



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 Lakshmpathy 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/75113/2021 dated 13 Apr 2022. The particulars of the environmental clearance granted to the project are as below.

- | | |
|--|--|
| 1. EC Identification No. | EC22B039TN138224 |
| 2. File No. | 8344 |
| 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 SIPCOT Industrial Park-Theni over an extent of 189.39 Ha (467.97 Acres) |
| 7. Name of Company/Organization | STATE INDUSTRIES PROMOTION CORPORATION OF TAMILNADU LIMITED (SIPCOT) |
| 8. Location of Project | Tamil Nadu |
| 9. TOR Date | 05 Jul 2021 |

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

Date: 21/09/2022

(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.

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and Virtuous Environmental Single-Window Hub)





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 - 600 015.
Phone No. 044-24359973
Fax No. 044-24359975

ENVIRONMENTAL CLEARANCE (EC)

Letter No. SEIAA-TN/F.No.8344/EC/8(b)/866/2022 dated:25.08.2022

Sir/Madam,

Sub: SEIAA, TN - Environmental Clearance - Proposed Development of Industrial Park over an extent of 189.39 Ha (467.97 Acres) at S.F. Nos. 10/1, 57/1, 58, 59, 60/1, 60/2, 61/1, 63/2, 64/1, 64/2, 64/3, 65/1, 65/2, 66/1, 66/2, 66/3, 66/4, 67/1, 67/2, 68/1 of Thappukundu Village, S.F.Nos. 1/1, 2/2, 3/1, 3/2, 3/3, 3/4, 3/5, 4, 5/1, 5/2, 5/3, 5/4, 5/5, 6/1, 6/2, 6/3, 6/4, 17/1, 17/3, 19/3, 20, 21, 22/1, 22/2, 23/1, 24, 25/1, 25/2, 25/3, 25/4, 29/1, 29/2, 30/1, 30/2, 31/1, 31/2, 31/3, 31/4, 32/1, 32/2, 33/1, 31/5, 33/3, 33/4, 42/1, 42/2, 42/3, 42/4, 42/5, 42/6, 43/1, 43/2, 43/3 of Poomalaikundu Village & S.F.Nos. 52, 72/1, 72/2, 73/2, 72/3, 73/1, 73/3, 74/1, 74/2, 74/3, 75/1, 75/2, 76, 77, 78, 79/1, 79/2, 79/3, 80/1, 80/2, 81/1, 81/2, 82, 83/1, 85/2, 85/3, 86/2, 726/3, 727, 728 of Upparpatti Village, Theni Taluk, Theni District, Tamil Nadu under Schedule B - 8(b)-Townships and Area Development Projects - for Environmental Clearance by M/s. State Industries Promotion Corporation of Tamilnadu Limited (SIPCOT) as per the EIA Notification 2006 as Amended- Issued - Regarding.

- Ref: 1. TOR vide Lr No. Lr No.SEIAA-TN/F.No. 8344/ SEAC/8(b)/ToR-987/2021 dated:05.07.2021
2. Online Proposal No. SIA/TN/MIS/75113/2021, dated: 13.04.2022
3. Your application for Environmental Clearance dated: 20.04.2022
4. Minutes of the 299th meeting of SEAC held on 23.07.2022
5. Minutes of the 544th meeting of Authority held on 25.08.2022


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This has reference to your application 2nd & 3rd cited, for the Proposed Development of Industrial Park by M/s. State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT) under 8(b) Township And Area Development Projects as per the EIA Notification 2006 as Amended.

The Competent Authority and Authorized Signatory furnished the detailed information in Form I, Form 1A, Conceptual plan and liquidate enclosures are as Annexures:

Annexure I

S. No	Description	Details		
1.	Name of the Project	State Industries Promotion Corporation of Tamilnadu Limited (SIPCOT) SIPCOT Limited Tamil Nadu under Sl.No. 8 (b) of the Schedule.		
2.	Location	S.F.No.10/1, 57/1, 58, 59, 60/1, 60/2, 61/1, 63/2, 64/1, 64/2, 64/3, 65/1, 65/2, 66/1, 66/2, 66/3, 66/4, 67/1, 67/2, 68/1 of Thappukundu Village, S.F.Nos.1/1, 2/2, 3/1, 3/2, 3/3, 3/4, 3/5, 4, 5/1, 5/2, 5/3, 5/4, 5/5, 6/1, 6/2, 6/3, 6/4, 17/1, 17/3, 19/3, 20, 21, 22/1, 22/2, 23/1, 24, 25/1, 25/2, 25/3, 25/4, 29/1, 29/2, 30/1, 30/2, 31/1, 31/2, 31/3, 31/4, 32/1, 32/2, 33/1, 31/5, 33/3, 33/4, 42/1, 42/2, 42/3, 42/4, 42/5, 42/6, 43/1, 43/2, 43/3 of Poomalaikundu Village & S.F.Nos. 52, 72/1, 72/2, 73/2, 72/3, 73/1, 73/3, 74/1, 74/2, 74/3, 75/1, 75/2, 76, 77, 78, 79/1, 79/2, 79/3, 80/1, 80/2, 81/1, 81/2, 82, 83/1, 85/2, 85/3, 86/2, 726/3, 727, 728 of Upparpatti Village, Theni Taluk, Theni District, Tamil Nadu		
3.	Type of Project	Townships and area development Projects Schedule 8 (b): >1,50,000 sq.		
4.	Total Plot Area : 189.39 Ha (467.977 Acres)			
Area break up		Acres	Ha	%
Plot area		279.62	113.15	60.76
Common amenities (Project office, Health centre, Fire station, training centre etc)		6.16	2.49	1.34
Commercial activities (shops, bank, STM, Food court, restaurant etc.)		14.19	5.74	3.08
Utility (EB, water supply, water		12.37	5.01	2.69

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treatment plant etc.)			
Solid waste Management area	4.11	1.67	0.89
Logistics/ Parking	12.95	5.24	2.82
OSR (10% after deduction of road area 460.19-66.92 =393.27 x10% =39.33 Acres)	39.33	15.92	8.55
Green belt in other areas	22.79	9.23	4.95
Road, Storm water drain	66.92	27.08	14.54
Industrial Housing	1.75	0.71	0.38
Total Developable area	460.19	186.24	100
Existing cartrack	0.73	0.30	
Water body (as per revenue records)	2.43	0.98	
HT line (22 m ROW -110 kV)	4.62	1.87	
Total	467.97	189.39	

*Industries will be mandated to provide 33% of green belt within their premises. Total green belt proposed for Industrial Park is 62.48 Ha (33.55 %) of Developable area of 186.24 Ha.

5. Brief description of the project	1. The Industrial Park is envisaged to accommodate the following industries which do not fall under "A" & "B" category as per EIA notification 2006 and amendments thereof. Type of industries proposed are given below	
	Industry Type	Approximate % of plotted area
	Food Industries- Baked goods and fruit based Pulp, paste, jam, Dhal processing, milk chilling, dry fruit & cardamom processing, baked food products, coffee processing etc.	43
	Textile – Readymade garments and apparel manufacturing RMG, surgical cotton, buildtech, seri culture, banana silk etc.	24
	Engineering - Metal Fabrication industries etc.	3
	Mineral products - cutting and polishing of marble stones, Emery powder manufacturing, Granite	5


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		processing, ceramic etc.																					
		Other non EC category industries – MSME support industries such as auto components & machinery, packaging industries, rubber products like mats & gloves, bio fertilizers, etc.	25																				
		Industrial Housing (1.75 acres) 3 Blocks of stilt+16 floors of 96 nos of 2BHK units are proposed. Total builtup area proposed is 15140Sq.m. total no of residents 480	Housing area is separated from Industrial plots																				
		Total	100																				
6.	Cost of Project	Rs.469.18 Crores																					
7.	<p>a) Water requirement:</p> <p>Construction phase: 60 kLD</p> <p><u>Operation phase:</u></p> <p>Total water requirement: 4218 kLD from TWAD Board (Mullaiperiyar River)</p> <p>Fresh water: 2576 kLD</p> <p>Recycled water: 1642 kLD (Treated Effluent: 850 kLD and Treated Sewage: 792 kLD)</p> <table border="1"> <thead> <tr> <th>Water Usage</th> <th>Fresh water (KLD)</th> <th>Recycled water (KLD)</th> <th>Total water(KLD)</th> </tr> </thead> <tbody> <tr> <td>Domestic</td> <td>854</td> <td>22</td> <td>876</td> </tr> <tr> <td>Process& utilities</td> <td>305</td> <td>850</td> <td>1155</td> </tr> <tr> <td>Green belt development</td> <td>1417</td> <td>770</td> <td>2187</td> </tr> <tr> <td>Total</td> <td>2576</td> <td>1642</td> <td>4218</td> </tr> </tbody> </table> <p>b) Source TWAD Board (Mullaiperiyar River)</p>			Water Usage	Fresh water (KLD)	Recycled water (KLD)	Total water(KLD)	Domestic	854	22	876	Process& utilities	305	850	1155	Green belt development	1417	770	2187	Total	2576	1642	4218
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8.	<p>Waste Water management :</p> <table border="1"> <tr> <td>Sewage from industries</td> <td>730</td> <td>Will be treated by individual industries and reused for flushing green belt development.</td> </tr> </table>			Sewage from industries	730	Will be treated by individual industries and reused for flushing green belt development.																	
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	sewage from industrial housing	62	Will be treated in STP of 70 KLD and treated sewage will be used for flushing within the housing and excess will be sent for green belt development within the Industrial Park.
	Effluent from individual industries	860	Will be treated by individual industries and reused for process and utilities. ZLD will be maintained by individual industries.
9.	Solid Waste Generation and Management		
	Component	Operation phase(Kg/day)	Disposal Method
	MSW Organic waste	4899	Individual industries will segregate the waste and organic waste will be composted and used as manure for green belt development. Upon allotment of all the industries within IP, 4.11 Acres of land will be allotted to the contractor selected through tendering process for the establishment of Solid waste management facility on PPP basis. The compost will be used as manure for green belt development and Inorganic waste will be sold to TNPCB authorized recyclers/local vendors.
	MSW Inorganic waste	3266	Inorganic waste will be sold to TNPCB authorized recyclers/local vendors by individual industries.
	For Industrial Housing		
	Organic waste	136	Organic waste will be composted in Organic Waste Converter and the compost will be used as manure for green belt development.
	Inorganic waste	91	Inorganic waste will be sold to TNPCB authorized recyclers/local vendors
10.	Power requirement	21 MVA from TANGEDCO	
11.	Manpower (Nos)	Construction phase: 150nos Operation phase: 19514nos	

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12.	Details of Green Belt Area		
	Green belt break up	Area (Acres)	Area (Ha)
			Area (%)
	OSR Area (15 m along periphery of site and 10m along water body)	39.33	15.92
	33% green belt in industrial plots	92.27	37.34
	Green belt in other areas	22.79	9.22
	Total	154.39	62.48
			33.55
13.	EMP Cost	Capital Cost- Rs. 26.54 Crores Recurring Cost: Rs.39 Lakhs	
14.	CER cost	Rs. 2 Crores	

AFFIDAVIT

- I. I, Tmt. E.Sundaravalli, 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 the proposed "Development of Industrial Park over an extent of 189.39 Ha (467.97 Acres) at Thappakundu Village (SF.Nos.-10/1, 57/1, 58, 59, 60/1, 60/2, 61/1, 63/2, 64/1, 64/2, 64/3, 65/1, 65/2, 66/1, 66/2, 66/3, 66/4, 67/1, 67/2, 68/1), Poomalaikundu Village (SF.Nos.-1/1, 2/2, 3/1, 3/2, 3/3, 3/4, 3/5, 4, 5/1, 5/2, 5/3, 5/4, 5/5, 6/1, 6/2, 6/3, 6/4, 17/1, 17/3, 19/3, 20, 21, 22/1, 22/2, 23/1, 24, 25/1, 25/2, 25/3, 25/4, 29/1, 29/2, 30/1, 30/2, 31/1, 31/2, 31/3, 31/4, 32/1, 32/2, 33/1, 31/5, 33/3, 33/4, 42/1, 42/2, 42/3, 42/4, 42/5, 42/6, 43/1, 43/2, 43/3) and Upparpatti Village (SF.Nos.-52, 72/1, 72/2, 73/2, 72/3, 73/1, 73/3, 74/1, 74/2, 74/3, 75/1, 75/2, 76, 77, 78, 79/1, 79/2, 79/3, 80/1, 80/2, 81/1, 81/2, 82, 83/1, 85/2, 85/3, 86/2, 726/3, 727, 728) of Theni Taluk, Theni District of Tamil Nadu, hereby take oath and state as under in this affidavit:
- II. The total water requirement of the park is estimated at 4218 KLD (Fresh water: 2576 KLD and Recycled water: 1642 KLD). Fresh water requirement for the Industrial Park is proposed to be sourced through TWAD Board from Mullai Periyar River.
- III. Power Supply (21 MVA) will be ensured from Tamil Nadu Generation and Distribution Co. Ltd. (TANGEDCO) Facility as a common supply system by SIPCOT to all member


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industries. The Individual industries will avail power supply from TANGEDCO and may have backup DG sets as per their requirement.

- IV. 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.
- V. 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.
- VI. 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 4.11 Acres of land for Solid Waste Management Facility.
- VII. All member industries will be mandated to store and dispose the hazardous waste generated within their premises as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- VIII. Individual industries will be mandated to provide STP/ETP with adequate capacity and maintain Zero Liquid Discharge (ZLD) system.
- IX. Overall Greenbelt area of the park would be 62.48Ha (i.e.33.55% of developable area i.e., 186.24Ha).
- X. EMP cost of the park is INR 26.54 Crores. Details are given below:

Sl.No	Project Components	Capital Cost (Rs. in Crores)	Recurring Cost /year (Rs in Lakhs)
1	Storm Water drains, culverts & rainwater harvesting pits	18.68	5.0
2	Health centre	1.46	10
3	Green Belt Development	3.8	3.5
4	Solid Waste Management	2.0	2.5


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5	Environmental Monitoring during Construction Phase	0	3
6	STP for Industrial Housing (70 KLD)	0.5	10
7	Stack for Industrial Housing DG set	0.1	5
	Total EMP Cost	26.54	39

- XI. As per Minutes of 282nd SEAC meeting, we commit to spend Rs.1 crore each (total Rs.2 crores) to Wildlife Sanctuary, Megamalai and Wildlife Sanctuary, Theni towards CER activities through Forest Department to carry out appropriate conservation measures, like the creation of water holes, planting of trees and shrubs that provide forage to Wild Animals.

SEAC Recommendations:

The proposal was placed in the 299th Meeting of SEAC held on 23.07.2022. The details of the project furnished by the proponent are available on the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The project/activity is covered under Category "B1" of Item 8(b) "Township and Area Development Projects)" of the Schedule to the EIA Notification, 2006.
2. Terms of Reference were issued to the said project vide Lr.No.SEIAA-TN/F.No.8344/SEAC/8(b)/ToR-987/2021 dated 05.07.2021.

Based on the presentation and documents furnished by the project proponent, SEAC noted as follows:

1. ToR was issued inclusive of S.F.Nos. 4/1 of Poomalaikundu Village, whereas the project proponent now applied for the entire S.F.Nos. 4 of Poomalaikundu Village. It was informed by PP that the development of the industrial park is inclusive of the entire S.F.Nos. 4, which was mentioned S.F.Nos. 4/1 instead of S.F.No.4 in the ToR application and ToR was issued. Apart from that, there is no change in the total extent of the area of the proposed industrial park.

2. The PP has informed that a letter dated 18.05.2022 has been addressed by Chinnamanur Forest Office, Chinnamanur, Theni District to Assistant Director, SrivilliputhurMegamalai Tiger Reserve, Megamalai, Theni , for the estimation for removal of trees in the project proposed area & another letter dated 27.07.2021 from Chinnamanur Forest Office, Chinnamanur, Theni District to Megamalai wildlife sanctuary, Theni.
3. It was reported that Neem – 123 Nos, Saali Tree – 13,850 Nos, Usil tree – 527 Nos, Vaagai Tree – 329 Nos & Melgira – 246 Nos, totally 15174 Nos. of trees present in the site. Out of 15174 trees, approximately 380 trees will be removed during the laying of road for the Industrial park. To compensate for the loss 380 trees, additional, 3800 no. of trees will be planted in the green belt area proposed for the project. No. of trees proposed in green belt area of 62.48 ha =93,720, apart from this, 3800 trees will also be planted to compensate the loss of trees cut for road laying. Overall trees proposed are 97,520 Nos of trees.

After detailed deliberations, SEAC decided **to recommend the proposal for the grant of Environmental Clearance** subject to the following specific conditions, in addition to normal conditions stipulated by MOEF &CC:

1. The water body such as odai present in the proposed site shall be maintained properly.
2. The Project proponent shall obtain the necessary permission from the competent Authority for utilization of OSR area for green belt development before applying CTO from TNPCB.
3. The project proponent shall obtain the necessary permission from competent Authority for the drawal of water from Mullai Periyar River before applying CTO from TNPCB.
4. The Proponent shall ensure that **no** schedule A & B industries as per EIA Notification 2006, shall be allowed in the industrial Park as committed.
5. Individual industries shall be advised to retain the trees if possible. In case of removal of trees, the industries shall be required to plant 10 trees for every tree that is cut.
4. The project proponent shall ensure that the individual industries to be housed in the SIPCOT to achieve ZLD.
5. The height of the stacks of DG sets shall be provided as per the CPCB norms.
6. 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.


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7. 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.
8. 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. 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,
9. The project proponent shall provide entry and exit points for the OSR area as per the norms for the public usage and as committed.
10. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
11. The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016, as amended for the generation of Hazardous waste within the premises.
12. No waste of any type to be disposed of in any other way other than the approved one.
13. The Proponent shall ensure that all the units provide dispenser for the disposal of sanitary napkins,
14. 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.
15. 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.
16. 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.

17. Solar energy should be at least 20% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.
18. 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.
19. As accepted, the PP shall remit Rs 1 crore each (total Rs. 2 crores) to Wild Life Sanctuary, Megamalai and Wildlife Sanctuary, Theni, to carry out appropriate conservation measures, like the creation of water holes, planting of trees and shrubs that provide forage to wild animals.

Appendix - I
List of Native Trees Suggested for Planting

No	Scientific Name	Tamil Name	Tamil Name
1	<i>Aegle marmelos</i>	Vilvam	விவம்
2	<i>Adenaanthera pavonina</i>	Manjadi	மஞ்சரி, ஆனாக்கு, மறுமணி
3	<i>Albizia lebbek</i>	Vaagai	வாளை
4	<i>Albizia amara</i>	Uzai	உசை
5	<i>Bauhinia purpurea</i>	Mantharai	மந்தாரை
6	<i>Bauhinia racemosa</i>	Aathi	ஆத்தி
7	<i>Bauhinia tomentosa</i>	Iruvathu	இருவாத்தி
8	<i>Buchanania axillaris</i>	Kattunna	கட்டூர்
9	<i>Borassus flabellifer</i>	Parai	பனை
10	<i>Butea monosperma</i>	Murukkamarai	முருக்கமரம்
11	<i>Bobax ceiba</i>	Bavu, Sevvilavu	இலவு
12	<i>Catophyllum inophyllum</i>	Pururai	புறரை
13	<i>Cassia fistula</i>	Sarakondrai	சரகொண்டரை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கொண்டரை
15	<i>Chloroxylon sweetenia</i>	Purasamaram	புரசமரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Manjallavu	கொங்கு, மஞ்சள் இலவு
17	<i>Cordia dichotoma</i>	Naruvuli	நருவூர்
18	<i>Creteva adamsi</i>	Mavalungum	மாலைவங்கம்
19	<i>Dillema indica</i>	Uva, Uzha	உசை
20	<i>Dillema pentagyna</i>	SuruUva, Sitruvaha	சீறு உசை
21	<i>Diospyro sebenu</i>	Karungali	கருங்காலை
22	<i>Diospyro schloroxylon</i>	Vaganai	வாகளை
23	<i>Ficus amplissima</i>	Kallitai	கலை இசை
24	<i>Hibiscus tiliaceus</i>	Aatrupoovarasu	ஆறுநாடிவரசு
25	<i>Hardwickia binata</i>	Aacha	ஆச்சை
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயில் மரம், ஆயில்
27	<i>Lansea coromandelica</i>	Odhuan	ஒதியம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottainaram	நெய் கொட்டை மரம்
30	<i>Limonia acidissima</i>	Vila maram	வில்லி மரம்
31	<i>Litsea glutinos</i>	Pizupattai	பிழம்பை பிச்சுபட்டை
32	<i>Madhuca longifolia</i>	Illuppai	இலுப்பை
33	<i>Manilkara hexandra</i>	UlakkaiPaalai	உலகளை பனை
34	<i>Mimusops elengi</i>	Magizhamaram	மாழிமரம்
35	<i>Mitragyna parvifolia</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nura	நுரை
37	<i>Morinda citrifolia</i>	Vellai Nura	வெள்ளை நுரை
38	<i>Phoenix sylvestris</i>	Eschai	ஏச்சை
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்

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40	<i>Premna mollissima</i>	Munnai	முன்னை
41	<i>Premna serratifolia</i>	Narumunai	நெடு முன்னை
42	<i>Premna tomentosa</i>	Malapocaram	மலை முச்சை
43	<i>Prosopis cinerea</i>	Vanni maram	வாணி மரம்
44	<i>Pterocarpus marsupium</i>	Vengai	வேங்கை
45	<i>Pterospermum cinerascens</i>	Vennangu, Tada	வேண்டாங்கு
46	<i>Pterospermum xylocarpum</i>	Polavu	முல்லை
47	<i>Putranjiva rasburghii</i>	Karpala	கர்பலா
48	<i>Salvadora persica</i>	Ugai Maram	உகை மரம்
49	<i>Sapindus marginatus</i>	Manipungar, Soapukai	மாண்புமார சோபுகை
50	<i>Saraca asoca</i>	Asoca	அசோகா
51	<i>Strobilus asper</i>	Piray maram	பிரைய மரம்
52	<i>Strychnos nuxvomica</i>	Yethi	யேதி
53	<i>Strychnos potatorum</i>	Therthang Kottai	தேர்தாங்கு கோட்டை
54	<i>Sycyppium cumini</i>	Naval	நாவல்
55	<i>Terminalia belleric</i>	Thandri	தாந்திரி
56	<i>Terminalia arjuna</i>	Ven marudhu	வேண்டாமரம்
57	<i>Toona ciliata</i>	Sandhana vembu	சாந்தாண வம்பு
58	<i>Theopsona populnea</i>	Puvarasu	முல்லை
59	<i>Walsuratrifoliata</i>	valsura	வால்சூரா
60	<i>Wrightia tinctoria</i>	Veppala	வேப்பலா
61	<i>Pithecolobium dulce</i>	Kodukkapuli	கோடுக்கப்பூசி

SEIAA Recommendations:

The proposal was placed in the 544th Authority meeting held on 25.08.2022. The Authority after detailed discussions accepted the recommendation of SEAC and decided to grant Environmental Clearance subject to the conditions as recommended by SEAC & normal conditions in addition to the following conditions:

1. The project proponent shall start establishment only after complete alienation of Patta lands, Govt. Poramboke lands & water bodies within the proposed site in concurrence with the competent authority before obtaining consent from TNPCB.
2. The project proponent shall obtain necessary permission for water bodies within/around the proposed site from the Competent Authority before obtaining CTE from TNPCB.
3. The project proponent shall obtain and maintain valid permission all time for supply of fresh water as committed.
4. The project proponent shall ensure that non - EIA attracting Industries to be in-housed shall treat the effluent generated by providing adequate individual 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 as committed.
6. The project proponent shall ensure that non - EIA attracting Industries to be in-housed shall provide adequate elevated closed area earmarked for collection, segregation, storage &

disposal of wastes generated within the premises as per provisions of Solid Waste Management Rules, 2016, E-Waste (Management) Rules, 2016, Plastic Waste Management Rules, 2016 as amended, Bio-Medical Waste Management Rules, 2016 as amended, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 as amended, Construction and Demolition Waste Management Rules, 2016, & Batteries (Management and Handling) Rules, 2001.

7. 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.
8. The project proponent and the industries shall provide 33% green belt area excluding the OSR area.
9. Forest department should be consulted during plantation and cutting of trees.
10. 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.
11. The project proponent and the non - EIA attracting Industries to be in-housed shall provide & ensure that the utilities/ arrangements for fresh water supply, Storm/rain water management, and for reuse of treated sewage/effluent as proposed.
12. The project proponent shall provide & maintain adequate storm water management & rain water harvesting structures as committed for the project site.
13. The project proponent shall obtain necessary permission for disposal of excess storm water from the competent authority before obtaining CTO.
14. The project proponent shall ensure that industries to be in-housed shall operate and maintain the proposed 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.
15. The proponent & the Industries to be in-housed shall periodically conduct and submit fire safety study, emergency evacuation plan, risk assessment study, occupational health safety study for the worst case scenario in regard to existing safety measures/standard operating procedures adopted for the process/ equipment/utilities for operation & maintenance and the storage areas of products, raw materials, solvent, fuel, etc. in the different operating


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- zones of the plant at least once in a year to regularly identify safety fragile areas within the plant which requires regular monitoring and the proponent shall submit the same along with timeline for implementation of the said recommendations to the concerned departments.
16. The project proponent & the Industries to be in-housed shall ensure buildings constructed are energy efficient and conform to the green building norms.
 17. The project proponent shall ensure Industries to be in-housed shall adhere to provide adequate parking space for visitors of all inmates including clean traffic plan as committed.
 18. The project proponent shall adhere to the approval obtained for the source of fresh water supply from the competent Authority.
 19. The proponent & the Industries to be in-housed shall strictly adhere to all biosafety standards, hygienic standards and safety norms of working staff and patients to be strictly from time to time as guidance of competent authority.
 20. The proponent & the Industries to be in-housed shall strictly adhere to the disaster management and disaster mitigation measures/standards to avoid any calamities.
 21. The proponent & the Industries to be in-housed shall strictly adhere to the EIA/EMP and disaster management plan.
 22. 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.
 23. 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.
 24. The proponent & the Industries to be in-housed shall ensure proper arrangement & utilization of recycled water.
 25. The proponent & the Industries to be in-housed shall ensure that all trees & biodiversity listed in EIA report to be protected within the premises.
 26. The proponent & the Industries to be in-housed shall ensure that the buildings should not cause any damage to water environment, air quality and should be carbon neutral building.
 27. All the Buildings shall be energy efficient and confirm to the green building norms.
 28. The proponent & the Industries to be in-housed shall ensure almost safety for the existing biodiversity, trees, flora & fauna shall not disturb under any circumstances.

29. The proponent & the Industries to be in-housed shall ensure that the all activities of EMP shall be completed before obtaining CTO from TNPCB.
30. The proponent & the Industries to be in-housed shall ensure that the activities undertaken should not result in carbon emission, and temperature rise, in the area.
31. The proponent & the Industries to be in-housed shall ensure that the buildings and activities should not result in Environmental damages, nor result in temperature rise.
32. The proponent & the Industries to be in-housed shall provide and ensure the green belt plan is implemented as indicated in EMP. Also, the proponent shall explore possibilities to provide sufficient grass lawns.
33. The proponent & the Industries to be in-housed shall ensure to provide the emergency exit in the buildings.
34. The proponent & the Industries to be in-housed shall ensure to provide elevator as per rules CMDA/DTCP.
35. The proponent & the Industries to be in-housed shall ensure to provide adequate capacity of DG set (standby) for the proposed STP so as ensure continues and efficient operation.
36. The proponent & the Industries to be in-housed shall adhere to the provision and norms regard to fire safety prescribed by competent authority.
37. The project proponent & the Industries to be in-housed 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 14th September, 2006 as amended, with validity for Seven years from the date of issue of EC, subject to the compliance of the terms and conditions stipulated below:


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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, ETP, 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 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.
4. 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.
5. 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.
6. A proper record showing compliance of all the conditions of Environmental Clearance shall be maintained and made available at all the times.
7. 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.
8. 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.

9. "Consent for Establishment" shall be obtained from the Tamil Nadu Pollution Control Board and a copy shall be submitted to the SEIAA, Tamil Nadu.
10. 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.
11. 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.
12. The Environmental Clearance shall not be cited for relaxing the other applicable rules to this project.
13. 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.
14. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, Chennai, the respective Zonal Office of CPCB, Bengaluru and the TNPCB. The criteria pollutant levels namely; PM₁₀, PM_{2.5}, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored.
15. 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.
16. 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.


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17. 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.
18. 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.
19. 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.
20. 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.
21. The EMP cost shall be deposited in a nationalized bank by opening separate account and the head wise expenses statement shall be submitted to TNPCCB with a copy to SEIAA annually.
22. The Project Proponent has to provide rain water harvesting pits to recover and reuse the rain water during normal rains as reported.
23. The project activity should not cause any disturbance & deterioration of the local bio diversity.
24. 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.
25. All the assessed flora & fauna should be conserved and protected.
26. 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.
27. Necessary permission shall be obtained from the competent authority for the drawl / outsourcing of fresh water before obtaining consent from TNPCCB.
28. The proponent shall appoint an Environmental Engineer with necessary qualification for the operation and maintenance of STP (Sewage Treatment Plant) and GWTP (grey water Treatment Plant)
29. The Proponent shall provide the dispenser for the disposal of Sanitary Napkins.

30. All the mitigation measures committed by the proponent for the flood management, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.
31. No waste of any type to be disposed of in any watercourse including drains, canals and the surrounding environment.
32. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided.
33. The safety measures proposed in the report should be strictly followed.

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 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 firefighting 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.


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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 entry 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.
 - 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 Firefighting 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 laborers to be engaged for construction should be screened for health and adequately treated before and during their employment on the work at the site.
- 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 private tankers
- 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 devises / sensor based control.


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4. Solid Waste Management:

- 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) 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 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 barrels 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 CMDA 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.
- v) The project proponent should ensure that adequate Air Pollution Control measures shall be provided from buses and other vehicles, which will be entering the bus terminal. Further, water sprinkling system shall be provided and same shall be used at regular interval to control the dust emission within the project site.

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.
- 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.


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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 proponent has to earmark the greenbelt area with dimension and GPS coordinates for the green belt area all along the boundary of the project site with at least 3 meter wide and the same shall be included in the layout out plan to be submitted for CMDA/DTCP approval.
- 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.

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 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 and Effluent 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 and Effluent treatment plant to achieve the standards prescribed by the CPCB.
- v) The project proponent has to ensure the complete recycling of treated Sewage & Effluent water after achieving the standards prescribed by the CPCB.
- vi) The project proponent has to provide separate standby D.G set for the STP/GWTP for the continuous operation of the STP/GWTP 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


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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 Proponent has to provide rain water harvesting pits to recover and reuse the rain water during normal rains as reported.
- i) 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 Firefighting plan and all required safety plan.
2. Regular fire drills should be held to create awareness among owners/ residents.
3. 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. Solar energy saving shall be increased to atleast 10% of total energy utilization.
6. The Project proponent has to spend the CER as committed in the affidavit. The above activity shall be carried out before obtaining CTO from TNPCB.
7. 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
8. 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.
9. The Project proponent shall get due permission from the wetland Authority before the commencement of the work, if applicable.


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10. The Project proponent should discuss with the wet land Authority, Tamil Nadu Forest Department, PWD and support lake restoration cum improvement, awareness and conservation programs.
11. The project activities should in no way disturb the manmade structures.
12. 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.
13. "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.
14. Raw water quality to be checked for portability and if necessary RO plant shall be provided.
15. The Proponent should be responsible for the maintenance of common facilities including greening, rain water harvesting, sewage treatment and disposal, solid waste disposal and environmental monitoring including terrace gardening for a period of 3 years. Within one year after handing over the flats to all allottees a viable society or an association among the allottees shall be formed to take responsibility of continuous maintenance of all facilities with required agreements for compliance of all conditions furnished in Environment Clearance (EC) order issued by the SEIAA-TN or the Proponent himself shall maintain all the above facilities for the entire period. The copy of MOU between the buyers Association and proponent shall be communicated to SEIAA-TN.
16. The ground water level and its quality should be monitored and recorded regularly in consultation with Ground Water Authority.
17. 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.
18. The Proponent shall operate STP continuously by providing stand by DG set in case of power failure.
19. It is the sole responsibility of the proponent that the treated sewage water disposed for green belt development/ avenue plantation should not pollute the soil/ ground water/ adjacent canals/ lakes/ ponds, etc


MEMBER SECRETARY
SEIAA-TN

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.
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 shall 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. 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.
29. The Environmental Clearance is issued based on the documents furnished by the project proponent. In case any documents found to be incorrect/not in order at a later date the Environmental Clearance issued to the project will be deemed to be revoked/ cancelled.

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), Regional Office, Ministry of Environment & Forest (SZ), 34, HEPC Building, 1st & 2nd Floor, Cathedral Garden Road, Nungambakkam, Chennai - 34.
5. Monitoring Cell, I A Division, Ministry of Environment & Forests, Paryavaran Bhavan, CGO Complex, New Delhi - 110003.
6. The District Collector, Theni District.
7. Stock File.