



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

To,

The Managing Director  
STATE INDUSTRIES PROMOTION CORPORATION OF TAMILNADU  
LIMITED (SIPCOT)  
19-A,Rukmani Lakshmipathy Road, Egmore,Chennai -600008

**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/MIS/59361/2020 dated 23 Dec 2020. The particulars of the environmental clearance granted to the project are as below.

- |  |   |
|--|---|
| 1. EC Identification No.                   | EC22B039TN164245  |
| 2. File No.                                | 7640  |
| 3. Project Type                            | New   |
| 4. Category                                | B1  |
| 5. Project/Activity including Schedule No. | 8(b) Townships and Area Development projects.   |
| 6. Name of Project                         | Development of Industrial Park at Mannur and Nemili Villages, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu” |
| 7. Name of Company/Organization            | STATE INDUSTRIES PROMOTION CORPORATION OF TAMILNADU LIMITED (SIPCOT)  |
| 8. Location of Project                     | Tamil Nadu  |
| 9. TOR Date                                | 23 Sep 2020   |

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

Date: 14/06/2022

(e-signed)  
Tmt.P.RAJESWARI,IFS  
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.*

PARIVESH

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and Virtuous Environmental Single-Window Hub)





TMT. P. RAJESWARI, I.F.S.,  
MEMBER SECRETARY

STATE LEVEL ENVIRONMENT IMPACT  
ASSESSMENT AUTHORITY – TAMIL NADU

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.7640/EC/ 8(b)/835/2022 dated: 30.05.2022.**

Sir,

Sub: SEIAA, TN - Environmental Clearance – Proposed Development of Industrial Park at Mannur and Nemili Villages in an area of 92.66 Ha by M/s. State Industries Promotion Corporation of Tamil Nadu Limited at S.F. Nos. 511/9A, 512/2A1A, 512/2A1B, 512/2A2, 512/2A3, 512/2B, 512/2C, 512/2D, 512/2E, 512/4A1A1, 512/4A1A2, 512/4A1B, 512/4A2, 512/4A3, 512/4A4, 512/5, 512/6, 512/7, 513, 514, 516, 517, 518, 519 Pt, 540B/2A1, 540B/2A2, 540B/2B, 540B/2C, 541pt, 542B/1A1A, 542B/1A1B, 542B/1A2, 543B/B1, 543B/B2, 544B, 650/1A1A, 650/1A1B, 650/1A2, 650/1B, 650/1C, 650/1D, 650/1E of Mannur Village & S.F.Nos. 1, 2, 3, 4, 5, 6, 7, 8, 14, 15, 19, 20, 21, 22, 23, 28, 29, 30 of Nemili village, Sriperumbudur Taluk, Kancheepuram District under Category 'B' and Schedule S.No. 8(b) under the Environment Impact Assessment Notification, 2006, as amended - Issued – Regarding.

Ref: 1. Your application for Terms of Reference dated: 13.07.2020

2. ToR Issued by SEIAA-TN Vide Lr.No.SEIAA-TN/F.No.7640/SEAC/8(b)/ToR-764/2020 dated: 23.09.2020

3. Online Application for EC vide SIA/TN/MIS/59361/2020, dated: 23.12.2020

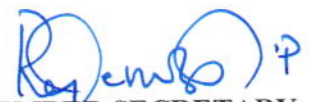
4. EIA report submitted to SEIAA-TN on 24.12.2020

5. Minutes of the 223<sup>rd</sup> SEAC Meeting held on 30.07.2021

6. Proponent reply dated 29.04.2022

7. Minutes of the 268<sup>th</sup> SEAC Meeting held on 29.05.2022

8. Minutes of the 513<sup>rd</sup> SEIAA Meeting held on 30.05.2022

  
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This has reference to your application 3<sup>rd</sup> & 4<sup>th</sup> cited, the proposal seeking Environmental Clearance for the proposed development of industrial park at S.F. Nos. 511/9A, 512/2A1A, etc. of Mannur Village & S.F.Nos. 1, 2, 3, etc. of Nemili Village Sriperumbudur Taluk, Kancheepuram District under Category 'B' and Schedule S.No. 8(b) under the Environment Impact Assessment Notification, 2006, as amended.

The Competent Authority and Authorized signatory furnished detailed information in Form I and Form 1A and liquidate enclosures are as Annexures:

**Annexure 1**

<b>PROJECT DETAILS</b>		
<b>SL No</b>	<b>Description</b>	<b>Details</b>
1)	Name of the Project proponent and address	The Managing Director M/s. State Industries Promotion Corporation of Tamil Nadu Limited. 19-A, Rukmani Lakshmi pathy Road Post Box no.7223 Egmore Chennai-600 008
2)	Proposed Activity	Proposed Development of Industrial Park at Mannur and Nemili Villages in an area of 92.66 Ha
3)	Schedule No.	8(b)
4)	<b>Project Location</b>	
	i) Survey No	S.F. Nos. 511/9A, 512/2A1A, 512/2A1B, 512/2A2, 512/2A3, 512/2B, 512/2C, 512/2D, 512/2E, 512/4A1A1, 512/4A1A2, 512/4A1B, 512/4A2, 512/4A3, 512/4A4, 512/5, 512/6, 512/7, 513, 514, 516, 517, 518, 519 Pt, 540B/2A1, 540B/2A2, 540B/2B, 540B/2C, 541pt, 542B/1A1A, 542B/1A1B, 542B/1A2,

  
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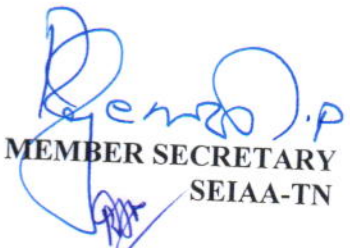
	543B/B1, 543B/B2, 544B, 650/1A1A, 650/1A1B, 650/1A2, 650/1B, 650/1C, 650/1D, 650/1E of Mannur Village & S.F.Nos. 1, 2, 3, 4, 5, 6, 7, 8, 14, 15, 19, 20, 21, 22, 23, 28, 29, 30 of Nemili Village Sriperumbudur Taluk, Kancheepuram District.																																													
ii) Revenue Village	Mannur Village & Nemili Village																																													
iii) Taluk	Sriperumbudur																																													
iv) District	Kancheepuram																																													
v) Latitude & Longitude	<table border="1"> <thead> <tr> <th>S. No.</th> <th>Latitude (N)</th> <th>Longitude (E)</th> </tr> </thead> <tbody> <tr><td>1</td><td>13°0'16.62"</td><td>79°56'37.34"</td></tr> <tr><td>2</td><td>13°0'21.94"</td><td>79°56'38.76"</td></tr> <tr><td>3</td><td>13°0'22.00"</td><td>79°56'40.45"</td></tr> <tr><td>4</td><td>13°0'27.02"</td><td>79°56'41.23"</td></tr> <tr><td>5</td><td>13°0'29.12"</td><td>79°56'37.20"</td></tr> <tr><td>6</td><td>13°0'29.88"</td><td>79°56'37.25"</td></tr> <tr><td>7</td><td>13°0'31.94"</td><td>79°56'34.29"</td></tr> <tr><td>8</td><td>13°0'32.03"</td><td>79°56'33.71"</td></tr> <tr><td>9</td><td>13°0'32.46"</td><td>79°56'34.00"</td></tr> <tr><td>10</td><td>13°0'33.34"</td><td>79°56'32.82"</td></tr> <tr><td>11</td><td>13°0'37.06"</td><td>79°56'33.93"</td></tr> <tr><td>12</td><td>13°0'43.43"</td><td>79°56'39.51"</td></tr> <tr><td>13</td><td>13°0'45.86"</td><td>79°56'37.71"</td></tr> <tr><td>14</td><td>13°0'51.43"</td><td>79°56'39.32"</td></tr> </tbody> </table>	S. No.	Latitude (N)	Longitude (E)	1	13°0'16.62"	79°56'37.34"	2	13°0'21.94"	79°56'38.76"	3	13°0'22.00"	79°56'40.45"	4	13°0'27.02"	79°56'41.23"	5	13°0'29.12"	79°56'37.20"	6	13°0'29.88"	79°56'37.25"	7	13°0'31.94"	79°56'34.29"	8	13°0'32.03"	79°56'33.71"	9	13°0'32.46"	79°56'34.00"	10	13°0'33.34"	79°56'32.82"	11	13°0'37.06"	79°56'33.93"	12	13°0'43.43"	79°56'39.51"	13	13°0'45.86"	79°56'37.71"	14	13°0'51.43"	79°56'39.32"
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15	13°0'55.00"	79°56'47.68"
16	13°0'54.43"	79°56'47.44"
17	13°0'53.32"	79°56'50.53"
18	13°0'52.25"	79°56'49.22"
19	13°0'51.49"	79°56'51.69"
20	13°0'52.29"	79°56'51.76"
21	13°0'49.89"	79°56'57.22"
22	13°0'48.91"	79°56'57.77"
23	13°0'47.34"	79°56'57.25"
24	13°0'46.07"	79°57'0.04"
25	13°0'46.46"	79°56'58.05"
26	13°0'39.91"	79°56'57.41"
27	13°0'36.91"	79°57'7.55"
28	13°0'20.82"	79°57'4.54"
29	13°0'16.93"	79°57'5.27"
30	13°0'14.64"	79°57'4.36"
31	13°0'12.90"	79°57'6.93"
32	13°0'9.90"	79°57'0.31"
33	13°0'13.62"	79°56'49.37"

5) Details of area of the proposed industrial park

Village	Patta (ha)	Poramboke (ha)	Total (ha)
Mannur	26.250	1.450	27.700

  
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Nemili	56.535	8.425	64.960
<b>Total</b>	<b>82.785</b>	<b>9.875</b>	<b>92.66</b>

6) Breakup details of proposed development of Industrial park

Description	Area (Acre)	Ha	% of developable area
Plot Coverage	141.04	57.10	72.40
Common amenities	3.90	1.58	2.00
Commercial activities	5.84	2.36	3.00
Solid Waste Management	1.50	0.61	0.77
Road, Storm and drain	18.95	7.68	9.73
OSR area	17.59	7.12	9.03
Green Belt	5.98	2.42	3.07
Total developable area	194.8	78.87	100
Water bodies	23.39	9.47	
HT line with buffer (Line1 400Kv-46m ROW, Line2 110Kv-22m ROW)	6.73	2.72	
IOCL pipeline with 18m ROW	3.95	1.60	
Total area of the Industrial Park	228.87	92.66	

  
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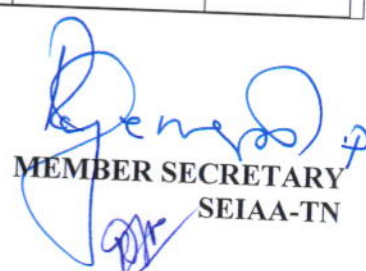
7) Brief description of the project

The Industrial Park is proposed in 92.66 Ha (228.87 Acres) (Nemili village - 64.960 Ha, Mannur village -27.7 Ha) to accommodate only industries that will not fall under A or B Category as per EIA notification, 2006 and amendments.

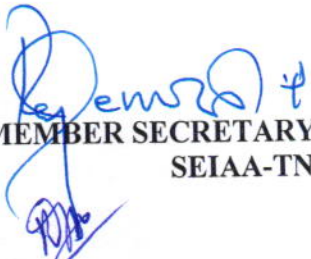
Around 70% of the plotted area (40.23 Ha) is proposed to be allotted for Electronics and electrical parts manufacturing/ assembling industries.

20% of plotted area (11,15 Ha) is proposed for IT Parks and 10% of the plotted area (6.27 Ha) is proposed for Engineering industries (including fabrication), Auto ancillary industries, packaging industries falling under Red, Orange, Green and White category industries.

Industry Sector	Approximate % of Plot	Plot Nos	Area (Acres)	Area (Ha)	Schedule as per EIA Notification and its amendments	Category as per CPCB
Electronics & Electrical	70	1-25	99.36	40.23	Nil	Red, Orange, Green & white
IT Parks	20	26-33	27.55	11.15		
Other Non EC category industries such as Engineering (including Fabrication, Auto ancillary industries, packaging industries,	10	34-37	15.48	6.27		


  
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	etc					
		100		142.39	57.65	
8)	Green Belt area	5.98Acres				
9)	Source of Water	Fresh water requirement to be met from Chembarambakkam Lake. Treated water from TTRO plant of CMWSSB.				
10)	Water requirement:					
	Construction Phase	20 kLD - To be met from private tankers.				
	Operation Phase					
	<b>Water Usage</b>	<b>Fresh water (kLD)</b>	<b>TTRO (kLD)</b>	<b>Recycled water (kLD)</b>	<b>Total water(kLD)</b>	
	Domestic	200	0	0	200	
	Domestic (Flushing)	0	250	0	250	
	Utilities	0	0	192	192	
	Process	0	212	396	608	
	Green belt development	0	531	430	961	
	<b>Total</b>	<b>200</b>	<b>993</b>	<b>1018</b>	<b>2211</b>	
11)	Waste Water management :					
	Wastewater	Quantity	Methods of treatment and disposal			
	Sewage	430	Individual STP to be provided by each individual industry and the treated sewage to be used for Greenbelt.			


  
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	Effluent	590	Individual ETP with ZLD system by each individual industry and the treated effluent to be recycled for the process & utilities.
	SIPCOT to mandate and ensure installation of individual STP/ETP by the each individual industry.		
12)	Solid Waste Management		
	<b>Component</b>	<b>Construction phase (Kg/day)</b>	<b>Operation phase (Kg/day)</b>
	MSW - Organic waste	30	3000
	MSW - Inorganic waste	20	2000
	<p><b>MSW in Industrial Plots:</b> SIPCOT to mandate and ensure that all the individual industries to manage the Municipal Solid Waste generated by them within their premises as per Solid waste Management Rules 2016 as amended.</p> <p>Municipal Solid Wastes to be segregated by the individual industries as organic and inorganic wastes. Organic wastes to be composted by each individual industry and to be used as manure for green belt development.</p> <p>Inorganic wastes to be disposed to TNPCB authorized recyclers by the each individual industry.</p> <p><b>MSW in area apart from Industrial Plots:</b> SIPCOT has earmarked 1.5 Acres of land for establishment of Solid Waste</p>		

  
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			<p>Management facility.</p> <p>Organic wastes to be composted using Organic waste convertor and compost will be used as manure for green belt development. Inorganic waste to be disposed to TNPCB authorized recyclers.</p>
	Hazardous waste	Used oil from construction DGs	SIPCOT to mandate and ensure that all the individual industries to provide their own hazardous waste storage area within their site and to dispose the hazardous waste generated and Other Wastes (Management and Transboundary Movement) Rules, 2016 as amended.
	E waste	Not applicable	SIPCOT to mandate and ensure that all the individual industries to provide their own E- waste storage area within their site and to dispose the E-waste generated as per E Waste (Management) Rules 2016 as amended.
13)	Green Belt Area		<p>Overall Green belt area including OSR - 70.1 Acres (28.383 ha).</p> <p>Green belt area by SIPCOT – 5.98 Acres (2.42 ha).</p>
14)	Power requirement		<p>The power requirement for the proposed industrial Park is 15 MVA. The Power requirement for the Park to be supplied by Tamil Nadu Generation and Distribution Co Ltd (TANGEDCO) from the Grid.</p> <p>Individual industries to have backup DG sets as per their requirement.</p>
15)	Rain water Harvesting		<p>Individual industries to provide adequate no. of RWH pits.</p> <p>To provide adequate RWH pits all along the storm</p>


  
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		water drain.
16)	Storm Water Management	To provide open concrete channels along the road for collection of storm water.
17)	Project Cost	Rs.550 Crores
18)	EMP Cost	Capital Cost- Rs.827.53 Lakhs Recurring cost-Rs.11.0 Lakhs
19)	CER Cost	Rs. 5 Crores for development of ARHC facility in 2 acres of land as committed.

**Annexure 2- Affidavit**

I, Thiru. T. Anand, I.A.S, Managing Director, Authorized Signatory, representing M/s. State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT) having registered office at 19-A, Rukmani Lakshmi pathy Road, Egmore, Chennai – 600008, for proposed “Development of Industrial Park over an extent of 92.66 Hectares (228.87 acres) at Mannur Village (S.F. Nos – 511/9A, 512/2A1A, 512/2A1B, 512/2A2, 512/2A3, 512/2B, 512/2C, 512/2D, 512/2E, 512/4A1A1, 512/4A1A2, 512/4A1B, 512/4A2, 512/4A3, 512/4A4, 512/5, 512/6, 512/7, 513, 514, 516, 517, 518, 519 Pt, 540B/2A1, 540B/2A2, 540B/2B, 540B/2C, 541pt, 542B/1A1A, 542B/1A1B, 542B/1A2, 543B/B1, 543B/B2, 544B, 650/1A1A, 650/1A1B, 650/1A2, 650/1B, 650/1C, 650/1D, 650/1E) and Nemili Village (S.F. Nos. - 1, 2, 3, 4, 5, 6, 7, 8, 14, 15, 19, 20, 21, 22, 23, 28, 29, 30) of Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu State, hereby take oath and state as under in this affidavit:

- I. The total water requirement of the park is estimated at 2211 KLD (Fresh water:200 KLD, TTRO water:993 KLD and Recycled water:1018 KLD). Fresh water requirement for the Industrial Park is proposed to be sourced from existing SIPCOT water supply scheme from Chembarambakkam Lake and TTRO water will be sourced through Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB).
- II. Power Supply (15 MVA) will be ensured from Tamil Nadu Generation and Distribution Co. Ltd. (TANGEDCO) Facility as a common supply system by SIPCOT to all member industries. The Individual industries will avail power supply from TANGEDCO and may have backup DG sets as per their requirement.

  
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- III. All member industries will be instructed to provide rain water harvesting structures as per norms. SIPCOT will construct Rainwater harvesting pits along the storm water drain for recharging ground water.
- IV. Storm water drainage will be provided as open concrete channels along the road ensuring proper collection of storm water and the same will be used for charging the rain water harvesting structures. We confirm that the storm water drain would not carry any untreated (or) treated sewage.
- V. All member industries will be instructed to have their own solid waste and hazardous storage facility within their Plot. Inorganic waste will be sold to TNPCB authorized recyclers by member units. SIPCOT has earmarked 1.5 Acres of land for establishment of Solid Waste Management facility.
- VI. All member industries will be mandated to store and dispose the hazardous waste generated within their premises as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- VII. Individual industries will be mandated to provide STP/ETP with adequate capacity and maintain Zero Liquid Discharge (ZLD) system.
- VIII. Overall Greenbelt area of the park would be ~70.11 acres i.e. 35.99% of developable area i.e., 194.8 acres.
- IX. EMP cost of the park is INR 827.53 Lakhs. Details are given below:

Sl.No	Project Components	Capital Cost (Rs. in lakhs)
1	Storm Water drains	650.00
2	Rain Water Harvesting	40.00
3	Solid Waste Management	25.00
4	Green Belt Development	8.53
5	Fencing of Water channel	34.00
6	Solar Street Lights	45.00
7	Medical Dispensary / First Aid Facility	25.00
	<b>Total EMP Cost</b>	<b>827.53</b>

- X. As per MoEF&CC Office Memorandum dated 01.05.2018 and as per discussion in the 268<sup>th</sup> SEAC meeting dated 29.04.2022, SIPCOT has committed to earmark 2 Acres of land for the development of Industrial Housing Facility through Public Private Partnership (PPP) mode, which works to about ₹5 Crores towards

  
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Corporate Environment Responsibility (CER) activity. The same has been committed vide our letter dated 02.05.2022.

Declaration

I, Thiru. T. Anand, I.A.S., do hereby declare that the statement made by me under para (I) to (X) are true and correct to the best of my knowledge and belief. Nothing is false and nothing is concealed in it.

SEAC Remarks:

**Proposed Development of Industrial Park at Mannur and Nemili Villages in an area of 92.66 Ha at S.F. Nos -511/9A, 512/2A1A, 512/2A1B, 512/2A2, 512/2A3, 512/2B, 512/2C, 512/2D, 512/2E, 512/4A1A1, 512/4A1A2, 512/4A1B, 512/4A2, 512/4A3, 512/4A4, 512/5, 512/6, 512/7, 513, 514, 516, 517, 518, 519 Pt, 540B/2A1, 540B/2A2, 540B/2B, 540B/2C, 541pt, 542B/1A1A, 542B/1A1B, 542B/1A2, 543B/B1, 543B/B2, 544B, 650/1A1A, 650/1A1B, 650/1A2, 650/1B, 650/1C, 650/1D, 650/1E in Mannur village, Sriperumbudur Taluk, Kancheepuram District. S.F.Nos. -1, 2, 3, 4, 5, 6, 7, 8, 14, 15, 19, 20, 21, 22, 23, 28, 29, 30 in Nemili village Sriperumbudur Taluk, Kancheepuram District Nemili Village, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu by M/s.State Industries promotion Corporation of Tamil Nadu - For Environmental Clearance.**

**(SIA/TN/MIN/59361/2020, dated: 23.12.2020)**

The proposal was placed for appraisal in this 268<sup>th</sup> SEAC meeting held on 29.5.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, M/s. State Industries promotion Corporation of Tamil Nadu (SIPCOT), has applied for Environmental Clearance for the proposed Development of Industrial Park at Mannur and Nemili Villages in an area of 92.66 Ha at S.F.No: 511/9A, 512/2A1A, 512/2A1B, 512/2A2, 512/2A Nemili Village, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 8(b) "Township Area Development Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier, this proposal was placed before 223<sup>rd</sup> meeting of SEAC held on 30.07.2021, based on the presentation and documents furnished by the project

  
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proponent, SEAC decided to obtain following details from the PP.

- The project proponent shall leave the area for water bodies without any encroachment in the site as per FMB sketch. There are 6 water bodies within the area and hence the project proponent shall revise the plan accordingly leaving path for water bodies.
- The project proponent shall submit Village map, 'A' register.
- The project proponent shall revise storm water management plan. The storm water shall be collected, stored / treated and shall be reused.
- The project proponent shall not plan OSR area in HT line and any activity nearby HT line shall be strictly followed as per EB rules.
- The project proponent shall not include OSR in green belt area.
- The project proponent shall not plan any activity near IOC pipeline area.
- The project proponent shall not plan for any Red category type of industries.
- The project proponent shall work out pollution load, after deciding the planned infrastructure inside that are to be housed.

Based on PP reply on 29.4.2022, this proposal was again placed in 268<sup>th</sup> SEAC meeting held on 29.5.2022. The PP made a presentation along with replies to the above short comings raised in 223<sup>rd</sup> SEAC meeting. Based on the presentation made and documents furnished by the project proponent, SEAC decided **to recommend the proposal for the grant of Environmental Clearance** subject to the following specific conditions, in addition to normal conditions stipulated by MOEF &CC:

1. All the water bodies shall be maintained properly.
2. The Project proponent shall consult with Auroville Foundation – Government of India organisation - for the development of waterbodies inside the Park.
3. The Proponent shall ensure that **no** schedule A & B industries as per EIA Notification 2006, shall be allowed in the Park.
4. The proponent shall construct ARHC complex to benefit a minimum of 5,000 workers, as a part of the development of the Park, before obtaining CTO.
4. The project proponent shall ensure that the individual industries to be housed in

  
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- the SIPCOT to achieve ZLD.
5. The project proponent shall submit flood inundation certificate and shall fix the level according to the conditions issued in the certificate.
  6. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc. to SEIAA.
  7. The height of the stacks of DG sets shall be provided as per the CPCB norms.
  8. The project proponent shall allot necessary area for the collection of E waste and strictly follow the E-Waste Management Rules 2016, as amended for disposal of the E waste generation within the premise.
  9. The sludge generated from the Sewage Treatment Plant shall be collected and dewatered using filter press and the same shall be utilized as manure for green belt development after composting.
  10. The purpose of Green belt around the project is to capture the fugitive emissions and to attenuate the noise generated, in addition to the improvement in the aesthetics. A wide range of indigenous plants species should be planted in and around the premise in consultation with the DFO, District / State Agriculture University. The plants species should have thick canopy cover, perennial green nature, native origin and large leaf areas. Medium size trees and small trees alternating with shrubs shall be planted. Miyawaki method of planting i.e. planting different types of trees at very close intervals may be tried which will give a good green cover. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner and the same shall be included in the layout out plan to be submitted for CMDA/DTCP approval. The total green belt area should be minimum 33% of the total area and the same shall not be used for car parking/OSR,
  11. The project proponent shall provide entry and exit points for the OSR area as per the norms for the public usage and as committed.
  12. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
  13. The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes (Management and

  
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Transboundary Movement) Rules, 2016, as amended for the generation of Hazardous waste within the premises.

14. No waste of any type to be disposed off in any other way other than the approved one.
15. The Proponent shall provide the dispenser for the disposal of Sanitary Napkins.
16. All the mitigation measures committed by the proponent for the flood management, to avoid pollution in Air, Noise, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.
17. The project proponent shall furnish commitment for post-COVID health management for construction workers as per ICMR and MHA or the State Government guidelines as committed for during SEAC meeting.
18. The project proponent shall provide a medical facility, possibly with a medical officer in the project site for continuous monitoring the health of construction workers during COVID and Post - COVID period.
19. Solar energy should be at least 10% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.
20. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
21. **As accepted by the Project proponent, 2 acres of land shall be earmarked for the development of AHRC Facility.**

**SEIAA Remarks:**


The proposal was placed in the 513<sup>th</sup> Authority meeting held on 30.05.2022. The Authority after detailed discussions accepted the recommendation of SEAC and decided to grant of Environmental Clearance subject to the conditions as recommended by SEAC & normal condition in addition to the following conditions:

1. The project proponent shall in-house only non - EIA attracting industries as per EIA notification as amended as proposed & committed.
2. The project proponent shall start establishment only after complete alienation of Patta lands, Govt. Poramboke lands & water bodies within the proposed site in

  
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- concurrence with the competent authority before obtaining consent from TNPCB.
3. The project proponent shall obtain necessary permission for water bodies such as ponds, Canals/channels etc within the proposed site from the competent authority before obtaining CTE from TNPCB.
  4. The project proponent shall ensure that non - EIA attracting Industries to be in-housed shall treat the Effluent generated by providing adequate individual ETP with ZLD followed by reject management system and shall reuse the treated effluent for the process activity.
  5. The project proponent shall ensure that non - EIA attracting Industries to be in-housed shall treat the Sewage generated by providing adequate individual STP and shall reuse the treated sewage for the toilet flushing & green belt/gardening.
  6. The project proponent shall ensure that non - EIA attracting Industries to be in-housed shall provide elevated STP/ETP of adequate capacity & its utilities above the ground level with adequate height considering highest rainfall & flood level /inundation point of view as recommended by the competent authority for the proposed project site.
  7. The project proponent shall ensure that the industries to be in-housed shall adhere that no treated or untreated trade effluent/sewage is discharged outside the premises under any circumstances.
  8. The project proponent and the non - EIA attracting Industries to be in-housed shall provide the utilities/ arrangements for fresh water supply, Storm/rain water management, and for reuse of treated sewage/effluent as proposed.
  9. The project proponent shall provide & maintain adequate storm water management & rain water harvesting structures as committed for the project site.
  10. The project proponent shall obtain necessary permission for disposal of storm water to the nearby storm water drain from the competent authority before obtaining CTO.
  11. The project proponent shall ensure that industries to be in-housed shall operate and maintain the proposed individual STP / ETP efficiently and continuously to bring the quality of treated sewage/effluent to satisfy the discharge standards prescribed by the CPCB at all times.

  
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12. The recommendation for the issue of Environmental Clearance is subject to outcome of final orders of Hon'ble Madras High Court W.P Nos.27311/15, 31542/15, 29691/16,28851/16,38658/15,38659/15,31707/18 (Contempt Petition No .2042/19), 31708/18 (Contempt Petition No .2041/19)31711/18 (Contempt Petition No .2043/19), 31712/2018 (Contempt Petition No .2040/19).
13. All the construction of Buildings shall be energy efficient and conform to the green building norms.
14. The project proponent shall adhere to provide adequate parking space for visitors of all inmates including clean traffic plan as committed.
15. The proponent shall adhere to the approval obtained for the source of fresh water supply from the competent Authority.
16. All biosafety standards, hygienic standards and safety norms of working staff and patients to be strictly followed as stipulated in EIA/EMP.
17. The disaster management and disaster mitigation standards to be seriously adhered to avoid any calamities.
18. The proponent shall ensure that the EIA/EMP and disaster management plan should be adhered strictly.
19. The activities should in no way cause emission and build-up Green House Gases. All actions to be eco friendly and support sustainable management of the natural resources within and outside the campus premises.
20. The proponent should strictly comply with, Tamil Nadu Government order regarding ban on one time use and throwaway plastics irrespective of thickness with effect from 01.01.2019 under Environment (Protection) Act, 1986.
21. The proponent shall ensure that provision should be given for proper utilization of recycled water.
22. The proponent shall ensure that all trees & biodiversity listed in EIA report to be protected within the premises.
23. The proponent shall ensure that the buildings should not cause any damage to water environment, air quality and should be carbon neutral building.
24. All the Buildings shall be energy efficient and confirm to the green building norms.

  
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25. The proponent shall ensure utmost safety for the existing biodiversity, trees, flora & fauna in and around the project site & shall not disturb under any circumstances.
26. The proponent shall ensure that all activities of EMP shall be completed before obtaining CTO from TNPCB.
27. The proponent shall ensure that the activities undertaken should not result in carbon emission, and temperature rise, in the area.
28. The proponent shall ensure that the buildings and activities should not result in Environmental damages, nor result in temperature rise.
29. The proponent shall provide and ensure the green belt plan is implemented as indicated in EMP.
30. The proponent shall ensure to provide the emergency exit in the buildings.
31. The proponent shall ensure to provide elevator as per rules CMDA/DTCP.
32. The proponent shall ensure to provide adequate capacity of DG set (standby) for the proposed STP so as ensure continues and efficient operation.
33. The proponent shall adhere to the provision and norms regard to fire safety prescribed by competent authority.
34. The project proponent shall adhere to storm water management plan as committed.

Environmental Clearance along with the conditions containing four parts namely

Part - A –Common conditions applicable for Pre-construction, Construction and Operational Phases

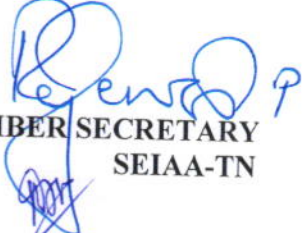
Part - B –Specific Conditions – Pre construction phase

Part - C - Specific Conditions – Construction phase

Part – D - Specific Conditions – Operational Phase/Post constructional Phase / Entire life of the project.

**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:

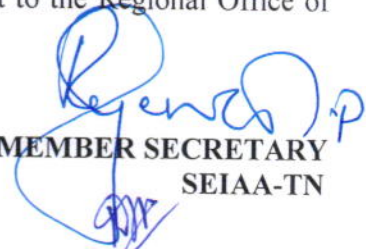
  
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**Part - A – Common conditions applicable for Pre-construction, Construction and Operational Phases:**

1. 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.
2. The construction of STP, Solid Waste Management facility, E-waste management facility, DG sets, etc., should be made in the earmarked area only. In any case, the location of these utilities should not be changed later on.
3. The project proponent shall obtain and adhere to flood inundation certificate and shall fix the level according to the conditions issued recommended by competent authority.
4. The project proponent shall ensure to provide and maintain adequate safety distance & Safety measures/ Environmental mitigation measures periodically for the ecosystem such as water bodies, reserve forest/forest, grazing fields, agricultural fields & underground pipelines etc in & around the proposed site as recommended by competent authority time to time.
5. The Environmental safeguards contained in the application of the proponent /mentioned during the presentation before the State Level Environment Impact Assessment Authority / State Level Expert Appraisal Committee should be implemented in the letter and spirit.
6. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire and Rescue Services Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wild Life (Protection) Act, 1972, State / Central Ground Water Authority, Coastal Regulatory Zone Authority, other statutory and other authorities as applicable to the project shall be obtained by project proponent from the concerned competent authorities.
7. The SEIAA reserves the right to add additional safeguard measures subsequently, if non-compliance of any of the EC conditions is found and to take action, including revoking of this Environmental Clearance as the case may be.
8. A proper record showing compliance of all the conditions of Environmental Clearance shall be maintained and made available at all the times.

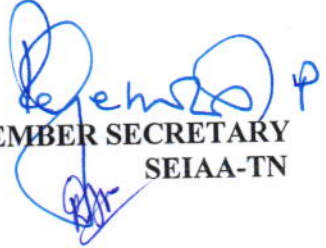
  
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9. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company. The status of compliance of environmental clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Chennai by e-mail.
10. The Regional Office of the Ministry located at Chennai shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.
11. "Consent for Establishment" shall be obtained from the Tamil Nadu Pollution Control Board and a copy shall be submitted to the SEIAA, Tamil Nadu.
12. In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAC/SEIAA shall be obtained before implementation.
13. The 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, including the Hon'ble National Green Tribunal relating to the subject matter.
14. The Environmental Clearance shall not be cited for relaxing the other applicable rules to this project.
15. 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.
16. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of

  
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MoEF, Chennai, the respective Zonal Office of CPCB, Bengaluru and the TNPCB. The criteria pollutant levels namely; PM10, PM2.5, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored.

17. 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.
18. The Environmental Clearance does not imply that the other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would be considering the project on merits and be taking decisions independently of the Environmental Clearance.
19. The SEIAA, TN may alter/modify the above conditions or stipulate any further condition in the interest of environment protection, even during the subsequent period.
20. The Environmental Clearance does not absolve the applicant/proponent of his obligation/requirement to obtain other statutory and administrative clearances from other statutory and administrative authorities.
21. Where the trees need to be cut, compensation plantation in the ratio of 1:10 (i.e. planting of 10 trees for every one tree that is cut) should be done with the obligation to continue maintenance.
22. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive who will report directly to the Head of the Organization and the shortfall shall be strictly reviewed and addressed.
23. The EMP 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.
24. The project activity should not cause any disturbance & deterioration of the local bio diversity.

  
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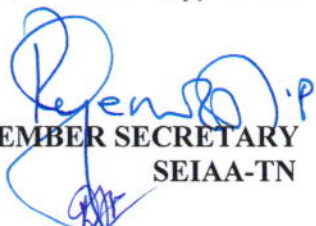
25. The project activity should not impact the water bodies. A detailed inventory of the water bodies and forest should be evaluated and fact reported to the Forest Department & PWD for monitoring.
26. All the assessed flora & fauna should be conserved and protected.
27. The proponent should strictly comply with, Tamil Nadu Government Order (Ms) No.84 Environment and forests (EC.2) Department dated 25.06.2018 regarding ban on one time use and throwaway plastics irrespective of thickness with effect from 01.01.2019 under Environment (Protection) Act, 1986.
28. As per MoEF & CC, GoI, Office Memorandum dated 30.03.2015, prior clearance from Forestry & Wildlife angle including clearance from obtaining committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site is located within 10KM from National Park and Sanctuaries.
29. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided.
30. The safety measures proposed in the report should be strictly followed.
31. The Developer shall ensure that no allotment letter/ sale deed in any form shall be made to house category A or category B industry as prescribed in the schedule of EIA notification 2006. However, in case any category A or category B type of industry as prescribed in the schedule of EIA notification 2006 is proposed then the individual unit shall apply and seek Environmental Clearance under the EIA notification 2006.
32. The Developer shall mandate the member industries of the Industrial Park to allot 33% of the plot area for green belt development and to install RWH structures.
33. The Developer has to ensure that all the member industries within the Industrial Park shall make their own arrangements to achieve zero discharge of the trade effluents, solid waste & E waste management, gaseous emission and noise control measures to achieve the standards prescribed by the TNPCB.
34. The project proponent shall ensure that the individual member units will not be allowed to carry out manufacturing of products stipulated in G.O. (Ms) No. 84 dated 25/06/2018 on banning of one time use on and throwaway plastics.

  
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35. The project proponent must submit the permissible land use classification certificate obtained from competent authority for the proposed project before obtain the CTE from TNPCB.
36. The CER fund shall be utilized as per the office memorandum of MoEF & CC dated 01.05.2018 before obtaining CTO from TNPCB.
37. The allotted industrial units shall obtain consent from the TNPCB separately for their establishment & operation in this industrial estate.
38. The project proponent shall ensure that 33% of the total area of the project site should be covered with green belt.
39. The proponent shall provide adequate nos. of Rain Water Harvesting pits so as to recharge the ground water table.
40. Discharge of treated sewage shall conform to the norms & standards prescribed by the Tamil Nadu Pollution Control Board.
41. It is the sole responsibility of the proponent that the treated sewage disposed for green belt development/ avenue plantation should not pollute the soil/ ground water/ adjacent canals/ lakes/ ponds, etc.
42. The Developer has to ensure that all the member industries within the Industrial Park shall make their own arrangements to achieve zero discharge of the trade effluents,
43. The project proponent shall ensure that all the member units should treat and dispose solid waste & E-waste as per the Solid Waste Management Rule 2016 as amended and E-Waste Management Rules, 2016
44. There shall be no discharge of effluent outside the Industrial Park at any time.
45. The Developer shall mandate the member units of the Industrial Park to install adequate APC measures/Acoustic to achieve air emissions standards within permissible limits prescribed by the CPCB.

**Part - B – Specific Conditions – Pre construction phase:**

1. The project authorities should advertise with basic details 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 clearance. The press releases also mention that a copy of the clearance letter is available with the State Pollution Control Board and also at website of SEIAA, TN. The copy of the

  
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- press release should be forwarded to the Regional Office of the Ministry of Environment and Forests located at Chennai and SEIAA-TN.
2. In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAC/SEIAA shall be obtained before implementation.
  3. A copy of the clearance letter shall be sent by the proponent to the Local Body. The clearance letter shall also be put on the website of the Proponent.
  4. The approval of the competent authority shall be obtained for structural safety of the buildings during earthquake, adequacy of fire fighting equipments, etc as per National Building Code including protection measures from lightning etc before commencement of the work.
  5. All required sanitary and hygienic measures for the workers should be in place before starting construction activities and they have to be maintained throughout the construction phase.
  6. Design of buildings should be in conformity with the Seismic Zone Classifications.
  7. The Construction of the structures should be undertaken as per the plans approved by the concerned local authorities/local administration.
  8. No construction activity of any kind shall be taken up in the OSR area.
  9. Consent of the local body concerned should be obtained for using the treated sewage in the OSR area for gardening purpose. The quality of treated sewage shall satisfy the bathing quality prescribed by the CPCB.
  10. The height and coverage of the constructions shall be in accordance with the existing FSI/FAR norms as per Coastal Regulation Zone Notification, 2011.
  11. The Project Proponent shall provide car parking exclusively for the visiting guest in the proposed residential apartments as per CMDA norms.
  12. The project proponent shall ensure the level of basement shall be above maximum flood level.
  13. The proponent shall prepare completion plans showing Separate pipelines marked with different colours with the following details
    - i. Location of STP, compost system, underground sewer line.
    - ii. Pipe Line conveying the treated effluent for green belt development.

  
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- iii. Pipe Line conveying the treated effluent for toilet flushing
  - iv. Water supply pipeline
  - v. Gas supply pipe line, if proposed
  - vi. Telephone cable
  - vii. Power cable
  - viii. Storm water drains, and
  - ix. Rain water harvesting system, etc., and it shall be made available to the owners
14. A First Aid Room shall be provided in the project site during the entire construction and operation phases of the project.
  15. The present land use surrounding the project site shall not be disturbed at any point of time.
  16. The green belt area shall be planted with indigenous native trees.
  17. Natural vegetation listed particularly the trees shall not be removed during the construction/operation phase. In case any trees are likely to be disturbed, shall be replanted.
  18. During the construction and operation phase, there should be no disturbance to the aquatic eco-system within and outside the area.
  19. The Provisions of Forest conservation Act 1980, Wild Life Protection Act 1972 & Bio diversity Act 2002 should not be violated.
  20. There should be Fire fighting plan and all required safety plan.
  21. Regular fire drills should be held to create awareness among owners/ residents.

**Part - C - Specific Conditions – Construction phase:**

**1. Construction Schedule:**

- i) The Project proponent shall have to furnish the probable date of commissioning of the project supported with necessary bar charts to SEIAA-TN.

**2. Labour Welfare:**

- i) All the labourers to be engaged for construction should be screened for health and adequately treated before and during their employment on the work at the site.

  
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- ii) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contradictions due to exposure to dust and take corrective measures, if needed.
- iii) Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly. The workers shall be provided with personnel protective measures such as masks, gloves, boots etc.

### **3. Water Supply:**

- i) The entire water requirement during construction phase may be met from ground water source from the source with approval of the PWD Department of water resources/ may be out sourced.
- ii) Provision shall be made for the housing labour within the site with all necessary infrastructures and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iii) Adequate drinking water and sanitary facilities should be provided for construction workers at the site. The treatment and disposal of waste water shall be through dispersion trench after treatment through septic tank. The MSW generated shall be disposed through Local Body and the identified dumpsite only.
- iv) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices prevalent.
- v) Fixtures for showers, toilet flushing and drinking water should be of low flow type by adopting the use of aerators / pressure reducing devices / sensor based control.

### **4. Solid Waste Management:**

  
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- i) In the solid waste management plan, the STP sludge management plan for direct use as manure for gardens is not acceptable; it must be co-composted with biodegradables.
- ii) House hold hazardous waste such as batteries, small electronics, CFL bulbs, expired medicines and used cleaning solvent bottles should be segregated at source, collected once in a month from residences and disposed as per the SWM rules 2016.
- iii) Domestic solid wastes to be regularly collected in bins or waste handling receptacles and disposed as per the solid waste management rules 2016.
- iv) No waste of any type to be disposed of in any watercourse including drains, canals and the surrounding environment.
- v) E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016 and subsequent amendment.

**5. Top Soil Management:**

- i) All the top soil excavated during construction activities should be stored for use in horticulture/ landscape development within the project site.

**6. Construction Debris disposal:**

- i) Disposal of construction debris during construction phase should not create any adverse effect on the neighboring communities and be disposed off only in approved sites, with the approval of Competent Authority with necessary precautions for general safety and health aspects of the people. The construction and demolition waste shall be managed as per Construction & Demolition Waste Management Rules, 2016.
- ii) Construction spoils, including bituminous materials and other hazardous materials, must not be allowed to contaminate watercourses. The dump sites for such materials must be secured so that they should not leach into the adjacent land/ lake/ stream etc.

**7. Diesel Generator sets:**

- i) Low Sulphur Diesel shall be used for operating diesel generator sets to be used during construction phase. The air and noise emission shall

  
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conform to the standards prescribed in the Rules under the Environment (Protection) Act, 1986, and the Rules framed thereon.

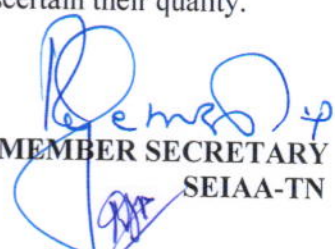
- ii) The diesel required for operating stand by DG sets shall be stored in underground tanks fulfilling the safety norms and if required, clearance from Chief Controller of Explosives shall be taken.
- iii) The acoustic enclosures shall be installed at all noise generating equipments such as DG sets, air conditioning systems, cooling water tower etc.

**8. Air & Noise Pollution Control:**

- i) Vehicles hired for bringing construction materials to the site should be in good condition and should conform to air and noise emission standards, prescribed by TNPCB/CPCB. The vehicles should be operated only during non-peak hours.
- ii) Ambient air and noise levels should conform to residential standards prescribed by the TNPCB, both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during the construction phase. The pollution abatement measures shall be strictly implemented.
- iii) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site shall be avoided. Parking shall be fully internalized and no public space should be utilized. Parking plan to be as per DTCP norms. The traffic department shall be consulted and any cost effective traffic regulative facility shall be met before commissioning.
- iv) The buildings should have adequate distance between them to allow free movement of fresh air and passage of natural light, air and ventilation.

**9. Building material:**

- i) Fly-ash blocks should be used as building material in the construction as per the provision of Fly ash Notification of September, 1999 and amended as on 27th August, 2003 and Notification No. S.O. 2807 (E) dated: 03.11.2009.
- ii) Ready-mix concrete shall alone be used in building construction and necessary cube-tests should be conducted to ascertain their quality.

  
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- iii) Use of glass shall be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, high quality double glass with special reflecting coating shall be used in windows.

**10. Storm Water Drainage:**

- i) Storm water management around the site and on site shall be established by following the guidelines laid down by the storm water manual.
- ii) Storm water management plan shall be obtained by engaging the services of Anna University/IIT.

**11. Energy Conservation Measures:**

- i) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material, to fulfill the requirement.
- ii) Opaque wall should meet prescribed requirement as per Energy Conservation Building Code which is mandatory for all air conditioned spaces by use of appropriate thermal insulation material to fulfill the requirement.
- iii) All norms of Energy Conservation Building Code (ECBC) and National Building Code, 2005 as energy conservation have to be adopted Solar lights shall be provided for illumination of common areas.
- iv) Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting. A hybrids system or fully solar system for a portion of the apartments shall be provided.
- v) A report on the energy conservation measures conforming to energy conservation norms prescribed by the Bureau of Energy Efficiency shall be prepared incorporating details about building materials & technology; R & U factors etc and submitted to the SEIAA in three month's time.
- vi) Energy conservation measures like installation of CFLs/TFLs for lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning.

**12. Fire Safety:**

- i) Adequate fire protection equipments and rescue arrangements should be made as per the prescribed standards.

  
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- ii) Proper and free approach road for fire-fighting vehicles upto the buildings and for rescue operations in the event of emergency shall be made.

**13. Green Belt Development:**

- i) The Project Proponent shall plant tree species with large potential for carbon capture in the proposed green belt area based on the recommendation of the Forest department well before the project is completed.
- ii) The purpose of Green belt around the project is to capture the fugitive emissions and to attenuate the noise generated, in addition to the improvement in the aesthetics. A wide range of indigenous plants species should be planted in and around the premise in consultation with the DFO, District / State Agriculture University. The plants species should have thick canopy cover, perennial green nature, native origin and large leaf areas. Medium size trees and small trees alternating with shrubs shall be planted. Miyawaki method of planting i.e. planting different types of trees at very close intervals may be tried which will give a good green cover. The proponent shall earmark the greenbelt area with CPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner and the same shall be included in the layout out plan to be submitted for CMDA/DTCP approval. The total green belt area should be minimum 15% of the total area and the same shall not be used for car parking/OSR.
- iii) The proponent shall develop the green belt as per the plan furnished and area earmarked for the greenbelt shall not be alter at any point of time for any other purpose.
- iv) The proponent has to earmark the greenbelt area with dimension and GPS coordinates for the green belt area and the same shall be included in the layout out plan to be submitted for DTCP approval.

**14. Sewage Treatment Plant:**

- i) The Sewage Treatment Plant (STP) installed should be certified by an independent expert/ reputed Academic institutions for its adequacy and a

  
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report in this regard should be submitted to the SEIAA, TN before the project is commissioned for operation. Explore the less power consuming systems viz baffle reactor, etc., for the treatment of sewage.

- ii) The Proponent shall install STP as furnished. Any alteration to satisfy the bathing quality shall be informed to SEIAA-TN.
- iii) The project proponent shall operate and maintain the Sewage treatment Plant effectively to meet out the standards prescribed by the CPCB.
- iv) The project proponent shall continuously operate and maintain the Sewage treatment plant to achieve the standards prescribed by the CPCB.
- v) The project proponent has to ensure the complete recycling of treated sewage after achieving the standards prescribed by the CPCB.
- vi) The project proponent has to provide separate standby D.G set for the STP for the continuous operation of the STP in case of power failure.

**15. Rain Water Harvesting:**

- i) The proponent shall ensure that roof rain water collected from the covered roof of the buildings, etc shall be harvested so as to ensure the maximum beneficiation of rain water harvesting by constructing adequate sumps so that 100% of the harvested water shall be reused.
- ii) Rain water harvesting for surface run-off, as per plan submitted should be implemented. Before recharging the surface run off, pre-treatment with screens, settlers etc. must be done to remove suspended matter, oil and grease, etc.
- iii) The project activity should not cause any disturbance & deterioration of the local bio diversity.

**16. Building Safety:**

Lightning arrester shall be properly designed and installed at top of the building and where ever is necessary.

**Part – D - Specific Conditions – Operational Phase/Post constructional phase/Entire life of the project:**

1. There should be Fire fighting plan and all required safety plan.
2. Regular fire drills should be held to create awareness among owners/ residents.

  
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3. House hold hazardous waste such as batteries, small electronics, CFL bulbs, expired medicines and used cleaning solvent bottles should be segregated at source, collected once in a month from residences and disposed as per the SWM rules 2016.
4. The building should not spoil the green views and aesthetics of surroundings and should provide enough clean air space.
5. The project proponent has to furnish the certificate stating that the proposed site had not encroached any water body (rivers, canals, lakes, ponds, tanks, etc) from its original boundary shall be obtained from the competent authority before obtaining CTE from TNPCB.
6. The project proponent shall obtain the necessary permission for drawl of ground water / surface water required for the project from the competent authority.
7. Solar energy saving shall be increased to atleast 10% of total energy utilization.
8. 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.
9. 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.
10. The EMP cost shall be printed in the Brochure / Pamphlet for the preparation of the sale of the property and should also mention the component involved.
11. The Project proponent shall get due permission from the wetland Authority before the commencement of the work, if applicable.
12. The project activities should in no way disturb the manmade structures.

  
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13. The Proponent shall do afforestation/ restoration programme contemplated to strengthen the open spaces shall preferably include native species along with the financial forecast for planting and maintenance for 5 years.
14. "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.
15. Raw water quality to be checked for portability and if necessary RO plant shall be provided.
16. The Proponent ensure the proper maintenance of common facilities including greening, rain water harvesting, storm water disposal, sewage treatment and disposal, solid waste disposal and environmental monitoring for the industrial park premises and for the industries to be in-housed for the entire period.
17. The ground water level and its quality should be monitored and recorded regularly in consultation with Ground Water Authority.
18. Treated effluent emanating from STP shall be recycled / reused to the maximum extent possible. The treated sewage shall conform to the norms and standards for bathing quality laid down by CPCB irrespective of any use. Necessary measures should be made to mitigate the odour and mosquito problem from STP.
19. The Proponent shall ensure operation of STP continuously by providing stand by DG set in case of power failure.
20. Adequate measures should be taken to prevent odour emanating from solid waste processing plant and STP.
21. 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.
22. Diesel power generating sets proposed as source of back-up power during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets.
23. The noise level shall be maintained as per MoEF/CPCB/TNPCB guidelines/norms both during day and night time.

  
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24. Spent oil from D.G sets should be stored in HDPE drums in an isolated covered facility and disposed as per the Hazardous & other Wastes (Management & Transboundary Movement) Rules 2016. Spent oil from D.G sets should be disposed off through registered recyclers.
25. The proponent is required to provide a house hold hazardous waste / E-waste collection and disposal mechanism.
26. The proponent ensure that storm water drain provided at the project site shall be maintained without choking or without causing stagnation and should also ensure that the storm water shall be properly disposed off in the natural drainage / channels without disrupting the adjacent public. Adequate harvesting of the storm water should also be ensured.
27. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.
28. A copy of the Environmental clearance (EC) letter shall be made available to all the allottees along with the allotment order / sale deed.
29. 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.

  
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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 110032.
3. The Member Secretary, Tamil Nadu Pollution Control Board, 76, Mount Salai, Guindy, Chennai-600 032.
4. The APCCF (C), Integrated Regional Office, Ministry of Environment & Forest (SEZ), Chennai - 34.

5. Monitoring Cell, I A Division, Ministry of Environment & Forests, Paryavaran Bhavan, CGO Complex, New Delhi 110003.
6. The District Collector, Kanchipuram District
7. Stock File.

