



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

To,

The General Works Manager  
 ASIAN PAINTS LIMITED SHRIPERUMUDUR  
 M/s. Asian Paints Limited,  
 Plot No.: E6, E7, F11, F12, F13, F6 Pt and F7 Pt,  
 SIPCOT Industrial Park, Vil. Pondur, Taluk Sriperumbudur, Dist.  
 Kanchipuram, TamilNadu -602105

**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 SIA/TN/IND2/21322/2016 dated 12 Dec 2017. The particulars of the environmental clearance granted to the project are as below.

- |  |  |
|--|--|
| 1. EC Identification No.                   | EC24B000TN147478   |
| 2. File No.                                | 5700/2016  |
| 3. Project Type                            | Expansion  |
| 4. Category                                | B  |
| 5. Project/Activity including Schedule No. | N/A  |
| 6. Name of Project                         | Proposed Expansion of Existing Paints and Water based Polymers Manufacturing industry in a notified Industrial area at SIPCOT Industrial Park, Pondur Village, Sriperumbudur Taluka, Kancheepuram District, Tamil Nadu |
| 7. Name of Company/Organization            | ASIAN PAINTS LIMITED<br>SHRIPERUMUDUR  |
| 8. Location of Project                     | Tamil Nadu   |
| 9. TOR Date                                | 07 Jul 2017  |

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

Date: 12/01/2024

(e-signed)  
 Thiru.Deepak S.Bilgi  
 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.*

*This is a computer generated cover page.*





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

**STATE LEVEL ENVIRONMENT IMPACT  
ASSESSMENT AUTHORITY-TAMILNADU**  
3rd Floor, Panagal Maaligai,  
No.1, Jeenis Road, Saidapet,  
Chennai-15.  
Phone No. 044-24359973  
Fax No. 044-24359975

**ENVIRONMENTAL CLEARANCE (EC)**

**Letter No. SEIAA-TN/F.No.5700/EC/5(h)/113/2021 dated:18.12.2023**

Sub: SEIAA-TN – Environmental Clearance – Proposed Expansion of Existing Paints and Water-based polymers manufacturing industry at Plot No. E6, E7, F6 pt, F7 pt, F11, F12 & F13, SIPCOT Industrial Park, Pondur, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu by M/s.Asian Paints Ltd., under Category B1 & Schedule Item No. 5(h) – “Integrated Paint Industry” of EIA Notification, 2006 as amended – Issued – Regarding.

- Ref: 1. Your application submitted Terms of Reference dated: 22.08.2016.
2. ToR issued Dated: Lr.No. SEIAA-TN/F.No. 5700/SEAC-LXXXV/5(h)/ToR-281/2017 dated: 07.07.2017.
3. Online Proposal No. SIA/TN/IND2/21322/2016, dated: 12.12.2017 For EC.
4. EIA report submitted: 18.12.2017.
5. Minutes of the 105<sup>th</sup> meeting of SEAC held on 23.03.2018.
6. Sub Committee Inspection dated: 07.04.2018.
7. Minutes of the 111<sup>th</sup> meeting of SEAC held on 15.05.2018.
8. Minutes of 335<sup>th</sup> meeting of SEIAA held on 31.12.2018.
9. Clarification From TNPCB dated: 06.05.2022.
10. Minutes of the 305<sup>th</sup> meeting of SEAC held on 23.08.2022.
11. Minutes of the 317<sup>th</sup> meeting of SEAC held on 06.10.2022.
12. Minutes of the 324<sup>th</sup> meeting of SEAC held on 21.10.2022
13. Minutes of the 381<sup>st</sup> meeting of SEAC held on 08.06.2023.
14. Minutes of the 404<sup>th</sup> meeting of SEAC held on 25.08.2023.

  
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15. Minutes of the 655<sup>th</sup> meeting of SEIAA held on 19.09.2023.

16. Proponent's Reply dated:11.12.2023.

17. Minutes of the 680<sup>th</sup> meeting of SEIAA held on 18.12.2023.

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This has reference to your application under reference 3<sup>rd</sup> cited, wherein you have submitted proposal seeking Environmental Clearance for the Proposed Expansion of Existing Paints and Water-based polymers manufacturing industry at Plot No. E6, E7, F6 pt, F7 pt, F11, F12 & F13, SIPCOT Industrial Park, Pondur, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu by M/s.Asian Paints Ltd., under category B1 & Schedule Item No. 5(h) – “Integrated Paint Industry” of EIA Notification, 2006 as amended.

S. No	Description	Details																								
1.	Name of the Project	Proposed Expansion of Existing Paints and Water based Polymers Manufacturing industry in a notified Industrial area at SIPCOT Industrial Park, Pondur Village, Sriperumbudur Taluka, Kancheepuram District, Tamil Nadu. By <b>M/s. Asian Paints Ltd.,</b>																								
2.	Location	Project site is located at Plot: E6, E7, F6 pt & F7 pt, F11, F12, F13, Sipcot Industrial Park, SriperumbudurTaluka, Kancheepuram District, Tamil Nadu.																								
3.	Type of Project	Asian Paints Limited proposes expanding manufacturing of Paints and water based polymer at SIPCOT Industrial Park at Pondur Village, Sriperumbudur Taluka, Kancheepuram District, Tamil Nadu. The proposed project is falls under Integrated Paint Industries of <b>5 (h)</b> , Category B as per EIA notification 2006																								
4.	Total Area	<div>The area break-up is as below:</div> <table><tr><th>S. No</th><th>Category</th><th>Existin g</th><th>%</th><th>Propo sed</th><th>%</th></tr><tr><td>1</td><td>Manufacturing (Paint and Polymer)</td><td>15220</td><td>12.2 %</td><td>15220</td><td>12.2 %</td></tr><tr><td>2</td><td>RM storage areas</td><td>5119</td><td>4.1%</td><td>5447</td><td>4.4%</td></tr><tr><td>3</td><td>FG storage areas</td><td>12085</td><td>9.7%</td><td>12085</td><td>9.7%</td></tr></table>	S. No	Category	Existin g	%	Propo sed	%	1	Manufacturing (Paint and Polymer)	15220	12.2 %	15220	12.2 %	2	RM storage areas	5119	4.1%	5447	4.4%	3	FG storage areas	12085	9.7%	12085	9.7%
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S. No	Description	Details																				
		4	ETP and STP	1073	0.9%	1073	0.9%															
		6	Other buildings (Engg. block, canteen, parking etc.)	3518	2.8%	3518	2.8%															
		7	RWH Tank	2303	1.8%	2303	1.8%															
		8	Utilities	3824	3.1%	3824	3.1%															
		9	Walkway around the buildings	10393	8.3%	10065	8.1%															
		10	Road area	39745	31.9 %	39745	31.9 %															
		11	Green Belt	31310	25%	31310	25%															
		*The total area of the proposed project including the green belt area maintained outside plant premises is 135950 sq.m. This is inclusive of 11360 sq.m (amounting to 8% of total plant area) of green belt area maintained outside the plant premises																				
5.	Cost of Project (INR)	INR 9.8 Crores																				
6.	Brief description of the project	<p>Asian Paints Limited is planning to increase the manufacturing capacity of Paints and Water based polymers.</p> <p><b>Plot Area:</b> 124590 sqm.</p> <p><b>Location:</b> Plot: E6, E7, F6 pt &amp; F7 pt, F11, F12, F13, Sipcot Industrial Park, Sriperumbudur Taluka, Kancheepuram District, Tamil Nadu.</p> <p><b>Products:</b></p> <table><tr><th>S. No</th><th>Products Name</th><th>Existing Capacity (KL/Annum)</th><th>New Addition, Capacity (KL/Annum)</th><th>Total proposed Capacity (KL/Annum)</th></tr><tr><td>1.</td><td>Paints</td><td>140000</td><td>60000</td><td>200000</td></tr><tr><td>2.</td><td>Water Based Polymers</td><td>39000</td><td>26000</td><td>65000</td></tr></table>						S. No	Products Name	Existing Capacity (KL/Annum)	New Addition, Capacity (KL/Annum)	Total proposed Capacity (KL/Annum)	1.	Paints	140000	60000	200000	2.	Water Based Polymers	39000	26000	65000
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1.	Paints	140000	60000	200000																		
2.	Water Based Polymers	39000	26000	65000																		

  
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S. No	Description	Details								
		Time of Completion: 5 Years								
7.	Raw Materials	S. No	Chemical	State	Means of Storage	Storage Capacity	Number of Storage Means (Nos.)			
							Existing	Proposed	Total	
		1.	Monomers	Liquids	SS Tanks	50 KL to 200 KL	13	2	15	
		2.	Petroleum class	Liquids	MS/SS Tanks	50 KL – 200 KL	6	2	8	
		3.	Additives	Liquid	SS Tanks	34 KL – 100 KL	14	0	14	
		4.	Extenders	Powder	SS Silos	180 to 358 cubic meter	22	5	27	
		5.	Pigments	Powder	Silos/Jumbo Bags	180 to 358 cubic meter	8	2	10	
		6.	Emulsion	Liquid	SS Tanks	75 KL – 150 KL	14	3	17	
8.	Details of Proposed Products	S. No	Products Name		Existing Capacity (KL/Annum)	New Addition, Capacity (KL/Annum)		Total proposed Capacity (KL/Annum)		
		1.	Paints		140000	60000		200000		
		2.	Water Based Polymers		39000	26000		65000		
9.	ToR details	ToR issued by SEIAA, Tamil Nadu vide letter no. SEIAA-TN/F-5700/SEAC- LXXXV/5(h)/TOR-281/2017 dated 07.07.2017 to seek environment clearance								

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S. No	Description	Details																																																								
10.	a) Water requirement	The total fresh water demand in existing unit is 450 KLD and proposed water demand will be 200 KLD. So after expansion total fresh water demand will be 650 KLD. The details of Water consumption:																																																								
		<table><tr><th rowspan="2">Sr. No.</th><th rowspan="2">Description</th><th colspan="3">Water Consumption</th></tr><tr><th>Existing (KLD)</th><th>Proposed (KLD)</th><th>Total (KLD)</th></tr><tr><td>1</td><td>Domestic</td><td>58</td><td>0</td><td>58</td></tr><tr><td>2</td><td>Primary RO</td><td>74</td><td>38</td><td>112</td></tr><tr><td>3</td><td>Boiler</td><td>59</td><td>30</td><td>89</td></tr><tr><td>4</td><td>Process</td><td>251</td><td>132</td><td>383</td></tr><tr><td>5</td><td>Washing</td><td>20</td><td>9</td><td>29</td></tr><tr><td>6</td><td>Cooling Tower</td><td>91</td><td>42</td><td>133</td></tr><tr><td></td><td>Total Water Consumption</td><td>553</td><td>250</td><td>803</td></tr><tr><td></td><td>Recycled water from primary RO, Recycling RO, Boiler &amp; MEE</td><td>104</td><td>50</td><td>153</td></tr><tr><td></td><td>Net Water Requirements</td><td>450</td><td>200</td><td>650</td></tr></table>				Sr. No.	Description	Water Consumption			Existing (KLD)	Proposed (KLD)	Total (KLD)	1	Domestic	58	0	58	2	Primary RO	74	38	112	3	Boiler	59	30	89	4	Process	251	132	383	5	Washing	20	9	29	6	Cooling Tower	91	42	133		Total Water Consumption	553	250	803		Recycled water from primary RO, Recycling RO, Boiler & MEE	104	50	153		Net Water Requirements	450	200	650
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	b) Source	Source of water supply is available from SIPCOT Industrial Park. Agreement letter with SIPCOT for water supply is obtained.																																																								
11.	Sewage / effluent generation	The details of Sewage/Effluent generation:																																																								
		<table><tr><th rowspan="2">Sl. No.</th><th rowspan="2">Description</th><th colspan="3">Waste water generation</th><th rowspan="2">Treatment &amp; Disposal Facility</th></tr><tr><th>Existing (KLD)</th><th>Proposed (KLD)</th><th>Total (KLD)</th></tr><tr><td>1</td><td>Domestic</td><td>52</td><td>0</td><td>52</td><td>Used for flushing and Gardening</td></tr><tr><td>2</td><td>Primary RO Reject</td><td>74</td><td>38</td><td>112</td><td>After reuse in cleaning 94KL to be fed into Recycling RO followed by MEE</td></tr></table>				Sl. No.	Description	Waste water generation			Treatment & Disposal Facility	Existing (KLD)	Proposed (KLD)	Total (KLD)	1	Domestic	52	0	52	Used for flushing and Gardening	2	Primary RO Reject	74	38	112	After reuse in cleaning 94KL to be fed into Recycling RO followed by MEE																																
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S. No	Description	Details							
		3	Boiler	2	1	3	To be reused in plant		
		4	Process	0	0	0	-		
		5	Washing	19	8	27	To ETP followed by RO & MEE		
		6	Cooling Tower	9	4	13	To Recycling RO followed by MEE		
			<b>Total Wastewater Generation</b>	<b>156</b>	<b>51</b>	<b>207</b>	Reuse: 58 KLD to Domestic use, 3 KLD boiler B/D for reuse Treatment: 52 KLD to STP 94 KLD to ETP & RO		
12.	Sewage/ Effluent treatment	<b>Plant</b>		<b>Existing</b>		<b>Proposed</b>		<b>Total</b>	
		STP		63 KLD		-		63 KLD	
		ETP		104 KLD		-		104 KLD	
13.	Sewage/ effluent Mode of disposal	<b>Existing Unit:</b> <ul style="list-style-type: none"><li>In existing unit, wastewater generated from the domestic use is treated in existing STP with capacity of 80 KLD and treated sewage is used for flushing and gardening.</li><li>Industrial wastewater like washing water is treated in ETP followed by RO &amp; MEE while Cooling tower blow down and primary RO reject water is directly sent to recycling RO and further to MEE.</li></ul> <b>After Expansion of Project:</b> <ul style="list-style-type: none"><li>After proposed expansion the wastewater generated from the domestic use and industrial area will be treated same as mentioned in existing unit</li></ul>							

  
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S. No	Description	Details			
14.	Quantity of Solid Waste generated per day (in Kgs), Mode of treatment and Disposal of Solid Waste	The details of Solid/Non-hazardous waste are given below:			
		S. No	Nature of Solid Waste	Quantity (T/Annum)	Mode of Disposal
		1	Paper Waste	610	Sold to Scrap Vendor
		2	Wooden waste	712	Sold to wood recycler
		3	Plastic waste (excluding the RM container)	250	Sold to TNPCB authorized recycler
		4	Metal Waste (excluding the RM container)	128	Sold to authorized Scrap Vendor
		5	Metal RM container	3969	Sold to Scrap Vendor
		6	Plastic RM container	22612	Sold to TNPCB authorized recycler
		7	Powder waste from rejected RM and process	113	Sold to Scrap Vendor
		8	Paper Bag	20	Sold to Scrap Vendor
		9	HDPE Bag (including jumbo bag)	113	Sold to TNPCB authorized recycler
		10	MS scrap	100	Sold to authorized Scrap Vendor
		11	SS scrap	10	Sold to authorized Scrap Vendor
		12	Garbage	20	Disposed to common municipal dumping yard through authorized vendor.

  
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S. No	Description	Details						
15.	Hazardous waste Management	The details of Hazardous waste generation, management and disposal are followings:						
Sl. No	Name of Process/Class /Part	Name of Hazardous waste	Category No.	Quantity (Existing)	Quantity (Proposed)	Total Quantity (Existing + Proposed)	Unit	Activities Authorized
1	Cleaning, emptying and maintenance of petroleum storage tanks including ships	Oil-Containing cargo residue, washing water and sludge	3.1	3.2	0.8	4	T/Annum	Generation, Collection, Storage, Disposal
2	Cleaning, emptying and maintenance of petroleum storage tanks including ships	Sludge & Filters contaminated with oil	3.3	1.6	0.4	2	T/Annum	Generation, Collection, Storage, Disposal
3	Industrial operations using mineral/synthetic oil as lubricant in hydraulic	Used/Spent Oil	5.1	10.4	2.6	13	T/Annum	Generation, Collection, Storage, Disposal

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S. No	Description	Details							
	systems								
4	Production and/or industrial use of paints, pigments, lacquers, varnishes, plastics & inks	Wastes and residues [Dried gelled water based paint, water based polymer & raw material] - Non-Recyclable	21.1	60.8	15.2	76	T/Ann um	Generation, Collection, Storage, Disposal	
5		Wastes and residues [Dried gelled water based paint, water based polymer & raw material] - Recyclable	21.1	16	4.0	20		Generation, Collection, Storage, Disposal	
6		Disposal of barrels/containers used for handling of Chemical containing residue arising	34.1	3.2	0.8	4	T/Ann um	Generation, Collection, Storage, Disposal	

  
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S. No	Description		Details						
		hazardous wastes	from decontamination						
7		Disposal of barrels/containers used for handling of hazardous wastes/chemicals	Disposal of barrels/containers used for handling of hazardous wastes/chemicals a. Waste Pigment containers	33.1	68	17.0	85	T/Ann um	Generation, Collection, Storage, Disposal
8			b. Waste raw material containers and liners (Recyclable)		1509.6	377.4	1887	T/Ann um	Generation, Collection, Storage, Disposal
9			b. Waste raw material containers and liners (non - Recyclable)		320	80.0	400	T/Ann um	Generation, Collection, Storage, Disposal

  
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S. No	Description		Details						
	10	Purification process of air and water	35.1 Flue gas cleaning residue	35.1	0.8	0.2	1	T/Ann um	Generation, Collection, Storage, Disposal
	11	Purification process of air and water	Spent ion exchange resin containing toxic metals	35.2	1.6	0.4	2	T/Ann um	Generation, Collection, Storage, Disposal
	12	Purification process of air and water	Chemical sludge from waste water treatment	35.3	89.44	22.4	111.8	T/Ann um	Generation, Collection, Storage, Disposal
	13	Purification process of air and water	Oil and grease skimming residues	35.4	0.8	0.2	1	T/Ann um	Generation, Collection, Storage, Disposal
	14	Purification process for organic compounds / solvents	Spent Carbon	36.2	1.6	0.4	2	T/Ann um	Generation, Collection, Storage, Disposal
16.	Power requirement		The details of power requirement is given in the table below:						
			Details	Capacity			Source		
				Existing	Proposed for expansion	Total post expansion			

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S. No	Description	Details																																																							
		Power-Requirement	2450 KVA	550 KVA	3000 KVA	TNEB																																																			
17.	Details of D.G. set with Capacity	<table><tr><th rowspan="2">Details</th><th colspan="3">Capacity</th><th rowspan="2">Source</th></tr><tr><th>Existing</th><th>Proposed for expansion</th><th>Total post expansion</th></tr><tr><td>Back up (DG)</td><td>750 KVA - 3 No's 1010 KVA - 1No 100 KVA - 1 No Total - 3360 KVA</td><td>1010 KVA-1 No</td><td>4370 KVA</td><td>DG</td></tr></table>					Details	Capacity			Source	Existing	Proposed for expansion	Total post expansion	Back up (DG)	750 KVA - 3 No's 1010 KVA - 1No 100 KVA - 1 No Total - 3360 KVA	1010 KVA-1 No	4370 KVA	DG																																						
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18.	Fuel requirement	<table><tr><th>Stack No.</th><th>Stack Attached to</th><th>Capacity</th><th>Fuel Used</th><th>Fuel Consumption (kg/hour)</th></tr><tr><td>1</td><td>DG -1</td><td>750 KVA</td><td>HSD</td><td>200</td></tr><tr><td>2</td><td>DG -2</td><td>750 KVA</td><td>HSD</td><td>200</td></tr><tr><td>3</td><td>DG -3</td><td>750 KVA</td><td>HSD</td><td>200</td></tr><tr><td>4</td><td>DG -4</td><td>1010 KVA</td><td>HSD</td><td>350</td></tr><tr><td>5</td><td>DG -5</td><td>100 KVA</td><td>HSD</td><td>30</td></tr><tr><td>6</td><td>New Proposed DG - 6</td><td>1010 KVA</td><td>HSD</td><td>350</td></tr><tr><td>7</td><td>Boiler – 1</td><td>600 kg/hr</td><td rowspan="3">HSD</td><td rowspan="3">71</td></tr><tr><td>8</td><td>Boiler – 2</td><td>600 kg/hr</td></tr><tr><td>9</td><td>boiler - 3</td><td>1250 kg/hr</td></tr><tr><td>10</td><td>New proposed Boiler</td><td>1250 kg/hr</td><td>HSD</td><td>71</td></tr></table> <p><b>Note:</b> Existing one 600 kg/hr boiler will be replaced with new boiler capacity of 1250 kg/hr.</p>					Stack No.	Stack Attached to	Capacity	Fuel Used	Fuel Consumption (kg/hour)	1	DG -1	750 KVA	HSD	200	2	DG -2	750 KVA	HSD	200	3	DG -3	750 KVA	HSD	200	4	DG -4	1010 KVA	HSD	350	5	DG -5	100 KVA	HSD	30	6	New Proposed DG - 6	1010 KVA	HSD	350	7	Boiler – 1	600 kg/hr	HSD	71	8	Boiler – 2	600 kg/hr	9	boiler - 3	1250 kg/hr	10	New proposed Boiler	1250 kg/hr	HSD	71
Stack No.	Stack Attached to	Capacity	Fuel Used	Fuel Consumption (kg/hour)																																																					
1	DG -1	750 KVA	HSD	200																																																					
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3	DG -3	750 KVA	HSD	200																																																					
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5	DG -5	100 KVA	HSD	30																																																					
6	New Proposed DG - 6	1010 KVA	HSD	350																																																					
7	Boiler – 1	600 kg/hr	HSD	71																																																					
8	Boiler – 2	600 kg/hr																																																							
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10	New proposed Boiler	1250 kg/hr	HSD	71																																																					

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S. No	Description	Details				
19.	Air Pollution Control Measures (Stack)	Stack No.	Stack Attached to	Capacity	Stack Height (m)	Stack Diameter (m)
		1	DG -1	750 KVA	16.5	0.21
		2	DG -2	750 KVA	16.5	0.21
		3	DG -3	750 KVA	16.5	0.21
		4	DG -4	1010 KVA	16.5	0.26
		5	DG -5	100 KVA	16.5	0.14
		6	New Proposed DG - 6	1010 KVA	16.5	0.26
		7	Boiler – 1	600 kg/hr	33.5	0.5
		8	Boiler – 2	600 kg/hr		
		9	boiler - 3	1250 kg/hr		
		10	New proposed Boiler	1250 kg/hr	32	0.5
20.	Provision for rain water harvesting	<p>On the completion of rainwater harvesting from the project area consisting of roof top, and green belt area, the total recharge potential of the project area would be as under:</p> <ul style="list-style-type: none"> <li>Roof top rainwater Harvesting = 10994.49 m<sup>3</sup>/annum</li> <li>Green belt area rainwater harvesting = 6236.952 m<sup>3</sup>/annum</li> <li><b>Total Harvesting Potential = 17231.442 m<sup>3</sup>/annum</b></li> </ul> <p>Proposed conservation of water and recharge to ground water by the project at the project site would improve ground water regime of the area and would contribute to positive groundwater environment.</p>				
21.	Details of man power	<p>Existing employee are 698 (347 Permanent and 351 Contractual). Additional during construction phase 40 more contractual labour will be employed.</p>				
22.	Details of Green Belt Area	<p>The greenbelt area is currently at 33% (as per the requirement) including the area that is being maintained outside the plant premises.</p> <p>Native tree species, palm trees, decorative species and other flowering</p>				

  
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S. No	Description	Details			
		species (trees, herbs, scrubs and creepers) have been planted across the green belt area.			
23.	Details of Parking Area	(Parking area is including with Engg block and canteen. Total area including Engg block, canteen, and parking is 3518 sq.m. )			
24.	EMP Cost (INR)	S. No	Head	Approx. Recurring cost per annum (Rs. In Lacs)	Basis for cost estimates
		1	Air pollution control	4.91	1) Cost of monitoring of Stacks : Rs 2000 per stack 2) Cost of monitoring of AAQM: Rs. 5000* 4 locations monthly
		2	Water pollution control	24.72	ETP Cost = Rs 164/KL (approx) (Includes cost incurred by chemical consumption, power and manpower)
		3	Noise Pollution monitoring	0.04	Cost of noise monitoring: Rs. 1000 per month.
		4	Solid and Hazardous waste management	27.84	1)Cost of Land fillable to TSDF: Rs. 1250/Ton 2) Cost of incineration : Rs. 25/Kg 3) Cost of Transportation Rs. 2500/5Ton
		5	Environment monitoring and management	8.15	The recurring cost would be incurred as cost of hiring consultants / third party for carrying out monitoring.

  
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S. No	Description	Details			
		6	License Fee	14.0	Renewal of Consents, CESS fee and TNPCB analytical charges
		7	Lab equipment calibration cost	0.25	Calibration of lab equipments through external agency
		8	Online data connectivity cost to TNPCB	0.6	VOC and effluent data connected online to TNPCB through external agency
		9	Green belt	21.00	
			<b>Total</b>	<b>101.51</b>	

25. The amount prescribed for Ecological remediation (Rs. 300 lakhs), natural resource augmentation (Rs. 300 lakhs), & community resource augmentation (Rs. 282 lakhs), totalling Rs. 882 lakhs.

**Remediation Plan for Environmental Attributes:**

Environment Component	Remedies	Cost
Air Environment	Installation of solar lights in n-number of houses in village development.	45,00,000
	Development and maintenance of OSR land.	45,00,000
Water environment	Construction / <b>rejuvenation of existing village water pond</b> in 6 villages of study area in consultation with irrigation department (Mambakkam - 1 no; Palnellur - 1 no; Ballelur - 5 no) Ponds: Pondur - 1 no; Araneri- 1 no.	1,50,00,000
	<b>Rain water harvesting pit</b> in viillages (Mambakkam - 5 nos; Palnellur - 5 nos; Ballelur - 5 nos).	45,00,000
Soil Environment	Provide organic fertilizers to Gram Panchayat to increase the soil fertility (Mambakkam, Palnellur and Ballelur).	15,00,000
<b>Grand Total</b>		<b>3,00,00,000</b>

  
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**Natural resource augmentation plan along with action plan:**

Environment Component	Natural Resource Augmentation	Cost
Air environment	Roof top solar system in minimum 2 houses per village (Mambakkam, Palnellur, Ballelur)	41,60,000
Water environment	Rejuvenation of water bodies	80,00,000
Land environment	Collection of Biodegradable waste and provision of <b>organic waste converter</b> (Mambakkam, Palnellur, Ballelur, Pondur, Araneri, vadekkal)	1,00,00,000
To construct a Blue Green centre at Siruseri twin lakes, Southern Chennai in creating a knowledge centre	Main structure	45,00,000
	Restrooms ( 4 units)	6,50,000
	Water treatment systems	4,50,000
	Fencing	3,80,000
	Landscaping	8,00,000
	Co-ordinator ( 1 year)	7,00,000
	Maintenance (1 year)	3,60,000
Grand Total		3,00,00,000

**Community resource development plan along with action plan:**

Environment Component	Community resource development	Cost
Socio-Economic environment	Construction of common toilets in 3 villages (10 toilets in each village) (Mambakkam, Pondur, Araneri, Balnellur, Selyanur, Palnellur)	70,00,000
	Improvement of need base local infrastructure of 3 villages in consultation with Gram Panchayat (Panchayat building in Mambakkam. Canal for wastewater management, Mambakkam, Community welfare building Palnellur, Community hall, Pondur)	47,60,000

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	Solar street lights in 6 villages of study area (Mambakkam, Pondur, Araneri, Balnellur, Selyanur, Palnellur)	35,00,000
	Providing ambulance facilities to primary health centre in 3 villages (Mambakkam, Pondur, Araneri)	51,00,000
To construct a Blue Green centre at IIT-M, Chennai in creating a Knowledge centre for the community		78,40,000
	Main structure	45,00,000
	Restrooms ( 4 units)	6,50,000
	Water treatment systems	4,50,000
	Fencing	3,80,000
	Landscaping	8,00,000
	Co-ordinator ( 1 year)	7,00,000
	Maintenance (1 year)	3,60,000
Grand Total		2,82,00,000

#### Affidavit

I, Mr.Sunil. authorized Signatory, representing M/s. Asian Paints Ltd., has proposed expansion of existing paints and water based polymers manufacturing industry at Plot: E6, E7, F6 pt & F7 pt, F11, F12, F13, SIPCOT Industrial Park, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu, hereby take oath and state as under in this affidavit:

- I. We hereby commit that the total water consumption for the project will be 803 KLD
- II. We are liable for the operation and maintenance of ETP and STP from the date of operation of the project and the site will be maintained as a ZLD facility
- III. All the generated Hazardous wastes (Containers and Containers, Containers and Container liners & Cotton waste will be stored in designated areas. All the Hazardous waste will be disposed to nearby TSDF as well authorized recyclers.
- IV. All mitigation measures will be followed for the flood management, Evacuation plan, Solid waste disposal and effluent treatment & disposal.
- V. Storm water drainage will be provided as open concrete channels, all along the road for ensuring proper collection of storm water and the same will be maintained

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properly. We confirm that the storm water drain would not carry any untreated (or) treated sewage / effluent.

- VI. No waste of any type will be disposed-off in any other way other than the approved one.
- VII. The greenbelt area is currently at 33% (as per the requirement) including the area that is being maintained outside the plant premises. Native tree species, palm trees, decorative species and other flowering species ( trees, herbs, scrubs and creepers) have been planted across the green belt area.
- VIII. Proposed EMP Budgetary allocation is given below:

S.No.	Head	Approx. Recurring cost per annum (Rs. In Lacs)	Basis for cost estimates
1	Air pollution control	4.91	1) Cost of monitoring of Stacks : Rs 2000 per stack 2) Cost of monitoring of AAQM: Rs. 5000* 4 locations monthly
2	Water pollution control	24.72	ETP Cost = Rs 164/KL (approx) (Includes cost incurred by chemical consumption, power and manpower)
3	Noise Pollution monitoring	0.04	Cost of noise monitoring: Rs. 1000 per month.
4	Solid and Hazardous waste management	27.84	1)Cost of Land fillable to TSDF: Rs. 1250/Ton 2) Cost of incineration : Rs. 25/Kg 3) Cost of Transportation Rs. 2500/5Ton
5	Environment monitoring and management	8.15	The recurring cost would be incurred as cost of hiring consultants / third party for carrying out monitoring.
6	License Fee	14.0	Renewal of Consents, CESS fee and TNPCB analytical charges
7	Lab equipment	0.25	Calibration of lab equipments through

  
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S.No.	Head	Approx. Recurring cost per annum (Rs. In Laacs)	Basis for cost estimates
	calibration cost		external agency
8	Online data connectivity cost to TNPCB	0.6	VOC and effluent data connected online to TNPCB through external agency
9	Green belt	21.00	
	<b>Total</b>	<b>101.51</b>	

**Appraisal by SEAC:-**

**Proposed Expansion of Existing Paints and Water-based polymers manufacturing industry at Plot No. E6, E7, F6 pt, F7 pt, F11, F12 & F13, SIPCOT Industrial Park, Pondur, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu by M/s. Asian Paints Limited – Category “B1”-5(h) – Integrated Paint Industries –For Environmental Clearance under Violation- (SIA/TN/IND2/21322/2016, dated 12.12.2017.**

The proposal was earlier placed in the 381<sup>st</sup> SEAC meeting held on 08.06.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

**The SEAC noted the following:**

The Proponent, M/s. Asian Paints Limited, has applied for Terms of Reference for the proposed expansion of paints and water-based polymers manufacturing in their existing facility at Plot No. E6, E7, F6 pt, F7 pt, F11, F12 & F13, SIPCOT Industrial Park, Pondur, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu on 22.08.2016.

In response to the application, Terms of Reference (ToR) was issued vide Lr.No. SEIAA-TN/F.No. 5700/SEAC- LXXXV/5(h)/ToR – 281/2017 dated: 07.07.2017. Public hearing was exempted as per section 7(i), (iii) stage (3), Para (i)(b) of EIA Notification, 2006.

Based on the ToR issued, the proponent prepared the EIA report and submitted the same to SEIAA on 18.12.2017. On scrutiny of the EIA report, certain additional details were called vide office letter dated: 03.01.2018. The proponent has furnished the detail in the letter dated: 25.01.2018 received by SEIAA on 30.01.2018.

The EIA report was placed in the 105<sup>th</sup> meeting of the SEAC held on 23.03.2018.

  
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The salient features of the project are as follows:

1. The production of paint will increase from 140000 KL/annum to 200000 KL/annum and water-based polymer will increase from 39000 KL/annum to 65000 KL/annum.
2. The ToR for expansion has been obtained on 07.07.2017. The industry operation was started in 2005.
3. The existing water requirement is 450 KLD and will be increased to 650 KLD.
4. No additional land is required.
5. The industry produces effluents which are treated and utilized within the industry premises under ZLD system. Industry produces a variety of hazardous wastes. Proponent says that they are managed as per regulations. The industry also emits air pollutants and noise is also appearing to be a problem.

In view of the fact that the industry has potential to cause pollution in the form of gaseous emission, effluents, hazardous waste and noise, the SEAC decided to make an on-the-spot inspection of the industrial operation to learn about the present status of compliances of Environmental pollution control and based on the inspection, SEAC will decide the further course of action.

As per the order Lr.No.SEAC-TN/F.No. 5700/2016 dated: 23.03.2018 of Member Secretary, SEAC, a Technical Team comprising of the SEAC Members was constituted to inspect and study the field conditions in the Proposed capacity expansion of existing paint and water based polymers manufacturing of m/s. Asian Paints limited in a notified industrial area at plot no. E6, E7, F11, F12, F13, F6 PT & F7 pt, SIPCOT Industrial Park, Pondur, Sriperumbudur Taluk, Kancheepuram District, Tamilnadu. Accordingly, the technical team conducted the inspection on 07.04.2018 and submitted the report to SEAC on 10.05.2018.

The inspection report was placed before the 111<sup>st</sup> SEAC meeting held on 15.05.2018. A summary of the review of the actual field inspection. The following are the salient features of the report:

1. The technical team noted that the water requirement of the project will increase from 450KLD to 650KLD post expansion. When enquired about the source of this additional water requirement, the proponent team informed about the approval sought from SIPCOT for the supply of this additional water. A copy of the letter submitted to SIPCOT was sought in the additional details that are to be submitted to SEAC post the

  
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inspection. Out of 450KLD now used, 250 KLD is drawn from borewells which is being regularized.

2. The technical team noted that the existing ETP (104 KLD) and STP (63 KLD) would be adequate in handling the scenario post expansion. Industrial Effluent generated from the process is taken to ETP where after biological treatment the treated water is fed into Reverse Osmosis systems and then into MEE & ATFD system to obtain salt from the system. This facility is a zero liquid discharge facility. The increase in effluent post expansion will be treated in existing ETP without any modification.
3. The process of paint manufacturing and water-based polymer manufacturing was detailed by the proponent. The sources of air pollution (powder dust & VOCs), effluent generation (Industrial Effluent) and hazardous waste generation were explained through the process flow diagram. Dust collectors for controlling the dust emissions and Scrubber system for controlling the VOC emissions have been installed in the industry. Post expansion, it was proposed that dust collection & scrubbing system capacity will be adequately increased. The VOC concentration from two scrubbing system is connected to the TNPCB – CARE Air Centre. Technical team asked the proponent to submit the details of efficiency improvement of the scrubbing system in the additional details. The details of the capacity augmentation for scrubbers were also sought.
4. Technical team asked to submit the MSDS of any two powder raw materials handled in bags causing powder emissions in the area and the ratio of powder raw material handled in tankers to the powder raw material handled in bags as additional details.
5. Technical team asked the environmental monitoring reports of boiler stack and ambient air quality as additional details.
6. Technical team asked the proponent to submit the characteristics of input effluent and output treated water as additional details.
7. Domestic sewage generated in the facility is treated in a STP which is already available. As there will be no increase in manpower post-expansion, no increase in sewage generation is expected and existing STP would suffice.
8. The hazardous waste generated at present are of 14 categories. The hazardous wastes are sent to GEPIL for pre-processing, to TNWML for landfilling/incineration and to

  
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authorized recyclers for recycling. Increase in hazardous waste is expected after expansion, and proponent confirmed the same. Post expansion also, the hazardous wastes will be sent to GEPIL for pre-processing, to TNWML for landfilling/incineration and authorized recyclers for recycling. Quantity wise, some are quantified in tonnes/annum and some in barrels. The present hazardous wastes 189.44 Tonnes/annum will increase to 236.84 tonnes/annum. The wastes in barrels will be handed over to authorized recyclers.

9. Technical team asked the proponent to submit the following documents with respect to hazardous waste management.
  - 1.9.1 MoU signed with GEPIL and TNWML.
  - 1.9.2 Latest Hazardous Waste Authorization obtained from TNPCB.
10. Technical team noted that the green belt area in the plant is 31310 sq.m which constitutes to 25% of the total plot area (124590 sq.m). The proponent was asked to increase the green belt area from 25% to 33% as per the requirement. The proponent informed the technical team that when the plant was started in 2005, the consent to establish mandated to maintain 25% green belt and since then the plant is complying to the same. Increasing the green belt inside the factory is not possible as no vacant land available in the factory. Proponent confirmed that additional 8% green belt area (10000 Sq.m) will be developed outside the factory, in the road median of SIPCOT road after obtaining due permissions from SIPCOT. Technical team asked the project proponent to submit the plan for green belt development as additional details.
11. Technical team reviewed the species of trees present inside the factory and suggested to eliminate few invasive species and plant more native species.
12. Technical team enquired about the ground water quality and asked the proponent to submit the ground water quality report.
13. Technical team asked about the VOC concentration in the product during application and asked to submit the same as additional details.
14. Technical team reviewed the RWH system inside the factory and the proponent confirmed that already projects are in progress for recharging the ground water with the run off generated from roof top of buildings. The plan for future is to have 30 recharge structures.

  
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15. Technical team reviewed upon the CSR projects implemented by the factory in the nearby communities. The proponent is working in 3 major areas – Health & Hygiene, Education and Environment (Water).
16. Technical team asked the proponent to submit the details of CSR projects where the infrastructural support to village schools is done. Proponent confirmed that they have adopted government schools and provided infrastructural support like toilets, benches, painting, sports equipment, smart classrooms etc.

The technical team has made the following recommendations:

1. Green belt area to be maintained as 33% area of total plot area. Proponent to develop additional required green belt area (10000 Sq.m) outside the factory (SIPCOT land) as committed. This should be completed and evidence shown before getting EC.
2. The proponent should take steps to increase the capacity of the dust collectors and scrubbers as committed.
3. The proponent must manage the additional hazardous wastes as per the regulatory norms as committed.
4. Regarding the CSR, the proponent should have spent at least Rs. 1.2 Crores every year on CSR activities. There is a deficit of Rs. 78 lakhs for the year 2013-2014 and a deficit of Rs. 11 Lakhs for the year 2014-15, regarding CSR fund utilization. Adding Rs. 78 Lakhs + Rs. 11 lakhs, amounts to Rs. 89 Lakhs. This amount of Rs. 89 Lakhs should be spent on CSR before getting EC and submit the receipt to SEIAA-TN. In future, 2 % of the profit for this unit or an amount of Rs. 1.2 Crores, whichever is higher should be spent on CSR activities annually.
5. The Technical Team recommends to SEAC the proposal of M/s. Asian Paints Limited for the proposed capacity expansion of existing paint and water based polymers manufacturing at Plot No. E6, E7, F6 pt, F7 pt, F11, F12 & F13, SIPCOT Industrial Park, Pondur, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu for recommendation for the grant of EC, subject to the conditions that the proponent fulfils the commitment made by him in the revised report and the proponent fulfils the condition imposed in S.no.1-4 in addition to the normal conditions.

The SEAC accepted the recommendations of the inspection team. In the case of CSR, the following will be the schedule for utilization of the CSR funds:

  
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- i. The amount of Rs. 89 Lakhs should be spent out of the previous year allocation. Out of this, Rs. 20 lakhs should be contributed for "Anamalai Tiger Conservation Foundation" and the DD favouring "The Executive director, Anamalai Tiger Conservation Foundation, Pollachi", for the purposes of Eco tourism activities including purchase of necessary vehicles to carry the visitors and submit the receipt, before getting EC from SEIAA.
- ii. The remaining RS. 69 Lakhs should be contributed in the form of DD favoring Environmental Management Authority of Tamil Nadu (EMAT), Department of Environment for the purpose of planting avenue tree saplings in Chennai and proof submitted to SEIAA-TN before getting CTO from TNPCB.
- iii. For the future years, 2 % of the profit for this unit or an amount of Rs. 1.2 Crores, whichever is higher should be spent on CSR activities annually.

The SEAC decided to recommend the proposal to SEIAA for grant of EC for the proposed capacity expansion of existing paint and water-based polymers manufacturing of m/s. Asian Paints Limited in a notified industrial area at plot no. E6, E7, F11, F12, F13, F6 PT & F7 pt, SIPCOT Industrial Park, Pondur, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu subject to the conditions already stipulated in the minutes in addition to the normal conditions.

Subsequently, it was placed in 529<sup>th</sup> SEIAA meeting held on 05.07.2022 and after detailed discussion, the Authority decided to refer back the proposal to SEAC. The Authority noted that,

Terms of Reference (ToR) was issued to M/s. Asian Paints Limited, for the proposed expansion of paints and water-based polymers manufacturing in their existing facility at Plot No. E6, E7, F6 pt, F7 pt, F11, F12 & F13, SIPCOT Industrial Park, Pondur, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu vide Lr.No. SEIAA-TN/F.No. 5700/SEAC-LXXXV/5(h)/ToR – 281/2017 dated: 07.07.2017. Public hearing was exempted as per section 7(i), (iii) stage (3), Para (i)(b) of EIA Notification, 2006, and request to submit the EIA/EMP report to SEIAA for grant of Environment Clearance.

Based on the ToR issued, the proponent prepared the EIA report and submitted the same to SEIAA on 18.12.2017. SEAC vide minutes of 111<sup>th</sup> meeting of SEAC dated

  
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15.05.2018 has furnished its recommendation to the Authority for grant of Environmental Clearance under B1 Category subject to the conditions stated therein.

Meanwhile a complaint was received from one Thiru.R.GokulRaj, Thiruvallur against the unit on 17.05.2018 stating that **“the industry had been operating without EC from 2009 and it is a case of violation. Therefore, consider our attached complaint and delist the project and also initiate appropriate prosecution against the industry operation of the plant without environmental clearance”**.

The proposal was placed in the 335<sup>th</sup> meeting of SEIAA held on 31.12.2018. The Authority decided to obtain the necessary clarification from Tamil Nadu Pollution Control Board, regarding the above said complaint stated above. The above minute was communicated to TNPCB and the proponent vide this office letter dated: 22.01.2019. Reply has been received from TNPCB vide letter dated 06.05.2022 enclosing the following O.M.

**MoEF&CC O.M. No.F.No.IA-J-11013/103/2021-IA-II(I) (E169446) dated: 21.03.2022**

“The Ministry is in receipt of requests for clarification with regard to the applicability of EIA Notification, 2006 for industries which are involved in manufacturing of paints along with manufacturing of ingredients.

2. Integrated paint industries are covered under schedule 5(h) of the EIA Notification 2006 and require prior EC. The EIA technical guidance manual of ministry mentions that in most cases of paint manufacturing industries, the manufacturing facilities purchase the raw materials and then formulate or blend rather than react to produce a finished product. For the purpose of EIA notification 2006 the said guidance manual defines the integrated paint industry as an industry, which is involved in not only formulation (physical mixing of ingredients) of paints, but also in manufacturing of ingredients such as resins lacquers, varnishes etc.

In view of the above, it is clarified that any paint industry which is involved in manufacturing of ingredients such as resins lacquers, varnishes etc besides formulation (physical mixing of ingredients) of paints shall require prior EC as per schedule 5(h) of the EIA Notification, 2006 as amended from time to time. It is also clarified that the ingredients are not restricted to resins lacquers, varnishes but it may also include any ingredient such as polymers/co-polymers etc, including water based polymer which are used in the manufacturing of paints.

  
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After detailed discussions the Authority decided to refer back the proposal to SEAC TN along with the TNPCB reply & O.M dated: 21.03.2022.

Again, this proposal was placed for reappraisal in the 305<sup>th</sup> meeting of SEAC held on 23.08.2022. The project proponent made a request vide email dated: 20.8.2022 stating their inability to attend the meeting. Hence the SEAC deferred the proposal. Thereafter, the proposal was placed for appraisal in the 317<sup>th</sup> meeting of SEAC held on 06.10.2022 and during the presentation, the PP requested time to produce certain additional details.

**Based on the receipt of the Proponent's reply, the proposal was placed again in the 324<sup>th</sup> meeting of SEAC held on 21.10.2022. During the meeting the PP stated the following.**

*"At the outset, we thank you for giving us your valuable time at captioned meeting on 21<sup>st</sup> October 2022 and granting us an opportunity of making our written submissions as set out below.*

*1) Asian Paints Limited ("APL") has been present in India for 75+ years and has been operating on PAN India basis with manufacturing facilities spread across length and breadth of country. Compliance of law is and has been always at core of APL. Additionally, APL is committed to protecting environment with an intent to reduce environmental footprint by adhering to the highest operational standard. APL factories follow stringent environmental standards resulting in granting of ISO 14001 certification for environment management systems.*

*2) As submitted by APL to your good offices on 21<sup>st</sup> October 2022 and in our various previous correspondence, set out below in a nutshell are the facts for your kind consideration:*

- i. APL operates a Paint manufacturing plant at Sriperumbudur, Tamil Nadu ("SRIP Plant"). As per the provisions of the Air (Prevention and Control of Pollution) Act, 1981 ("Air Act") and the Water (Prevention and Control of Pollution) Act, 1981 (Water Act). APL obtained Consent to Establish (CTE) from Tamil Nadu Pollution Control Board (TNPCB) on 29th October 2003 to set up its SRIP Plant APL also obtained the Consent to Operate (CTO) on 6<sup>th</sup> January 2005 for SRIP Plant*

  
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- ii. In 2006, when production of water-based polymers was planned, APL approached Tamil Nadu Industrial Guidance and Export Promotion Bureau for single window clearance. Reportedly, non-EIA resolution was passed by TNPCB on 07<sup>th</sup> September 2006. On 11<sup>th</sup> September 2006, CTES for production of 1,00,000 KL/Annum of water-based Paints and 3,250 KL/month of water-based polymers for SRIP Plant were obtained from TNPCB.
- iii. The Ministry of Environment and Forest ("MOEF") issued EIA Notification 2006 on 14<sup>th</sup> September 2006 ("EIA Notification 2006"). Clause 4 of the EIA Notification 2006 mandates that all projects and activities falling under Category B of the Notification should obtain EC from State Level Environment Impact Assessment Authority ("SEIAA"), "Integrated Paint Industry" is classified as a Category B project in Clause 5 (h) of the EIA Notification 2006, wherein prior EC must be obtained from SEIAA, however "Integrated Paint Industry" was not defined in the EIA Notification 2006.
- iv. APL obtained CTO renewals between 2006 and 2009. In 2009, APL obtained CTOES from TNPCB for increasing the production capacity of the water-based paints from 1,00,000 KL/annum to 1,40,000 KL/annum at the SRIP Plant. After 2009, subsequent renewals of CTO were obtained from TNPCB till 2019 and all conditions in CTO were duly complied by SRIP Plant. SRIP plant had also paid for CTO renewal application (Air and Water) till 2024.
- v. It was only in December 2010, MOEF issued the Technical EIA Guidance Manual ("**2010 Guidance Manual**") which defined "Integrated Paint Industry" as "an industry, which is involved in not only formulation (physical mixing of ingredients) of paints, but also in manufacturing of ingredients such as resins, lacquers varnishes, etc."
- vi. In 2016, SRIP Plant proposed a further expansion to increase its production capacity of the (i) water-based paint from 1,40,000 Ki/annum to 2,00,000 KL/annum, and (ii) water-based polymers from 39,000 KL/annum to 65,000 KL/annum. ("**Proposed Expansion**")
- vii. Definition of Integrated Paint Industry in the 2010 Guidance Manual did not list water-based polymer specifically as an ingredient. However, out of

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abundant caution and to be fully compliant with the law, rules and regulations. APL on 22nd August 2016 applied to SEIAA for the Terms of Reference (TOR") and EC for the Proposed Expansion. Consequently, on 7 July 2017, SEIAA granted TOR to APL.

- viii. We humbly submit that, though the 2010 Guidance Manual defined Integrated Paint Industry, there was no clarity as to whether the activities carried out at SRIP Plant prior to 2016 would attract EIA Notification 2006 and in view of such ambiguity TNPCB vide its letter dated 9 September 2021 sought clarification from MOEF on whether the activities of SRIP Plant would attract EIA Notification 2006.
- ix. On 20 September 2021, MOEF issued an Order and directed all state pollution control boards:
- a) to ascertain applicability of EIA Notification at the time of grant or renewal of CTE
  - b) to ensure that the project proponent possesses a valid prior EC in terms of the EIA Notification, if applicable at the time of grant/renewal of CTO and no CTO would be granted or renewed unless EC, if applicable has been obtained.
- x. Consequently, Central Pollution Control Board (CPCB) responded vide its letter dated 8 October 2021 to TNPCB and informed that all projects of integrated paint industries have been placed under category B in the Schedule (list of projects or activities requiring prior environmental clearance of the EIA 2006), CPCB further quoted Paragraph 4 (m) of the EIA Notification 2006 in its response letter dated 8 October 2021. It was only upon receipt of above response from CPCB on 8 October 2021 that TNPCB vide its letter dated 9 December 2021, directed APL to seek clarification from MOEF on the applicability of the EC for the activities at SRIP Plant.
- xi. Eventually, MOEF issued an office memorandum dated, 21 March 2022 ("Office Memorandum 21" March 2022) clarifying that Integrated paint industries are covered under schedule 5th of the EIA Notification 2006 and require prior Environmental Clearance. The EIA Technical Guidance Manual

  
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of Ministry mentions that in most cases of paint manufacturing industries, the manufacturing facilities purchase the raw materials and then formulate or blend rather than react to produce a finished product. For the purposes of EIA Notification 2006, the Guidance Manual defines the integrated paint industry as an industry which is involved in not only formulation (physical auxing or ingredients) of paints but also manufacturing of ingredients such as retins, lacquers, varnishes etc."

In furtherance to above, the Office Memorandum 21 March 2022 categorically stated that "In view of above it is clarified that any paint industry which is involved in manufacturing of ingredients such as resins, lacquers, varnishes, etc. besides formulations (physical mixing of ingredients) of paints shall require prior EC as per schedule 5th) of the EIA Notification, 2006 as amended from time to time. It is also clarified that the ingredient such as polymers/co-polymers etc including water-based polymer, which are used in the manufacturing of paints"

3) To summarize the position, APL humbly submits before your good offices as under:

- I. Since inception, SRIP Plant has been complying with all legal, statutory and regulatory compliances and requirements including but not limited to CTE and CTO. SRIP Plant over the years have bagged several prestigious awards and recognition for its steps taken towards sustainability and commitment of protection of environment.
- II. It is only post the Office Memorandum 21" March 2022 issued by MOEF that there was clarity amongst the authorities with respect to whether EC was required for manufacturing water-based polymers or co-polymer. Despite there being no clarity and in view of ambiguity as to whether the activities carried out at SRIP Plant would attract EIA Notification 2006, APL out of abundant caution and so as not to be non-compliant of law, statutory and regulatory requirements, applied to SEIAA for TOR and EC on 22 August 2016. This fact enumerates APL's bonafide to be compliant with the law, rules and regulations. APL had no intent to breach or bypass the law of land and/or any

  
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*omission on its part. Since there has been ambiguity on the applicability of the EIA Notification 2006 to the activities carried out at the SRIP Plant, APL was always under bonafide belief that EC was not applicable to their SRIP Plant and APL requests your good offices to kindly consider the same."*

SEAC carefully examined the submissions of the PP along with the documents made available and the presentation made by the PP during the meeting. SEAC noted the following.

- i. The unit has been functioning since 2003 as a water-based formulation unit with the capacity of 1,00,000KLPA.
- ii. In the year 2006, it added a water-based polymer manufacturing activity with the capacity of 3250KLPM or 39,000 KLPA.
- iii. As per EIA Notification, S.O. 60 (E), dated: 27.01.1994, the PP should have obtained EC before installing capacity to manufacture water-based polymer which is a basic raw material for the paint industry. As per the Schedule – I, "integrated paint complex including manufacture of resins and basic raw materials required in the manufacture of paints will require EC".
- iv. The unit, therefore, is in violation of the Environment (Protection) Act 1986, read with relevant Notifications since 2006 and the proposal has to be treated as a 'violation' case.
- v. The PP has applied prior to the window period and therefore has to follow the procedure prescribed by the MoEF in SO No. 804(E) dated 14.03.2017.
- vi. The PP has already submitted the EIA report based on ToR issued by SEIAA.

SEAC, in the light of the above facts decided to recommend the following course of action.

- i. The PP shall furnish a supplementary EIA Report updating the data wherever required.
- ii. In addition, the EIA coordinator shall include 'assessment of Ecological damage, remediation plan and natural & community resource augmentation plan' as an independent chapter in the supplementary Environment Impact Assessment report after collection and analysis of data for the assessment of ecological damage, preparation of remediation plan and natural & community resource augmentation plan to be done by an Environmental laboratory duly

  
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notified under the Environment (Protection) Act, 1986, accredited by NABET or a laboratory of council of Scientific and Industrial research Institutions working in the field of Environment.

As the Proponent has submitted the details as sought by the Committee vide letter dated:12.05.2023, the proposal was placed in the 381<sup>st</sup> SEAC meeting held on 08.06.2023.

Based on the presentation made and documents furnished by the project proponent, SEAC decided to make on-the spot site-inspection by the sub-committee constituted by SEAC to assess the present status of the project and environmental settings as the proposal falls under violation category. **Further the sub- committee will assess the ecological damage cost and also to check the Remedial Plan & Community Augmentation Plan submitted by the Project Proponent during the site inspection.**

The PP shall furnish the following documents during the site inspection by the sub-committee:

1. As per EIA Notification, S.O. 60 (E), dated: 27.01.1994, the PP should have obtained EC before installing capacity to manufacture water-based polymer which is a basic raw material for the paint industry. Hence, The EIA coordinator shall revise 'assessment of Ecological damage, remediation plan and natural & community resource augmentation plan' in the supplementary Environment Impact Assessment report considering the period of violation from the date of 27.01.1994 to till date.
2. In addition, The PP shall furnish proof for not considering the damage cost on the Noise Environment, water Environment, OHS, waste management, EMP. Also, the PP shall ensure that all the readings during the violation period (to till date) were within the consent limits.
3. The EIA Coordinator shall submit an affidavit stating that there are no significant health problems on skin, respiratory and digestive tracts and diabetes after going through the health records of workers maintained by the PP.
4. The PP shall explore the possibilities of packaging odd quantities of paint cans a fully automatic process instead of manual operations to eliminate human exposure.
5. The PP shall ensure the handling capacity of Hazardous wastes.
6. The Project Proponent shall furnish the CER in the format prescribed by the SEAC.

  
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7. The PP shall furnish the cost of Project Cost for the project during the site inspection with the relevant documents.

On the receipt of the sub-committee's report, further deliberation will be carried out. In the meanwhile, SEAC also decided to ask SEIAA to move the Government to initiate credible action under Sec. 19 of the Environment Act.

The Sub Committee report has placed in 404<sup>th</sup> SEAC meeting held on 25.08.2023 and the same is as follows.

#### On-site Inspection – Observations

One of the striking features at APL is the efforts made over the years in enhancing the green cover and conserving the biodiversity within the plant premises. The following table provides a glimpse of tree coverage – area and numbers – at APL, Sriperumbudur.

	Area (Sq.m)	Trees (Number)
Srivanam 1	1656	1380
Srivanam 2	1752	2123
Urban Forest	2340	1709
Kurungadu	1208	1300

#### Compliance of SEAC Stipulations

The project proponent has been asked to furnish documental evidence to establish fulfilment of stipulations highlighted by SEAC in its 381st Meeting (outlined in Section 2.0 above). The compliance of the project proponent to these stipulations is discussed here in this section.

1	<p>The PP shall furnish proof for Noise: not considering the damage cost on the Noise Environment, Water Environment, OHS, Waste Management, EMP. Also the PP shall ensure that all the readings during the violation period (to till date) were within the consent limits.</p> <p>Water:</p> <p>SAP records of Process Water Consumption in polymer block were shown as evidence and readings are found complying to limits.</p> <p>OHS:</p> <p>SAP records of the Cost spent in terms of Safety, PPE &amp; Safety training etc. were made available for</p>	<p>Noise:</p> <p>TNPCB Reports &amp; Monitoring conducted by 3rd party External vendor was made available and the readings are within the consent limits.</p>
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		<p>reference. Random sampling of data for workplace monitoring was done to check the authenticity of the data. All the requirements have been complied.</p> <p>Waste Management:</p> <p>HW: Data was made available in pertaining to Quantum of HW generated, Mode of disposal and Vendor to whom it was disposed. All the consent limits have been complied.</p> <p>Soft copy &amp; Hard copies of Form 4(Hazardous Waste Annual Returns, submitted to TNPCB on annual basis) were made available for reference and verification.</p>
2	<p>The EIA Coordinator shall submit an affidavit stating that there are no significant health problems on skin, respiratory and digestive tracts, and diabetes after going through the health records of workers maintained by the PP.</p>	<p>Data pertaining to health reports of the employees were collated and shared with the consultants. Kadam Consultants (EIA coordinator) has submitted the health affidavit. No significant health problems were found on skin, respiratory and digestive tracts. (See Annexure – I)</p>
3	<p>The PP shall explore the possibilities of packaging odd quantities of paint cans a fully automatic process instead of manual operations to eliminate human exposure.</p>	<p>Paint is transferred through a closed loop piped system from the mixer to the packing hopper. Paint is dispensed automatically from the hopper to the pails without any manual intervention. The filled pail is moved through a conveyer automatically and palletized. (See Annexure – II)</p>
4	<p>The PP shall ensure the handling capacity of Hazardous Wastes.</p>	<p>The following documents were made available. The storage capacity of GEPIL site is 1000 MT. On an average, Asian Paints disposed 60 MT annually, i.e., 5 MT on a monthly basis. GEPIL has sufficient capacity to cater to Asian Paints disposal.</p>

  
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5	The Project Proponent shall furnish the CER in the format prescribed by the SEAC.	CER budget has been calculated for; Water based polymer capacity installation (Rs. 50 lakhs – 2% of past expansion cost of Rs. 25 crores) – 50 Lacs Proposed Expansion (Rs. 9.8 lakhs) – 9.8 Lacs Total CER proposed – 59.8 lacs
6	The PP shall furnish the cost of project cost for the project during the site inspection with the relevant documents.	CA Certificate for project Cost of Water Based polymer Capacity Installation was available for verification. (Certificate Ref. No: DSK/AP/02/2023-24) – 25 Crores Project Cost Break-up for future expansion for water-based polymer and water-based paint was made available – 9.8 Crores

#### Damage Assessment

The damage assessment for the violation period has been carried out, (a) as per the model calculations by the EIA coordinator (M/s Kadam Consultants), and (b) using CPCB guidelines. The two estimates are presented below:

#### Damage Assessment as per the Model Calculations by the EIA Coordinator

S.no	Description	Ecological Damage Cost	Remarks
1	Impact on Land Environment	₹ 10,82,500	Damage cost incurred due to shortage to meet the requirements of adequate number of trees (1500 per hectare of greenbelt)
2	Impact on air environment	₹ 5,10,04,624	Damage cost incurring due to emission of PM10, PM2.5, SOx & NOx to the environment.
3	Impact on noise environment	Not Applicable	Noise levels have not exceeded the CPCB limits. Hence damage costs are not applicable.

  
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4	Impact on water environment	Not Applicable	The cost of unauthorized water withdrawal has not been considered in the damage calculation since an equivalent amount has already been paid to SIPCOT. Hence damage costs are not applicable.
5	Impact on OHS	Not Applicable	An amount of Rs 8.30 crores has been spent on safety measures, mock drills, PLI, PPEs and health checkup of workers. Hence there has been no saving on account of relevant OHS standards not being adhered to. Hence damage costs are not applicable.
6	Impact from waste management	Not Applicable	Waste has been adequately disposed in compliance with the statutes. Thus, no cost has been saved by improperly handling the waste. Hence damage costs are not applicable.
7	Inadequate cost spent on EMP	Not Applicable	An Amount of Rs 34.10 crores has been spent on EMP. Thus, there is no cost saved because of inadequate spent. Hence damage costs are not applicable.

The total damage cost as calculated by the EIA coordinator is **INR ₹ 5,20,87,124.**

#### **Damage Assessment as per the CPCB Guidelines**

The assessment is based on the report of the CPCB In-House Committee on Methodology for Assessing Env. Compensation and Action Plan to Utilize the Fund, Published by CPCB, July 2019.

The environmental compensation shall be based on following formula

$$EC = PI \times N \times R \times S \times LF$$

Where,

EC is Environmental Compensation in INR PI=Pollution index of industrial sector

N=Numbers of days of violation took place R=A factor in Rupees for EC

S=Factor for scale of operation LF=Location Factor

  
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- PI: PI has been considered as 70 because APL, Sriperumbudur falls under “Red” Category as recommended in the CPCB guidelines. Considering the environmental management activities meticulously carried out in the past by the PP is highly evident during the site inspection, it has been decided to consider the value of 70.
- R: R has been considered as 250 even though M/s. Asian Paints, Sriperumbudur has spent adequate money to safeguard the environment during the violation period the Sub-Committee has adopted the value of as suggested by the CPCB Guidelines to consider R as 250, for “the Environmental Compensation” in cases of violation.
- S could be based on small/medium/large industry categorization, which may be 0.5 for micro or small, 1.0 for medium and 1.5 for large units. Considering the production volume of the Unit (Medium scale), it is decided to consider the value of 1.0.
- LF: LF has been considered as 1.0 as Pondur village where the Unit is located >10km from municipal boundary and having population less than one million, i.e., 2347 (including institutional and houseless population). The present Industrial worker in the area around 25 km radius around Sriperumbudur Town Panchayat is around 50,000. (Source: Directorate of Census Operations TAMIL NADU).
- N: N has been considered as days of operation from the date of commencement of water-based polymer project commencement until the date of submission of sub-committee report (from 06 March 2007 to 25 August 2023) as decided by the SEAC.

**Calculation of the damage cost:**

Pollution Index of Industrial Sector	PI	70
A factor in Rupees for Environmental Compensation	R	250
Factor for scale of operation	S	1.0
Location Factor	LF	1.0
Compensation per day		$= PI \times R \times S \times LF$ $= 70 \times 250 \times 1 \times 1$ $= Rs 17,500$
No. of days of violation	N	5038
		$= (PI \times R \times S \times LF) \times N$

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Environmental Compensation	EC	=Rs 17,500*5038
		= Rs 8,81,65,000
		<b>Or rounded off to Rs. 8.82 crore.</b>

- Based on two damage cost assessments, the damage cost as per the CPCB formula is higher. Thus, the cost equivalent to the ecological damage assessment as per CPCB approach, i.e. INR 8,82 crore is to be spent across Remediation Plan, Natural Resources Augmentation Plan, & Community Resource Augmentation Plan.
- The amount which will be spent for Remediation Plan, Natural Resource Augmentation Plan and Community Resource Augmentation Plan is given below.

#### Remediation Plan for Environmental Attributes

Environment Component	Remediation measures for environmental damage	Total	1 <sup>st</sup> year	2 <sup>nd</sup> year
Air Environment	Installation of solar lights in n-numbers of houses in Village	45,00,000	25,00,000	20,00,000
	Development & Maintenance of the OSR Land	45,00,000	25,00,000	20,00,000
Water Environment	Construction/Rejuvenation of existing Village Water Pond in 6 villages of study area in consultation with Irrigation Department (Mambakkam – nos. 1, Palnellur –1, Ballellur- 05	150,00,000	75,00,000	75,00,000
	ponds, Pondur-01, Araneri-01)			

  
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	Rain water harvesting pit in villages (Mambakkam – nos. 5, Palnellur – nos. 5, Ballelur- 05)	45,00,000	25,00,000	20,00,000
Soil Environment	Provide organic fertilizer to Gram Panchayat to increase the soil fertility (Mambakkam, Panellur, Ballelur)	15,00,000	10,00,000	5,00,000
<b>Grand Total</b>		<b>3,00,00,000</b>	<b>1,60,00,000</b>	<b>1,40,00,000</b>
			<b>0</b>	<b>0</b>

**Natural Resource Augmentation plan along with action plan**

Environment components	Natural Resource Augmentation	Total	1 <sup>st</sup> year	2 <sup>nd</sup> year
Air Environment	Rooftop solar system in minimum 2 houses per village (Mambakkam, Palnellur, Ballelur)	41,60,000	31,60,000	10,00,000
Water Environment	Rejuvenation of Water Bodies	80,00,000	80,00,000	
Land Environment	Collection of Biodegradable waste and provision organic waste converter (Mambakkam, Palnellur, Ballelur, Pondur, Araneri, Vadakkal)	100,00,000	50,00,000	50,00,000
To construct a Blue Green	Main structure	45,00,000		
	Restroom (4 units)	6,50,000		

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Centre at Siruseri	Water treatment	4,50,000			
Twin Lakes,	system		78,40,000	78,40,000	-
Southern	Fencing	3,80,000		0	
Chennai in	Landscaping	8,00,000			
creating a	Coordinator (1	7,00,000			
Knowledge	year)				
Centre.	Maintenance (1	3,60,000			
	year)				
<b>Grand Total</b>			<b>3,00,00,000</b>	<b>2,40,00,000</b>	<b>60,00,000</b>

**Community resources development plan along with action plan**

Environmental Component	Community Resource Development	Total	1 <sup>st</sup> year	2 <sup>nd</sup> year
	Construction of Common Toilets in 3 villages (10 toilets in each village) (Mambakkam, Pondur, Araneri, Balnellur, Selyanur, Palnellur)	70,00,000	50,00,000	20,00,000
	Improvement of need base local infrastructure of 3 villages in consultation with gram panchayat (Panchayat Building in Mambakkam, Canal for waste water management, Mambakkam, Community welfare building Palnellur,	47,60,000	37,60,000	10,00,000
Socio-Economic Environment				

  
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	Community hall, Pondur)			
	Solar street lights in 6 Villages of study area (Mambakkam, Pondur, Araneri, Balnellur, Selyanur, Palnellur)	35,00,000	35,00,000	
	Providing Ambulance facilities to primary health Centre in 3 villages (Mambakkam, Pondur, Araneri)	51,00,000	51,00,000	
To construct a Blue Green Centre at IITM, Chennai in creating a Knowledge Centre for the community.	Main structure	45,00,000	78,40,000	78,40,000
	Restroom (4 units)	6,50,000		
	Water treatment system	4,50,000		
	Fencing	3,80,000		
	Landscaping	8,00,000		
	Coordinator (1 year)	17,00,000		
	Maintenance (1 year)	13,60,000		
<b>Grand Total</b>		<b>2,82,00,000</b>	<b>2,52,00,000</b>	<b>30,00,000</b>

  
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Summary of cost equivalent to the ecological Damage assessment is to be spent across Remediation Plan, Natural Resources Augmentation Plan & Community Resource Augmentation Plan is given below.

**Remediation Plan, Natural resources Augmentation plan and Community resources augmentation plan - Total**

	Total	1 <sup>st</sup> year	2 <sup>nd</sup> year
Remediation Plan	₹ 3,00,00,000	1,60,00,000	1,40,00,000
Natural Resource and Augmentation Plan	₹ 3,00,00,000	2,40,00,000	60,00,000
Community Resource Augmentation Plan	₹ 2,82,00,000	2,52,00,000	30,00,000
<b>TOTAL</b>	<b>₹ 8,82,00,000</b>	<b>6,52,00,000</b>	<b>2,30,00,000</b>

**CONCLUSION AND RECOMMENDATIONS:**

As the Proposal falls in High Level Ecological Damage and EMP measures were in place during the Violation Period, the Sub-Committee is of the opinion that the higher Environmental Compensation value has been arrived **based on the CPCB Norm is Rs. 8,82,00,000/-** which is higher than Environmental Compensation values of Rs. 5,20,87,124/- based on the EIA model prepared by the EIA coordinator and hence Rs. 8,82,00,000/- must be compensated for Remediation, Natural Resource Augmentation and Community Resource Augmentation plan as follows:

Sl. No.	Activity Proposed	Total, Rs.
1	Cost of Ecological Damage Remediation Plan	₹ 3,00,00,000
2	Natural Resource Augmentation Plan	₹ 3,00,00,000
3	Community Resource Augmentation Plan	₹ 2,82,00,000
<b>Grand Total</b>		<b>₹ 8,82,00,000</b>

Accordingly, the amount prescribed for Ecological remediation augmentation, community resource augmentation, may be calculated and applied as per SEAC norms.

  
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The Committee decided to recommend the proposal for grant of Environmental Clearance subject to the following conditions in addition to the normal conditions:

1. The amount prescribed for Ecological remediation (**Rs. 300 lakhs**), natural resource augmentation (**Rs. 300 lakhs**) & community resource augmentation (**Rs. 282 lakhs**), totaling **Rs. 882 lakhs** shall be remitted in the form of bank guarantee to Tamil Nadu Pollution Control board, before obtaining Environmental Clearance and submit the acknowledgement of the same to SEIAA-TN. The funds should be utilized for the remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.
2. The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of six months. If not the bank guarantee will be forfeited to TNPCB without further notice.
3. The project proponent shall submit the proof for the action taken by the state Government/TNPCB against project proponent under the provisions of Section 19 of the Environment (Protection) Act, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.
4. Adequate number of trees shall be planted as green belt & compensatory afforestation as indicated in the EIA Report before obtaining CTO from TNPCB.
5. The proponent shall obtain the necessary permission for disposal of excess storm water to the tank situated nearby from the competent authority.
6. The PP shall carry out the packaging odd quantities of paint cans a fully automatic process instead of manual operations to eliminate human exposure.
7. The Project proponent shall continue to operate the existing STP & ETP effectively so as to maintain the standards prescribed by the TNPCB for treated sewage.
8. The Project proponent shall utilize the treated sewage for the development of green belt and toilet flushing after achieving the standards prescribed by the TNPCB.
9. The project Proponent shall provide the combination of UASB (in STP/GWTP) and OWC for disposal of bio degradable solid waste. The project Proponent shall operate the same efficiently and continuously for the disposal of the Organic waste generated

  
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from the campus. The non-bio degradable waste shall be regularly collected and disposed through TNPCB authorized recycler.

10. The Project proponent shall collect & dispose the hazardous waste through TNPCB Authorized vendors/recyclers as per the Hazardous and other wastes (Movement and Transboundary Movement), Rules 2016.
11. The Project proponent shall collect and dispose the E-Waste through TNPCB Authorized vendors/recycler as per the E-Waste Management Rules 2016.
12. Necessary permission shall be obtained from the competent authority for the draw/outsourcing of fresh water before obtaining consent from TNPCB.
13. All the mitigation measures committed by the project proponent for the flood management, Solid waste disposal, Sewage treatment & disposal etc., shall be followed meticulously.

**Appendix -I**  
**List of Native Trees Suggested for Planting**

1. *Aeglemarmelos*–Vilvam
2. *Adenaantherapavonina*-Manjadi
3. *Albizialebeck*–Vaagai
4. *Albiziaamara*-Usil
5. *Bauhinia purpurea* - Mantharai
6. *Bauhinia racemosa* - Aathi
7. *Bauhinia tomentosa*–Iruvathi
8. *Buchananiaaillaris*-Kattuma
9. *Borassusflabellifer*- Panai
10. *Buteamonosperma* - Murukkamaram
11. *Bobaxceiba*– Ilavu, Sevvilavu
12. *Calophyllum* - Punnai
13. *Cassia fistula*- Sarakondrai
14. *Cassia roxburghii*- Sengondrai
15. *Chloroxylonsweitenia* - Purasamaram
16. *Cochlospermumreligiosum*– Kongu, Manjallavu
17. *Cordiadichotoma*– Mookuchalimaram
18. *Cretevaadansonii*–Mavalingum
19. *Dilleniaindica*– Uva, Uzha
20. *Dilleniapentagyna*– SiruUva, Sitruzha
21. *Diospyrosebenum*- Karungali
22. *Diospyroschloroxylon*– Vaganai
23. *Ficusamplissima*– Kalltchi
24. *Hibiscus tiliaceous*–Aatrupoovarasu
25. *Hardwickiabinata*– Aacha
26. *Holopteliaintegrifolia*-Aayili
27. *Lanneacoromandelica* - Odhiam

  
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28. *Lagerstroemia speciosa* - Poo Marudhu
29. *Lepisanthustetraphylla*- Neikottaimaram
30. *Limoniaacidissima* - Vila maram
31. *Litsea glutinosa*—Pisinpattai
32. *Madhucalongifolia* - Illuppai
33. *Manilkara hexandra*—UlakkaiPaalai
34. *Mimusops elengi* - Magizhamaram
35. *Mitragynaparvifolia* - Kadambu
36. *Morinda pubescens*—Nuna
37. *Morinda citrifolia*— VellaiNuna
38. *Phoenix sylvestre*-Eachai
39. *Pongamia pinnata*—Pungam
40. *Premna mollissima*— Munnai
41. *Premna serratifolia*— Narumunnai
42. *Premna tomentosa*-PurangaiNaari, PudangaNaari
43. *Prosopis cinerea* - Vannimaram
44. *Pterocarpus marsupium* - Vengai
45. *Pterospermum canescens*—Vennangu, Tada
46. *Pterospermum xylocarpum* - Polavu
47. *Puthranjivaroxyburghii*—Puthranjivi
48. *Salvadora persica*— UgaaMaram
49. *Sapindus marginatus*- Manipungan, Soapukai
50. *Saraca asoca* - Asoca
51. *Streblus asper*- Pirayamaram
52. *Strychnos nuxvomica*—Yetti
53. *Strychnos potatorum* - TherthangKottai
54. *Syzygium cumini* - Naval
55. *Terminalia bellerica*- Thandri
56. *Terminalia arjuna*- Venmarudhu
57. *Toona ciliata* – Sandhanavembu
58. *Thespesia populnea*- Puvarasu
59. *Walsura trifoliata*—valsura
60. *Wrightia tinctoria*- Vep

**Discussion by SEIAA and the Remarks:-**

The subject was placed in the 680<sup>th</sup> Authority meeting held on 18.12.2023. The Authority noted that the subject was appraised in the 404<sup>th</sup> SEAC meeting held on 25.08.2023. The SEAC has observed that the Expansion of Existing Paints and Water-based polymers manufacturing industry at Plot No. E6, E7, F6 pt, F7 pt, F11, F12 & F13, SIPCOT Industrial Park, Pondur, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu under violation Category comes under the “**High level Ecological damage category**” as per the report submitted by the sub-committee. Hence, The Committee decided to recommend the proposal for **grant of Environmental Clearance** subject to the conditions stated therein, in addition to

  
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the normal conditions. After detailed discussion, the Authority decided to request the Member Secretary, SEIAA to inform the proponent to furnish the following particulars as recommended by SEAC in the Minutes of 404<sup>th</sup> SEAC meeting held on 25.08.2023.

1. The project proponent shall remit the amount prescribed for Ecological remediation (Rs. 300 lakhs), natural resource augmentation (Rs. 300 lakhs) & community resource augmentation (Rs. 282 lakhs), totaling Rs. 882 lakhs shall be remitted in the form of bank guarantee to Tamil Nadu Pollution Control board, before obtaining Environmental Clearance and submit the acknowledgement of the same to SEIAA-TN. The funds should be utilized for the remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.
2. The project proponent shall submit the proof for the action taken by the state Government/TNPCB against project proponent under the provisions of Section 19 of the Environment (Protection) Ac, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.

The proponent vide letter dated:11.12.2023 furnished a reply to the details sought by SEIAA. In view of the above, the proposal is again placed in this 680<sup>th</sup> Authority meeting held on 18.12.2023. The Authority noted the following:

- i) The proponent vide letter dated.11.12.2023 has furnished the copy of Bank Guarantee obtained in favour of TNPCB as recommended by SEAC.
- ii) Further, TNPCB has filed a court case against the proponent in the Judicial Magistrate Court, Sriperumbudur vide case Number: CC/9832/2023.

**In view of the above, the Authority accepted the recommendation of SEAC and decided to grant post Environmental Clearance subject to the conditions as recommended by SEAC, normal/standard conditions stipulated by MoEF&CC, in addition to the following conditions:**

1. The project Proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a Period of one year as committed. If not, the bank guarantee will be forfeited to TNPCB without further notice.

  
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2. Industry shall also operate ETP & APC measures and to provide appropriate monitoring mechanism to ensure continuous operation.
3. At no point of time the Industry should not discharge treated/untreated effluent inside / outside the premises.
4. The proponent shall ensure the zero-liquid discharge.
5. The project proponent shall maintain the Green belt area not less than 33% of the land area all along the periphery of the unit and maximum green belt shall be maintained. Selection of plant species shall be as per the CPCB guidelines in consultation with the District Forest officer.
6. The project proponent, their activities should not cause harm to the natural vegetation/water bodies and other natural resources.
7. The project proponent shall ensure the activities should not cause any damage to the soil and natural seed banks.
8. The project proponent shall provide medical facilities, possibly with a medical officer in the project site for continuous monitoring the health of construction workers during COVID and Post - COVID period.
9. The project proponent, there should be no Green House Gases (GHG) emissions. The result in temperature rise and leading to climate changes.

**Validity:**

**The SEIAA hereby accords Environmental Clearance to the above project under the provisions of EIA Notification dated 14<sup>th</sup> 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

  
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recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (incase of the presence of schedule-I species in the study area)

- iv. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
- v. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
- vi. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989

**(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 recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognised under Environment (Protection) Act, 1986.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM25 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120 each), covering upwind and downwind directions.

  
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- iv. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
- v. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
- vi. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.
- vii. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16<sup>th</sup> November, 2009 shall be complied with

**(C) Water quality monitoring and preservation:**

- i. The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD)
- ii. As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD).
- iii. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
- iv. Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.

  
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- 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.
- 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.

  
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- v. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- vi. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- vii. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places

**(F) Corporate Environment Responsibility:**

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation

  
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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 & evaporation salt shall be disposed off to the TSDF.
- iii. The company shall undertake waste minimization measures as below:-
  - a. Metering and control of quantities of active ingredients to minimize waste.
  - b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
  - c. Use of automated filling to minimize spillage.
  - d. Use of Close Feed system into batch reactors.
  - e. Venting equipment through vapour recovery system.
  - f. Use of high pressure hoses for equipment clearing to reduce wastewater generation

**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 SPCB 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.
- 5. Encourage use of cleaner fuels (pet coke/ furnace oil/ LSHS may be avoided).

  
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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 techno - 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 SPCBs/ PCCs.
4. More stringent norms for management of hazardous waste. The waste generated should be preferably utilized in co processing.
5. Monitoring of compliance of EC conditions may be submitted with third party audit every year.
6. The % 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.

#### **(H) 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 1<sup>st</sup> June and 1<sup>st</sup> December of each

  
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calendar year in respect of the conditions stipulated in the prior Environmental clearance issued.

- (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 committed. Regular monitoring should be carried out during operation phases.
- (v) The residue collected from the evaporator 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 proponent 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 at all vital locations as laid down in MSDS.
- (ix) The proponent shall ensure that the quantity of Hazardous Waste handed over to the TSDF shall match with the quantity generated.
- (x) The proponent shall provide a separate closed area earmarked for storing solid waste including Hazardous Waste as proposed.
- (xi) The proponent 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 TNPCB registered recyclers.
- (xii) The Plastic wastes shall be segregated and disposed as per the provisions of Plastic Waste (Management & Handling) Rules 2016.

  
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- (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.
- (xv) The industry shall conduct air sampling at least once in six months for the general core parameters (PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>x</sub>, NO<sub>x</sub>) 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 in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.
- (xx) The industry shall promote tree plantation to neutralize their carbon foot print. The industry shall engage regularly in afforestation programme.
- (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 (104 times in a year), as stipulated under EP Act 1986.
- (xxiv) Risk cum disaster management plan should be in placed in the industry premises at all time.

  
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- (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/ Honb'le High Court of Madras.
- (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 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.
- (xxxvi) The Activity of the industry should not impact on agricultural, irrigation system and mangroves surrounding the area.

  
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- (xxxvii) The EMP cost and operation and maintenance cost shall be deposited in a nationalized bank by opening separate account and the head wise expenses 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.
- (xlii) 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.
- (xliii) The project proponent shall take up better housekeeping measures including scraps disposal and up keeping the machineries, pipes, etc.
- (xliv) The proponent should continuously monitor the VOC and ensure that VOC levels are within permissible limits.

**(I) 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 TNPCB.
- 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; PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters,

  
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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 modernization 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.
- 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, SO<sub>2</sub> and NO<sub>x</sub> 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.

  
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- 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. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 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/annum 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, SO<sub>2</sub>, NO<sub>x</sub> (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.
- xviii. The environmental statement for each financial year ending 31<sup>st</sup> 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 MOEF by e-mail.
- xix. 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.
- xx. The SEIAA, TN may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.

  
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- xxi. The SEIAA/SEAC or any Competent Authority may suitably add any further condition(s) on receiving reports from the project authority. The above condition shall be monitored by the Regional Office of MoEF located at Chennai.
- xxii. The SEIAA, TN may revoke or suspend the Environmental clearance, if implementation of any of the above conditions is not satisfactory.
- xxiii. 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.
- xxiv. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.
- xxv. The SEIAA-TN reserves the right to stipulate additional conditions if found necessary. The industry in a time bound manner shall implement these conditions.
- xxvi. The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability Insurance Act, 1991, along with their amendments, draft Minor Mineral Conservation & Development Rules, 2010 framed under MMDR 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.
- xxvii. 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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**Copy to:**

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 Bhavan,  
CBD Cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
3. The Member Secretary, Tamil Nadu Pollution Control Board,  
76, Mount Salai, Guindy, Chennai - 600 032.
4. The APCCF (C), Regional Office, Ministry of Environment & Forest (SZ), Chennai –  
34.
5. Monitoring Cell, I A Division, Ministry of Environment & Forests,  
Paryavaran Bhavan, CGO Complex, New Delhi - 110 003.
6. Stock File.