m above the ground level)</td> <td></td> </tr> <tr> <td>4</td> <td>DG Set 1 (1000 KVA)</td> <td>3</td> <td>Acoustic enclosure with Stack (11 m above the ground level)</td> <td>Mild Steel</td> </tr> <tr> <td>5</td> <td>DG Set 2 (1000 KVA)</td> <td>4</td> <td>Acoustic enclosure with Stack (11 m above the ground level)</td> <td></td> </tr> </tbody> </table>	S. No.	Source of Emission	Stack No.	Control Measures	Material of Construction	1	Thermic Fluid Heater-1	1	Mechanical Dust Collector and Common Stack (45m above the ground level)	Carbon Steel	2	Thermic Fluid Heater-2				3	Steam Boiler -1	2	Mechanical Dust Collector and Stack height (45m above the ground level)		4	DG Set 1 (1000 KVA)	3	Acoustic enclosure with Stack (11 m above the ground level)	Mild Steel	5	DG Set 2 (1000 KVA)	4	Acoustic enclosure with Stack (11 m above the ground level)	
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17.	Provision for rain water harvesting	<p>A Collection Sump of 15 Cum for storage of the rainwater collected from roof top.</p> <p>Recharge Pits having total depth of 3.0m below ground level with 6 Nos. will be provided</p>																														

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		The peripheral drain having cross-section of 0.5m wide & 0.8m deep will be provided for the discharge of stormwater				
18.	Details of Green Belt Area	4,011 Sq.m.				
19.	Details of man power	125 Nos				
20.	Fuel requirement	S.No.	Boiler/ DG Set	Capacity	Fuel Type	Fuel Quantity
		1	Thermal Fluid Heater-1	50 Lac Kcal	Coal & Briquette	937.5 MT/ Month
		2	Thermal Fluid Heater-2	50 Lac Kcal	Coal & Briquette	937.5 MT/ Month
		3	Steam Boiler-1	4 Ton/Hr	Coal & Briquette	810 MT/ Month
		4	DG Set -1	1000 KVA	HSD/LDO/Gas	285 Litre/hr
		5	DG Set-2	1000 KVA	HSD/LDO/Gas	285 Litre/hr
21.	EMP Cost (INR)	Description		Budgetary Allocation (Rs. In Lakhs)		
				Capital Expenses	Operational Expenses (Per Annum)	Total
		Construction Phase		17.20	9.10	26.30
		Operation Phase		110.00	17.50	128.50
		Grand Total		127.20	27.00	154.20
22.	CER	Description of CER activity			Budgetary Allocation (Rs. In Lakhs)	
		Providing furniture, development of digital library, renovation of toilet blocks for the Government Higher Secondary School, Ingar Village, Perundurai, Tamil Nadu.			15.0	
		Total Amount (in Lakhs)			15.0	

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Affidavit

M/s. Payal Plastics Pvt. Ltd. represented by its authorized signatory, Mr. S. Saravanan, Deputy General Manager, having office at No.E-24, 2nd Floor, Nehruji Subhash Marg, Daryaganj, New Delhi - 110 002 proposed to establish the plasticizer manufacturing plant S.F Nos. 185 (P) and 186 (P), Plot No.P-1,SIPCOT Industrial Park, Ingar Village, Perambalur Taluk, Erode District.

We commit to the SEIAA that the daily fresh water requirement (150 KLD) for domestic and manufacturing process and 14 KLD for gardening during the entire period of operation for the unit will be met through SIPCOT as per the allotment order granted by SIPCOT vide Order No. P-II-SIP-P/Payal Plastics/2022 dated: 06.04.2022.

The Condensate Water (80.05 KLD) will be recycled for process (35.4 KLD), cooling tower makeup (44.63 KLD) within the plant. The recovered Distilled alcohol (1 KLD) will be used in the process for manufacturing and Salt (2.27 T/day) from Agitated Thin Film Evaporator (ATFE) will be sent to disposal facility (TSDF). Thus, Zero Liquid Discharge (ZLD) will be achieved in the proposed plant.

The domestic solid waste generation from our project during operation will be about 29 kg/day and the same will be handed over to SIPCOT daily waste collection system after segregation. The Boiler ash (50 T/Month) will be sent to nearby brick manufacturing unit. The hazardous waste will be stored under covered shed and handed over to authorized recyclers/ treatment, storage and disposal facility (TSDF). We shall dispose the solid waste as committed above without polluting the sub-ground water/adjacent canals/lakes/ponds etc.

We commit to the SEIAA that M/s. Payal Plastics Pvt. Ltd, will be liable for operation and maintenance of Effluent Treatment Plant (ETP) and Air Pollution Control (APC) measures from the date of operation of the project.

We commit to the SEIAA that our storm water drain will not carry any untreated (or) treated sewage generated from our project.

We commit to SEIAA that Rs. 15 Lakhs (Rupees Fifteen Lakhs only) is earmarked for Corporate Environmental responsibility (CER) activities (in addition to the EMP activities proposed for the


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project) subject to the provisions of Office Memorandums dated 30.09.2020 & 25.02.2021. The CER funds will be utilized as follows:

Description of CER activity	Budgetary Allocation (Rs. In Lakhs)
Providing furniture, development of digital library, renovation of toilet blocks for the Government Higher Secondary School, Ingar Village, Perambalur, Tamil Nadu.	15.0
Total Amount (in Lakhs)	15.0

We commit to SEIAA that the earmarked CER fund will be spent before obtaining Consent to Operate (CTO) from TNPCB.

We commit to SEIAA that the enclosed photographs of the site were taken on 10th day of March 2023. This photograph has been attested by me. It truly depicts the status of the springs on 10th day of March 2023.

We are aware that we can be prosecuted under relevant Act and Rules, if we do not adhere to the above commitment.

Commitment signed by me on 14th day of March 2023, as an Authorized signatory of the Project Proponent.

Approval by SEAC:

The proposal was placed for approval in the 338th meeting of SEAC held on 24.02.2023. The details of the project furnished by the proponent are available in the website (indiafish.nic.in).

The SEAC noted the following:

1. The project proponent, M/s. Royal Plastichem Pvt. Ltd, has applied for Environmental Clearance for the Proposed Plasticizers Manufacturing Unit at S.E.No.185 (P) and 186 (P), Plot No.P1, SIPCOT Industrial Park, Ingar Village, Perambalur Taluk, Erode District, Tamil Nadu.
2. The project activity is covered under Category "B1" of Item 5(i) "Synthetic Organic Chemicals Industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates)" of the Schedule to the EIA Notification, 2006.
3. ToR issued vide Letter No. SEIAA-TNF.No.9512/2022/5(i)/ToR-1301/ 2022 dated: 21.11.2022

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Based on the presentation made and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the following specific conditions, in addition to normal conditions stipulated by MOEF &CC:

1. The project proponent shall provide ETP of capacity 40 KLD with ZLD system.
2. The proponent shall provide, operate and maintain adequate Air-pollution control measures for the process area.
3. 100% of the roof coverage of the admin block building should be specifically allocated for solar panels and should be used for the generation of solar energy.
4. The proponent should continuously monitor the VOC and ensure that VOC levels are within permissible limits.
5. The proponent shall obtain and maintain valid safety licenses for the concerned department for boiler, solvent/hot/low material storage areas etc.
6. The proponent shall ensure that the area for boiler is earmarked, further the proponent may submit the safety measures on the same to TNPCB before obtaining CTO.
7. The proponent shall strictly follow the norms and guidelines mentioned in the Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016 for the handling and disposal of Hazardous waste to be generated.
8. The proponent shall periodically conduct and submit fire safety study, emergency evacuation plan, risk assessment study, occupational health safety study for the worst case scenario in regard to existing safety measures/standard operating procedures adopted for the process/equipment/machinery for operation Maintenance and the storage areas of products, raw materials, solvent, fuel, etc. in the different operating zones of the plant, at least once in a year to regularly identify safety fragile areas within the plant which require regular monitoring and the proponent shall submit the same along with timeline for implementation of the said recommendations to the concerned departments.
9. A detail report on the safety measure and health aspects including periodical audiometry, pulmonary lung function, etc., test reports once in a year for all the workers shall be submitted to TNPCB.
10. As the plant operation involves the sensitive processing, the medical officer and the supporting staff involved in the health centre activities shall be trained in occupational health surveillance (OHS) aspects through the outsourced training from the experts available in the field of OHS for ensuring the health standard of persons employed.


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11. As per the M&F&CC Office Memorandum F.No. 22-65/2017-IA,III dated: 30.09.2020 and 28.10.2020, the proponent shall adhere the EMP as committed.
12. As accepted by the Project Proponent the CER cost is Rs. 15 lakhs and the amount shall be spent before obtaining CTO from TNPCR, for providing furniture, development of digital library, renovation of toilet blocks to Government Higher Secondary School, Ingar Village, Perambalur, Tamilnadu.

Appendix - 4
List of Native Trees Suggested for Planting

No	Scientific Name	Local Name	Local Name
1	<i>Acacia auriculiformis</i>	Vilva	அவிர்
2	<i>Adiantum species</i>	Marigold	மாரி
3	<i>Albizia lebbekii</i>	Vilva	அவிர்
4	<i>Albizia speciosa</i>	Uthirai	உதிர்
5	<i>Bombax speciosa</i>	Marigold	மாரி
6	<i>Bombax speciosa</i>	Arise	அரி
7	<i>Bombax speciosa</i>	Vilva	அவிர்
8	<i>Bombax speciosa</i>	Vilva	அவிர்
9	<i>Bombax speciosa</i>	Vilva	அவிர்
10	<i>Bombax speciosa</i>	Vilva	அவிர்
11	<i>Bombax speciosa</i>	Vilva	அவிர்
12	<i>Bombax speciosa</i>	Vilva	அவிர்
13	<i>Bombax speciosa</i>	Vilva	அவிர்
14	<i>Bombax speciosa</i>	Vilva	அவிர்
15	<i>Bombax speciosa</i>	Vilva	அவிர்
16	<i>Bombax speciosa</i>	Vilva	அவிர்
17	<i>Bombax speciosa</i>	Vilva	அவிர்
18	<i>Bombax speciosa</i>	Vilva	அவிர்
19	<i>Bombax speciosa</i>	Vilva	அவிர்
20	<i>Bombax speciosa</i>	Vilva	அவிர்
21	<i>Bombax speciosa</i>	Vilva	அவிர்
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37	<i>Bombax speciosa</i>	Vilva	அவிர்
38	<i>Bombax speciosa</i>	Vilva	அவிர்
39	<i>Bombax speciosa</i>	Vilva	அவிர்
40	<i>Bombax speciosa</i>	Vilva	அவிர்

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41	Process effluents	Miscellaneous	Water
42	Process effluents	Chemicals	Not water
43	Process effluents	Miscellaneous	Not water
44	Process effluents	Process effluents	Water
45	Process effluents	Water	Water
46	Process effluents	Chemicals, Toluene	Water
47	Process effluents	Water	Water
48	Process effluents	Water	Water
49	Process effluents	Miscellaneous	Water
50	Process effluents	Miscellaneous	Water
51	Process effluents	Water	Water
52	Process effluents	Water	Water
53	Process effluents	Water	Water
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98	Process effluents	Water	Water
99	Process effluents	Water	Water
100	Process effluents	Water	Water

Discussion by SEIAA and the Remarks:

The proposal was placed in the 104th Authority meeting held on 27.03.2023. The Authority noted that this proposal was placed for approval in the 338th meeting of SEAC held on 24.02.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated herein.

After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Environmental Clearance subject to the conditions as recommended by SEAC in addition to the following conditions:

1. The Proponent shall store the raw materials within the threshold limit adhering to the guidelines of the Manufacture, Storage and Import of Hazardous Chemical Rules, 1989 as amended.
2. The project proponent shall provide & maintain adequate capacity STP, ETP with ZLD, & APC measures with treatment & disposal arrangements, & adequate storage area for raw materials/solvent/Hazardous/solid wastes, as committed in EMP adhering to the mode of disposal & discharge standards prescribed by the CPCB/TNPCB.
3. The project proponent shall provide STP & ETP in the elevated closed area above the ground level.
4. The project proponent shall operate & maintain the STP & ETP with ZLD continuously & efficiently so as to comply with the discharge standards prescribed by the CPCB/TNPCB.

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5. No untreated sewage, treated/untreated effluent shall be discharged inside & outside the project premises at any time.
6. The project proponent shall periodically monitor treated/untreated sewage, treated/untreated effluent, Noise levels & AAQ/Stack emission/VOC through the TNPCB laboratory and shall upgrade adequate mitigation measures, safety measures & monitoring mechanism as and when recommended by the competent authority.
7. The project proponent shall provide online/offline sensors/ analyzers for air quality parameters (AAQ/Stack emission), VOC, water quality parameters (sewage/Effluent) linked up to CAC/WQW websites of CPCB/TNPCB for continuous & effective monitoring as recommended by the CPCB/TNPCB before obtaining CTO and shall periodically calibrate the said sensors/ analyzers and submit report to TNPCB.
8. The project proponent shall periodically dispose the Hazardous waste generated as per provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Amendment Rules, 2016 as amended.
9. The project proponent shall periodically dispose the solid waste generated as per provisions of Solid waste Management Rules, 2016 as amended.
10. The project proponent shall ensure that the project activities do not cause harm to the natural vegetation/water bodies and other natural resources.
11. The project proponent shall ensure that the project activities do not cause any damage to the soil and natural seed banks.
12. The project proponent shall provide medical facilities, possibly with a medical officer in the project site for just-in-time monitoring the health of construction workers during COVID and Post - COVID period.
13. The project proponent shall ensure that there is no Green House Gases (GHG) emissions resulting in temperature rise and leading to climate changes.
14. The project/ project activities should not impact the soil microflora and fauna, biodiversity and water regime of the surrounding area.
15. There should not be any leakage or spillover from the project impacting the environment.
16. As the plant operation involves sensitive processing, the medical officer and the supporting staff involved in the health centre activities shall be trained in occupational health surveillance (OHS) aspects through outsourced training from the experts available in the field of OHS for ensuring the health standard of persons employed.

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17. The project activities should not result in long-standing damages to the soil, water and land environment.
18. The Phthalate and non-phthalate esters and the associated by-products should not contaminate the soil resulting in genotoxicity and ecotoxicity in the project site and its vicinity.
19. The plant operations should be guided by best management principles ensuring mitigation measures at every level.

The plasticizers used should in no way impact the urban and agriculture environment. **Validity:**

The SEIAA hereby accords Environmental Clearance to the above project under the provisions of EIA Notification dated 14th September, 2006 as amended, with validity for Seven years from the date of issue of EC, subject to the compliance of the terms and conditions stipulated below:

(A) 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. (in case 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


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time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989

(B) 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 recognized 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 recognized under Environment (Protection) Act, 1986.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for gaseous/criterion parameters relevant to the main pollutants released (e.g. PM and PM2.5 in reference to PM emissions, 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 0.3% 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, 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

(C) Water quality monitoring and preservation:

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- 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 Consents under the Air/Water Act, whichever is more stringent.
- iv. Total fresh water requirement shall not exceed the original quantity or as specified by the Commission. 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.

(D) 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

(E) 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.


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- 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, canteen 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.

(F) Corporate Environmental Responsibility:

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide Y.No. 23-652/17-1A, III dated 14 May 2018, as applicable, regarding Corporate Environmental Responsibility.
- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have people checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

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- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- v. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

(G) 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 & evaporator salt shall be disposed off to the TSW.
- iii. The company shall undertake waste management programs 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 cleaning to reduce wastewater generation.

Air Environment

1. Stack emission levels should be stringent than the existing standards in terms of the identified critical pollutants.
2. CEMS may be installed in all large/medium red category industries (air polluting) and connected to SPCC and CPCB server.
3. Effective fugitive emission control measures should be imposed in the process, transportation, packing etc.
4. Transportation of materials by rail/ conveyor belt, wherever feasible.


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5. Encourage use of cleaner fuels (jet coke/ furnace oil/ LSHS may be avoided).
6. Best Available Technology may be used. For example; usage of EAF/SAF/IF in place of Cupola furnace. Usage of Supercritical technology in place of sub-critical technology.
7. Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33%, wherever feasible.
8. Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry, etc.
9. Assessment of carrying capacity of transportation load on roads inside the industrial premises.

Water Environment

1. Reuse/recycle of treated wastewater, wherever feasible.
2. Continuous monitoring of effluent quality/quantity in large and medium Red Category Industries (water polluting).
3. A detailed water harvesting plan may be submitted by the project proponent.
4. Zero liquid discharge wherever testing - economically feasible.

Land Environment

1. Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33%, wherever, feasible for new projects.
2. Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry, etc.
3. Dumping of waste (fly ash, slag, red mud, etc.) may be permitted only at designated locations approved by SP/DP/PCOs.
4. More stringent norms for management of hazardous waste. The waste generated should be preferably utilized in by processing.
5. Monitoring of compliance of EC conditions may be submitted with third party audit every year.
6. The N of the CER may be at least 1.5 times the slabs given in the OM dated 01.05.2018 for SPA and 2 times for CPA in case of Environmental Clearance.

(B) SPECIFIC CONDITIONS:

- (i) It is mandatory for the project proponent to furnish to the SEIAA, Half yearly compliance report in hard and soft copies on 1st June and 1st December of each calendar year in respect of the conditions stipulated in the prior Environmental clearance issued.

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- (ii) "Consent for Establishment" shall be obtained from Tamil Nadu Pollution Control Board and a copy of the same shall be furnished to the SEIAA, Tamil Nadu before start of project construction activity at the site.
- (iii) "Consent to Operate" should be obtained from the Tamil Nadu pollution Control Board before the start of the operation of the project and copy shall be submitted to the SEIAA-TN.
- (iv) The implementation of Environmental Management Plan in regard to treatment and disposal of sewage & Effluent, Solid waste Management, Hazardous - Waste Management, and CSR Activities should be carried out, as proposed and permitted. Regular monitoring should be carried out during operation phases.
- (v) The residue collected from the separator shall be documented by maintaining proper register and it should be made available at the time of inspection.
- (vi) Adequate dust extraction system such as Ducting with dust extracting arrangement wherever required shall be established to achieve Occupational -health standards and ambient air quality standards.
- (vii) The proposer shall carryout best housekeeping practices as spillage management for handling and maintenance of raw materials and products inside the unit premises.
- (viii) Nature of chemicals handled, the Do and Don'ts shall be displayed in all vital locations as laid down in MSOS.
- (ix) The proposer shall ensure that the quantity of Hazardous Waste handled over the TSDF shall match with the quantity generated.
- (x) The proposer shall provide a separate closed area earmarked for storing solid waste including Hazardous Waste as proposed.
- (xi) The proposer shall dispose Hazardous Waste generated as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Spent oil from D.G sets should be stored in HDPE drums in an isolated covered facility and disposed off through TNPCC registered recyclers.
- (xii) The Plastic wastes shall be segregated and disposed as per the provisions of Plastic Waste (Management & Handling) Rules 2016.
- (xiii) The e - waste generated should be collected and disposed to a nearby authorized e-waste centre as per e waste (Management & Handling), Rules 2016 as amended.
- (xiv) The Municipal solid waste generated shall be collected, segregated and disposed as per Solid Waste Management Rules, 2016.

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- (xv) The industry shall conduct air sampling at least once in six months for the general core parameters (PM₁₀, PM_{2.5}, SO₂, NO₂) through TNPCB/NABL Accredited Laboratory and maintain records of the same and it should be made available at the time of inspection.
- (xvi) Regular monitoring on the air quality, water quality and noise on the selected locations in and around the project site as mentioned in the EMP report for creating base line data shall be continued and records shall be maintained.
- (xvii) A separate environment and safety management cell with qualified staff shall be set up before establishment of the facility and shall be retained throughout the lifetime of the industry, for implementation of the stipulated environmental safeguards.
- (xviii) The Green belt area already developed within the project area shall be properly maintained.
- (xix) The green belt of 5-10 m width shall be developed to more than 30% of the total project area, mainly along the plant periphery, in downwind ward direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.
- (xx) The industry shall promote tree plantation to neutralize their carbon foot print. The industry shall engage regularly in afforestation programmes.
- (xxi) The proponent shall ensure effective risk management strategy regarding confined space management to avoid risk while handling raw materials, products in the process area and storage.
- (xxii) The energy sources for lighting purposes shall preferably be LED based.
- (xxiii) The industry shall conduct air sampling at least twice in a week (204 times in a year), as stipulated under EP Act 1986.
- (xxiv) Risk cum disaster management plan should be in place in the industry premises at all time.
- (xxv) Water conservation scheme including rain water harvesting measures to augment ground water resources shall be implemented so as to collect and reuse the entire rainwater harvested as a supplement to fresh water.
- (xxvi) The natural drainage pattern in the project area shall be maintained and storm water drain along the boundary and appropriate places shall be provided considering the Catchment area and maximum intensity of rainfall to collect runoff water/rain water for proper disposal to avoid flooding around the premises.
- (xxvii) The Environmental Clearance is issued without prejudice to any order that may be passed by the Hon'ble NGT/ Hon'ble High Court of Madras.


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- (xxviii) All the assurances given in EIA and EMP shall be adhered strictly.
- (xxix) Detail study shall be carried out by engaging accredited agencies / reputed institutions for Risk management and detailed Disaster management plan prepared for compliance.
- (xxx) Sufficient funds should be provided for Disaster management.
- (xxxi) The Project Proponent shall provide disinfection by UV system for the sewage treatment plant for treating the sewage before applying on land for gardening.
- (xxxii) The project proponent shall provide sufficient ventilation (air circulation) in the hazardous waste storage yard where the hazardous waste like spent carbon, Chemical sludge, used or spent oil are being kept.
- (xxxiii) The Project Proponent shall carry out safety audit in the different operating zones of the plant at least once in a year and the same shall be considered as base for reviewing the unsafe conditions during the plant safety meeting.
- (xxxiv) The Project Proponent shall prepare a code of practice for safe operation for educating the safety standards to the work force deployed in the plant through appropriate training by the concerned experts.
- (xxxv) As the plant operation involves the sensitive processing, the medical officer and the supporting staff involved in the health check activities shall be trained in occupational health surveillance (OHS) aspects through the outsourced training from the experts available in the field of OHS for ensuring the health standard of persons employed.
- (xxxvi) The Activity of the industry should not impact on agricultural, irrigation system and mangroves surrounding the area.
- (xxxvii) The EMP cost including operation and maintenance cost shall be deposited in a nationalized bank by opening separate account and the head wise expense statement shall be submitted to TNPCB with a copy to SEIAA annually.
- (xxxviii) There should be no threat to Bio diversity due to the operation of the industry.
- (xxxix) The flora & fauna present in and around the project site should be get affected due to the activity as reported.
- (xl) The Project Proponent has to provide rain water harvesting collection tank capacity with Recharging pit in order to recover and reuse the rain water during normal rains.
- (xli) The operation of the activity should not impact on the soil, micro flora & Fauna present in and around the project site.


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- (xii) The project proponent shall carry out risk assessment process for all the operations involved in the plant and a suitable risk management plan showing the contours of sensitive zones should be prepared.
- (xiii) The project proponent shall take up better housekeeping measures including scraps disposal and up keeping the machineries, pipes, etc.
- (xiv) The proponent should continuously monitor the VOC and ensure that VOC levels are within permissible limits.

(f) **GENERAL CONDITIONS:**

- i. This Environmental Clearance shall not be cited to relax any other rules applicable to this project.
- ii. The Project Proponent should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the Environmental Clearance informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with TNPCC.
- iii. A copy of the Environmental Clearance shall be sent by the project proponent to concerned local body and local NGO, if any from whom suggestions/representatives, if any were received while processing the proposal.
- 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 Environmental Clearance shall also be put on the website of the company.
- vi. No expansion or modification in the project shall be carried out without prior approval of the SEIAA-TN. In case of any deviations or alterations in the project proposal from those submitted to this Authority for clearance, a fresh reference shall be made to the SEIAA-TN to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- vii. All the environmental protection measures and safeguards as recommended in the EIA report shall be complied with.
- viii. 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.

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- ix. The implementation of the project vis-à-vis environmental action plans shall be monitored by the Regional office of MoEF& CC at Chennai, TNPCB and CPCB. A six monthly compliance status report shall be submitted to monitoring agencies regularly.
- x. Data on ambient air, stack and fugitive emissions shall be regularly submitted online to the Regional office of MoEF& CC, GOI, at Chennai, TNPCB and Central Pollution Control Board as well as hard copy once in six months and display data on RSPM, SO₂ and NO_x outside the premises at the appropriate place for the general public.
- xi. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- xii. Proper house-keeping and cleanliness must be maintained within and outside the plant.
- xiii. Occupational health surveillance programme shall be undertaken as regular exercise for all the employees, especially for those engaged in handling hazardous substances. The first aid facilities in the occupational health centre shall be strengthened and the medical records of each employee should be maintained separately.
- xiv. The overall noise levels in and around the plant area shall be kept well within the standards prescribed for by providing noise control measures including acoustic hoods, silencers, enclosures etc. to all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1983 viz. 75dBA (day time) and 70 dBA (night time).
- xv. A separate Environmental Management Cell equipped with full fledged laboratory facilities to carry out the various Environmental Management and Monitoring functions shall be set up under the control of a Senior Executive.
- xvi. The requisite amount earmarked towards capital cost and recurring cost for implementing pollution control measures shall be used judiciously to implement the Environment Management Plan as furnished in the EIA report. The funds so provided shall not be diverted for any other purposes.
- xvii. The project proponent shall upload the status of compliance of the stipulated environmental clearance 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 the MOEF & CC, GOI at Chennai, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sector parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.


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- xxiii. 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 environmental conditions and shall also be sent to the respective Regional Offices of the MCEP by e-mail.
- xxiv. Environmental Clearance is being issued without prejudice to the action initiated under Environment (Protection) Act, 1986 or any court case pending or any other court order shall prevail.
- xxv. The SEIAA, TN may alter/amend the above conditions or stipulate any further condition in the interest of environment protection.
- xxvi. The SEIAA/SEAC or any Competent Authority may mutually add any further condition(s) on receiving reports from the project authority. The above conditions shall be monitored by the Regional Office of MCEP located at Chennai.
- xxvii. The SEIAA, TN may revoke or suspend the Environmental clearance, if implementation of any of the above conditions is not satisfactory.
- xxviii. The SEIAA, TN may cancel the environmental clearance granted to this project under the provisions of EIA Notification, 2006, if, at any stage of the validity of this environmental clearance, if it is found or if it comes to the knowledge of this SEIAA, TN that the project proponent has deliberately concealed and/or submitted false or misleading information or inadequate data for obtaining the environmental clearance.
- xxix. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and direct action under the provisions of the Environment (Protection) Act, 1986.
- xxx. The SEIAA-TN reserves the right to stipulate additional conditions if found necessary. The industry in a time bound manner shall implement these conditions.
- xxxi. The above conditions will be in addition to the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability Insurance Act, 1991, along with their amendments, and Minor Mineral Conservation & Development Rules, 2010 framed under MMR Act 1957, National Commission for protection of Child Right Rules, 2006 and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/Hon'ble High Court of Madras and any other Courts of Law relating to the subject matter.


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xviii. Any appeal against this environmental clearance shall lie with the Hon'ble National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.


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Copies:

1. The Additional Chief Secretary to Government, Environment & Forests Dept, Govt. of Tamil Nadu, Fort St. George, Chennai - 9.
2. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD Cum-Office Complex, East Arjan Nagar, New Delhi - 110 032.
3. The Member Secretary, Tamil Nadu Pollution Control Board, 26, Mount Satal, Guindy, Chennai - 600 032.
4. Monitoring Cell, I A Division, Ministry of Environment & Forests, Parivashan Bhawan, CGO Complex, New Delhi - 110 003.
5. The District Collector, Tiruvel District.
6. Stock File.