STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of 344th meeting of the State Expert Appraisal Committee (SEAC) held on 06.01.2023 (Friday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects

Agenda No. 344 - 01.
File No.9417 /2022
Proposed Construction of Residential Group Development at Survey Numbers: 162/2, 163/2 of Veerakeralam Village, Perur Taluk, Coimbatore District, Tamilnaduby M/s. Radiance Realty Developers India Limited – For Environmental Clearance. (SIA/TN/MIS/283639/2022) Dt:21.07.2022.

The proposal was placed in the 344th SEAC Meeting held on 06.01.2023. The details of the minutes are available in the website (parivesh.nic. in).

The SEAC noted the following:

1. The Proponent, M/s. Radiance Realty Developers India Limited has applied for Environmental Clearance for the proposed Construction of Residential Group Development at Survey Numbers: 162/2, 163/2 of Veerakeralam Village, Perur Taluk, Coimbatore District, Tamilnadu.
2. The project/activity is covered under category "B2" of Item 8 (a)"Building and Construction" of the schedule to the EIA Notification,2006.
3. Total Plot area proposed – 45082.71Sqm. The total built-up area proposed – 36699.52 Sqm. The project consists of villas – 125 Nos. (G+2Floors), club House – (B+G+1F) & others.

S. No	Description	Details
1.	Name of the Project	Proposed Construction of Residential Group Development by M/s. Radiance Realty Developers India Limited
2.	Location	SF.No: 162/2, 163/2 of Veerakeralam Village, Perur Taluk, Coimbatore District, Tamilnadu
3.	Type of Project	Schedule 8 (a), Category "B2" - Building and Construction Projects

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<table>
<tr><td>4.</td><td>Latitude & Longitude</td><td>Latitude Longitude
11° 0'19.42"N 76°54'6.07"E
11° 0'20.99"N 76°54'13.92"E
11° 0'16.47"N 76°54'5.64"E
11° 0'16.75"N 76°54'6.84"E
11° 0'14.11"N 76°54'6.25"E
11° 0'14.49"N 76°54'8.17"E
11° 0'14.10"N 76°54'8.59"E
11° 0'15.15"N 76°54'14.38"E</td></tr>
<tr><td>5.</td><td>Total Area (in sq. m)</td><td>
<table>
<tr><th>S.No</th><th>Details</th><th>Area (Sqm)</th><th>Percentage (%)</th></tr>
<tr><td rowspan="3">1.</td><td>Total Land Area</td><td>45082.71</td><td rowspan="3">100%</td></tr>
<tr><td>Road area to be gifted</td><td>2532.46</td></tr>
<tr><td>Total land area after road gifting</td><td>42550.25</td></tr>
<tr><td>2.</td><td>Ground coverage area</td><td>15803.40</td><td>37</td></tr>
<tr><td>3.</td><td>Roads and Pavements area</td><td>14404.69</td><td>34</td></tr>
<tr><td>4.</td><td>Solid Waste Disposal and Substation</td><td>488.25</td><td>1</td></tr>
<tr><td>5.</td><td>OSR area</td><td>4257.69</td><td>10</td></tr>
<tr><td>6.</td><td>Green belt development area</td><td>6590.61</td><td>15</td></tr>
<tr><td>7.</td><td>Substation area</td><td>412.24</td><td>1</td></tr>
<tr><td>8.</td><td>Surface parking area</td><td>593.37</td><td>2</td></tr>
</table>
</td></tr>
<tr><td>6.</td><td>Built up area</td><td>Proposed total built-up area – 36699.52Sq.m</td></tr>
<tr><td>7.</td><td>Cost of Project</td><td>Rs. 63.82 Crores</td></tr>
</table>

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8. Built area statement Break-up Details:

Typical Block Name	Floor Name	Total BUA (All blocks / Villas)	Total Non FSI (All blocks / Villas)	Total Residential FSI (All blocks / Villas)	Total Commercial / public FSI (All blocks / Villas)	No of Villas (Individual / Typical)
Block-1 Club House	Floor - BF	468.30		468.30		
	Floor - Ground	724.62	4.82		719.80	
	Floor - 01	692.55	4.82		687.73	
	Total	1885.47	9.64	468.30	1407.53	
Block-2 [Villa 36 to 41]	Floor - Ground	646.56	1.53	645.03		6
	Floor - 01	508.62		508.62		
	Floor - 02	225.00		225.00		
	Total	1380.18	1.53	1378.65		
Block-3 [Villa 27 to 33]	Floor - Ground	755.06	2.07	752.99		7
	Floor - 01	626.01		626.01		
	Floor - 02	287.98		287.98		
	Total	1669.05	2.07	1666.98		
lock-4 [Villa 19 to 25]	Floor - Ground	728.09	1.78	726.31		7
	Floor - 01	567.11		567.11		
	Floor - 02	246.57		246.57		
	Total	1541.77	1.78	1539.99		

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	Block-5 [Villa 73 to 75, Villa 77 & 78]						
	Block-5 [Villa 73 to 75, Villa 77 & 78]	Floor - Ground	496.68	1.13	495.55		5
		Floor - 01	387.75		387.75		
		Floor - 02	202.80		202.80		
		Total	1087.23	1.13	1086.10		
	Block-6 [Villa 81 to 84 & Villa - 79]	Floor - Ground	512.53	1.27	511.26		5
		Floor - 01	397.57		397.57		
		Floor - 02	171.57		171.57		
		Total	1081.67	1.27	1080.40		
	Block-7 [Villa - 87 & 88, Villa - 90 to 92]	Floor - Ground	538.80	1.27	537.53		5
		Floor - 01	423.85		423.85		
		Floor - 02	187.50		187.50		
		Total	1150.15	1.27	1148.88		
	Block-8 [Villa 93 & 95]	Floor - Ground	215.52	0.51	215.01		2
		Floor - 01	169.54		169.54		
		Floor - 02	75.00		75.00		
		Total	460.06	0.51	459.55		
		Floor - Ground	208.79	1.25	207.54		2

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	Block-9 [Villa 112 & 113]	Floor - 01	185.70		185.70		
		Floor - 02	85.18		85.18		
		Total	479.67	1.25	478.42		
	Block-10	Floor - Ground	29.59	29.59			
		Total	29.59	29.59	0.00		
	Others	Floor - Ground	19.98		19.98		
		Total	19.98		19.98		
	Villa - 01 to 04 , Villa - 141, 142, Villa - 145 to 147, Villa - 149 & Villa - 150 [Typical Villa's - 11]	Floor - Ground	2035.11		2035.11		11
		Floor - 01	1906.41		1906.41		
		Floor - 02	731.50		731.50		
		Total	4673.02		4673.02		
	Villa - 05 to 07, Villa - 09, Villa - 42, 43, Villa - 45 to 48, Villa - 50, Villa - 60, 61 Villa - 63 to 65, Villa 108 - 111 [Typical Villa's - 20]	Floor - Ground	2165.20	14.40	2150.80		20
		Floor - 01	2165.20		2165.20		
		Floor - 02	892.40		892.40		
		Total	5222.80	14.40	5208.40		
	Villa - 10 to 12 , Villa -	Floor - Ground	2273.25	15.12	2258.13		21

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14 to 16, Villa - 18, 34, 51 , 52, Villa - 54 to 57, Villa - 59, 66, Villa - 68 to 70, Villa - 72 & 96 [Typical Villa's - 21]	Floor - 01	2274.72		2274.72		
	Floor - 02	932.19		932.19		
	Total	5480.16	15.12	5465.04		
Villa - 101 to 106, Villa - 127 to 133, Villa - 135 to 138 [Typical Villa's - 17]	Floor - Ground	2242.98	15.30	2227.68		17
	Floor - 01	2291.60		2291.60		
	Floor - 02	780.30		780.30		
	Total	5314.88	15.30	5299.58		
Villa - 144	Floor - Ground	131.94	0.90	131.04		1
	Floor - 01	134.80		134.80		
	Floor - 02	45.90		45.90		
	Total	312.64	0.90	311.74		
Villa - 86	Floor - Ground	99.00	0.25	98.75		1
	Floor - 01	76.01		76.01		
	Floor - 02	32.19		32.19		
	Total	207.20	0.25	206.95		
Villa - 97, 99, 100, 114, 115, Villa - 117 to 124, Villa - 126, Villa - 140	Floor - Ground	1979.70	13.50	1966.20		15
	Floor - 01	2022.60		2022.60		
	Floor - 02	701.70		701.70		

	[Typical Villa's - 15]	Total	4704.00	13.50	4690.50		
	Total		**36699.52**	**109.51**	**35182.48**	**1407.53**	**125**

9.	a) Water requirement KLD	During Operation Total Water Requirement - 155 kLD Total freshwater requirement– 78 kLD Fresh water for Domestic purpose–76 kLD Fresh water for Swimming Pooltop up - 2kLD Treated wastewater requirement for Flushing purposes - 39 kLD Treated wastewater requirement for Gardening purposes - 23 kLD Treated wastewater requirement for OSR maintenance purposes - 15 kLD
	b) Source	Coimbatore Corporation
10.	Quantity of Sewage KLD	Sewage Generation – 107 KLD
11.	Details of Sewage Treatment Plant	Sewage Treatment Plant – 120 KLD capacity (MBBR type)

S.No	Units of STP
1	Bar Screen Chamber
2	Collection tank
	Aeration Tank
3	Settling Tank
4	Pressure Sand Filter
5	Activated Carbon Filter

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		6	Clarified Water Tank		
		7	Treated Water Tank		
		8	UF Treated water tank		
		9	Sludge Holding Tank		
		10	UV disinfection system		
		11	Dewatering System – Filter Press with Screw Pumps		
12.	Mode of Disposal of treated sewage with quantity	Total treated Sewage – 102kLD Toilet flushing – 39 kLD Greenbelt development & OSR development – 38KLD. Avenue Plantation/ Corporation UGSS Sewer – 25 kLD.			
13.	Quantity of Solid Waste generated per day , Mode of treatment and Disposal of Solid Waste	Description	Quantity (Tons / day)	Mode of Disposal	
		Bio degradable (@40 % of waste generated)	0.209	Will be treated in organic waste converter and used as manure for gardening.	
		Non-Biodegradable (@60% of waste generated)	0.313	Sent to authorized recyclers	
		STP Sludge	15	Will be used as manure for greenbelt development	
14.	Power requirement	1737 kVA (source of Power – Supply from TNEB/TANGEDCO Grid)			
15.	Details of D.G. set with Capacity	1 No. of 125 kVA DG set with in-built acoustic enclosures followed by Stack height as per CPCB Norms.			

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<table>
<tr><td>16.</td><td>Details of Green Belt Area</td><td colspan="4">6590.61Sq.m</td></tr>
<tr><td>17.</td><td>Details of Parking Area</td><td>Details</td><td>No. of Car Parkings</td><td>No of two-Wheeler Parkings</td><td>Area allotted for Parking in (Sqm)</td></tr>
<tr><td></td><td></td><td>Total number of Parkings provided</td><td>298</td><td>11</td><td>3855.84</td></tr>
<tr><td></td><td></td><td>Total number of Parkings required</td><td>290</td><td>11</td><td>-</td></tr>
<tr><td></td><td></td><td>Total number of Parkings Provided</td><td>298</td><td>11</td><td>3855.84</td></tr>
<tr><td>18.</td><td>Provision for rain water harvesting</td><td colspan="4">No of RWH recharge pits - 38 nos.</td></tr>
<tr><td>19.</td><td>EMP Cost (Rs.)</td><td colspan="4">Construction Phase including capital cost & O&M Cost): Rs.38.3 Lakhs
Operation Phase:
Capital Cost – Rs.131 Lakhs.
Operation & Maintenance Cost -Rs. 35.34 Lakhs.</td></tr>
<tr><td>20.</td><td>CER activities with the specific allocation of funds</td><td colspan="4">Rs. 65 Lakhs as per SEAC Minutes</td></tr>
</table>

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

1. The Proponent shall furnish the detailed report on emission, noise and vibration due to the operations of DG sets as proposed and the same shall be furnished

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to TNPCB before obtaining CTO and copy submitted to SEIAA-TN.

2. The building shall conform to minimum of IGBC GOLD building norms and shall obtain IGBC GOLD certificate in this regard before obtaining CTO from TNPCB.
3. The PP shall adopt IGBC Net Zero Water System.
4. The PP shall obtain fresh water supply commitment letter and disposal of excess treated water from the Competent authority for before obtaining CTO from TNPCB.
5. The project proponent shall provide adequate capacity of STP and treated sewage shall be utilized for flushing and green belt as proposed and committed after meeting the standards prescribed TNPCB time to time.
6. The project proponent shall install STP on 'BOT' basis to build, operate & maintain the STP for a minimum period of 10 years as committed before SEAC.
7. The project proponent shall furnish commitment letter (or) an agreement executed with the competent authority/ authorized representative for utilization of excess treated sewage for avenue plantation as committed for green belt purpose before obtaining CTO from TNPCB.
8. The PP shall analyse the treated wastewater samples periodically through TNPCB.
9. The treated/untreated sewage water shall not be let-out from the unit premises.
10. The proponent shall provide adequate organic waste disposal facility such as organic waste convertor waste within project site as committed and non-Biodegradable waste to authorized recyclers as committed.
11. The height of the stacks of DG sets shall be provided as per the CPCB norms.
12. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc. To TNPCB before obtaining CTO.
13. The proponent shall make proper arrangements for the utilization of the treated water from the proposed site for Toilet flushing, Greenbelt development & OSR and no treated water be let out of the premise.

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14. The sludge generated from the Sewage Treatment Plant shall be collected and de-watered using filter press and the same shall be utilized as manure for green belt development after composting.
15. The proponent shall provide the separate wall between the STP and OSR area as per the layout furnished and committed.
16. The purpose of Greenbelt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix, in consultation with the DFO, State Agriculture. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
17. Taller/one year old saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. 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
18. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
19. 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.
20. 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.

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21. No waste of any type to be disposed off in any other way other than the approved one.

22. 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.

23. 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.

24. 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.

25. The project proponent shall measure the criteria air pollutants data (including CO) due to traffic again before getting consent to operate from TNPCB and submit a copy of the same to SEIAA.

26. The PP shall install Solar panel covering 50% of roof top area to harness renewable energy before obtaining CTO from TNPCB. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.

27. That the grant of this E.C. is issued from the environmental angle only and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.

28. 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 include demolishing plan & its mitigation measures in the EMP and adhere the same as committed.

29. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 accepted by the Project proponent, the revised

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CER cost is Rs. **65 Lakhs** and the amount shall be spent for the committed activities such as Provision of solar powered smart class, Infrastructure & sanitation facilities such as safe drinking water, Hygienic Toilets facilities, furnitures, Environmental awareness books to library, Solar lights and Green Belt development for the Govt. Higher Secondary School, Sundapalayam & Govt High School, Seeranaickenpalayam before obtaining CTO from TNPCB.

Agenda No: 344-02
(File No: 9463/2022)
Proposed construction of Mall Project at S.F.Nos. 58/1B1, 58/1B2, 58/2A1B, 58/2A2, 70/1F1A, 70/1F1B, 70/1G2A1 & 70/1G2A2of Maduravoyal Village, Maduravoyal Taluk, Chennai District, Tamil Nadu by M/s. A R Property Developers Private Limited - For Environmental Clearance.(SIA/TN/MIS/287865/2022, dated 11-08-2022)

The proposal was placed in this 344thSEAC meeting held on 06.01.2023. 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. A R Property Developers Private Limited has applied for Environmental Clearance for the proposed construction of Mall Project at S.F.Nos. 58/1B1, 58/1B2, 58/2A1B, 58/2A2, 70/1F1A, 70/1F1B, 70/1G2A1 & 70/1G2A2 of Maduravoyal Village, Maduravoyal Taluk, Chennai District, Tamil Nadu.
2. The project/activity is covered under Category "B" of item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006.
3. The salient features of the project are as follows:

S. No	Description	Details
1.	Name of the Project	Proposed construction of Mall Project by M/s. A.R. Property Developers Private Limited
2.	Location	S.F.Nos. 58/1B1, 58/1B2, 58/2A1B, 58/2A2, 70/1F1A, 70/1F1B, 70/1G2A1 & 70/1G2A2 of Maduravoyal Village, Maduravoyal Taluk, Chennai District, Tamil Nadu
3.	Type of Project	Building and Construction Projects Schedule 8 (a)

<table>
<tr><td>4.</td><td>Latitude & Longitude</td><td>13°3'44.54" N
80°10'1.80" E</td></tr>
<tr><td>5.</td><td>Total Area (in sq. m)</td><td>7,964 Sq.m
<table>
<tr><th>S.No</th><th>Description</th><th colspan="2">Area in</th></tr>
<tr><th></th><th></th><th>Sq.m</th><th>%</th></tr>
<tr><td>1</td><td>Total land area</td><td>7964</td><td>100</td></tr>
<tr><td>2</td><td>Area to be gifted for road widening</td><td>94</td><td>1</td></tr>
<tr><td>3</td><td>Total land area after deducting road widening area</td><td>7870</td><td>-</td></tr>
<tr><td>4</td><td>Total ground coverage area of buildings</td><td>3889</td><td>49</td></tr>
<tr><td>5</td><td>Other Utilities area</td><td>350</td><td>4</td></tr>
<tr><td>6</td><td>Surface Parking area</td><td>1200</td><td>15</td></tr>
<tr><td>7</td><td>Driveway & pavement area</td><td>1236</td><td>16</td></tr>
<tr><td>8</td><td>Green belt development area</td><td>1195</td><td>15</td></tr>
</table></td></tr>
<tr><td>6.</td><td>Built up area</td><td>39,696 Sq.m.</td></tr>
<tr><td>7.</td><td>Cost of Project</td><td>90.25 Crores</td></tr>
<tr><td>8.</td><td>Brief description of the project</td><td>
<table>
<tr><th>Building Description</th><th>No. of Floors</th><th>FSI Area (Sq.m)</th><th>Non FSI &Parking (Sq.m)</th><th>Total Built-up Area in Sq.m</th></tr>
<tr><td colspan="2">Combined Double Basement Floors</td><td>179</td><td>13,880</td><td>14,059</td></tr>
<tr><td>Block 1 (Commercial Mall)</td><td>2B+G+7 Floors</td><td>25,356</td><td>-</td><td>25,356</td></tr>
<tr><td>Block 2 (Service Block)</td><td>2B+ Ground Floor</td><td>81</td><td>-</td><td>81</td></tr>
<tr><td>Utility Area</td><td>-</td><td>-</td><td>200</td><td>200</td></tr>
<tr><td colspan="2">Total (Sq.m)</td><td>25,616Sq.m</td><td>14,080Sq.m</td><td>39,696 Sq.m</td></tr>
</table></td></tr>
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<table>
<tr><td rowspan="2">9.</td><td>a) Water requirement KLD</td><td>
<table>
<tr><th>S.No</th><th>Details</th><th>Quantity (KLD)</th></tr>
<tr><td>1</td><td>Total Water Requirement</td><td>279</td></tr>
<tr><td>2</td><td>Total Fresh Water Requirement</td><td>153</td></tr>
<tr><td></td><td>a) Domestic use</td><td>62</td></tr>
<tr><td></td><td>b) HVAC</td><td>91</td></tr>
<tr><td>3</td><td>Recycled water requirement</td><td>126</td></tr>
<tr><td></td><td>a) Toilet flushing</td><td>71</td></tr>
<tr><td></td><td>b) HVAC</td><td>51</td></tr>
<tr><td></td><td>c) Greenbelt development</td><td>4</td></tr>
</table>
</td></tr>
<tr><td>b) Source</td><td>Primary fresh water source – CMWSSB
Secondary source – Treated water from STP</td></tr>
<tr><td>10.</td><td>Quantity of Sewage</td><td>Quantity Of Sewage Generated: 133 KLD</td></tr>
<tr><td>11.</td><td>Details of /Sewage Treatment Plant</td><td>Sewage Treatment Plant 150 KLD – SBR Technology
• Bar Screen Chamber
• Equalization Tank
• Pre Aeration Tank
• Aeration Tank (SBR Tank)
• Decant Tank
• Pressure Sand Filter
• Activated Carbon Filter
• Ultra Filtration Feed Tank
• Ultra Filtration System
• UV Disinfection System
• Final Treated Water Tank
• Sludge Holding Tank
• Filter Press</td></tr>
<tr><td>12.</td><td>Mode of Disposal of treated sewage with quantity</td><td>Total Treated wastewater – 126 KLD
i. HVAC – 51 KLD
ii. Toilet Flushing – 71 KLD
iii. Greenbelt Development– 4 KLD</td></tr>
</table>

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<tr><td>13.</td><td>Quantity of Solid Waste generated per day. Mode of treatment and Disposal</td><td colspan="2"><table>
<tr><th>S.No</th><th>Description</th><th>Quantity</th><th>Methods of Treatment / Disposal</th></tr>
<tr><td>1</td><td>a) Biodegradable Waste</td><td>1143 kg/day</td><td>Treated in Organic Waste Converter (OWC) and Used as Manure for Gardening</td></tr>
<tr><td></td><td>b) STP Sludge</td><td>13 kg/day</td><td>Dewatered and processed in OWC and converted into manure</td></tr>
<tr><td>2</td><td>Non-Biodegradable Waste</td><td>762 kg/day</td><td>Handed Over to Authorized Recyclers/ Vendors</td></tr>
<tr><td>3</td><td>E-waste
a) During 1st and 2nd year
b) From 3rd year</td><td>503kgs/year
1497 kgs/year</td><td>Will be stored in an isolated room earmarked in the ground floor and will be disposed through TNPCB authorized E-waste recyclers.</td></tr>
</table></td></tr>
<tr><td>14.</td><td>Power requirement</td><td colspan="2">4 MVA Sourced FromTNEB Grid</td></tr>
<tr><td>15.</td><td>Details of D.G. set with Capacity</td><td colspan="2">➢ 2 Nos. of 1500 kVA
➢ 1 Nos. of 750 kVA
Stack height – as per CPCB norms</td></tr>
<tr><td>16.</td><td>Details of Green Belt Area</td><td colspan="2">1,195Sq.m</td></tr>
</table>

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<table>
<tr><td>17.</td><td>Details of Parking Area</td><td>Parking facility is Provided for 422 Nos. of Cars & 633 Nos. of Two Wheelers
<table>
<tr><th rowspan="2">Parking Location</th><th colspan="2">Car Parking</th><th colspan="2">Two wheeler Parking</th></tr>
<tr><th>No. of Car Parks</th><th>Area(Sq.m)</th><th>No. of Twowheeler parks</th><th>Area(Sq.m)</th></tr>
<tr><td>Surface parking</td><td>54</td><td>675</td><td>-</td><td>-</td></tr>
<tr><td>Double Basement Floor Parking</td><td>368</td><td>4588</td><td>633</td><td>1140</td></tr>
<tr><td>Total No. of Car Parking Provided</td><td>422</td><td>5263</td><td>633</td><td>1140</td></tr>
<tr><td>Total No. of Car Parking required</td><td>380</td><td>4750</td><td>570</td><td>1025</td></tr>
</table></td></tr>
<tr><td>18.</td><td>Provision for rain water harvesting</td><td>Total runoff – 181 Cu.m
No. of Recharge pits proposed: 16 nos</td></tr>
<tr><td>19.</td><td>EMP Cost (Rs.)</td><td>During Construction Phase
Capital Cost – Rs. 7.5 Lakhs
Operational Cost – Rs. 16.5 Lakhs
During Operation Phase
Capital Cost – Rs. 162 Lakhs
Annual Operational Cost – Rs. 53.9 Lakhs</td></tr>
</table>

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

1. The project proponent shall obtain IGBC Gold rating for the construction project.
2. The proponent shall increase the green belt coverage from the proposed 15% to

20 % by suitably changing/adjusting the surface parking area.

3. At least 4 shops in the proposed mall should be earmarked for environmentally friendly products and also rental concessions should be given to those shops.
4. Provisions for easy accessibility should be provided for differently-abled persons/ blind people in all places including parking areas, lifts etc.
5. At least 50% of the roof coverage should be specifically allocated for solar panels and should be used for the generation of solar energy.
6. The height of the stacks of DG sets shall be provided as per the CPCB norms.
7. The proponent shall ensure that DG sets are run on green energy sources instead of Diesel.
8. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc. to TNPCB before obtaining CTO.
9. The proponent shall make proper arrangements for the utilization of the treated water from the proposed site for Toilet flushing, Green belt development, OSR, and no treated water shall be let out of the premise.
10. The sludge generated from the Sewage Treatment Plant shall be collected and de-watered using filter press and the same shall be utilized as manure for green belt development after composting.
11. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix, in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
12. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted with proper spacing as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. 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.

13. The unit shall ensure the compliance of land use classification fit for construction.
14. The project proponent shall provide entry and exit points for the OSR area, play area as per the norms for the pubic usage and as committed.
15. The PP shall construct a pond of appropriate size in the earmarked OSR land in consultation with the local body. The pond should be modelled like a temple tank with parapet walls, steps, etc. The pond is meant to play three hydraulic roles, namely (1) as a storage, which acted as insurance against low rainfall periods and also recharges groundwater in the surrounding area, (2) as a flood control measure, preventing soil erosion and wastage of runoff waters during the period of heavy rainfall, and (3) as a device which was crucial to the overall eco-system.
16. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
17. 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.
18. 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.
19. No waste of any type to be disposed of in any other way other than the approved one.
20. 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.
21. The project proponent shall furnish commitment for post-COVID health management for construction workers as per ICMR and MHA or the State Government guidelines.
22. 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.

23. The project proponent shall measure the criteria air pollutants data (including CO) due to traffic again before getting consent to operate from TNPCB and submit a copy of the same to SEIAA.

24. Solar energy should be at least 25% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.

25. 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 the EMP as committed.

26. As accepted by the Project Proponent the CER cost is Rs. 90 lakhs and the amount shall be spent for the following activities as committed by the proponent before CTO from TNPCB.

S.No	School	Proposed activity	Budgetary Allocation
1	Government Higher Secondary School, Maduravoyal, Chennai	• Construction of Classroom • Construction of Toilet Block • Civil Repair/ Painting works of the school • Levelling and Plantation around playground	Rs. 90 Lakhs
2	Government Girls Higher Secondary School, Mogappair East, Chennai		
3	Government Higher Secondary School, Kallakurichi		

Agenda No: 344 - 03
(File No: 9469/2022)
Proposed Construction of Residential & Commercial Development building S.F.No. 701/1A, 701/1B, 701/2A, 701/2B, 702/1(pt), 702/1A, 702/1B, 702/1C, 702/1D, 702/2 and 761/2, T.S.No. 1/2, 1/3 &T.S.No. 2, Block No. 20 Madhavaram Village, Madhavaram

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Taluk Thiruvallur District, Tamil Nadu by M/s.Alliance Villas Pvt. Ltd - For Environmental Clearance (SIA/TN/MIS/291065/2022, dated 30.08.2022)

The proposal was placed in 344thSEAC meeting held on 06.01.2023. 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.Alliance Villas Pvt. Ltd has applied for Environmental Clearance for the Proposed Construction of Residential & Commercial Development building S.F.No. 701/1A, 701/1B, 701/2A, 701/2B, 702/1(pt), 702/1A, 702/1B, 702/1C, 702/1D, 702/2 and 761/2, T.S.No. 1/2, 1/3 &T.S.No. 2, Block No. 20 Madhavaram Village, Madhavaram Taluk Thiruvallur District, Tamil Nadu.
2. The project/activity is covered under Category "B" of item 8(a) "Building & Construction" of the Schedule to the EIA Notification, 2006.
3. Total land area is 19702.04 Sqm. The total built-up area of the proposed residential building is 82989.39 Sqm.

S. No	Description	Details
1.	Name of the Project	Proposed Construction of Multi Storied Building by M/s. Alliance Villas Pvt. Ltd
2.	Location	S.No. 701/1A, 701/1B, 701/2A, 701/2B, 702/1(pt), 702/1A, 702/1B, 702/1C, 702/1D, 702/2 and 761/2, T.S.No. 1/2, 1/3 &T.S.No. 2, Block No. 20 Madhavaram Village, Madhavaram Taluk Thiruvallur District
3.	Type of Project	Building and Construction Projects Schedule 8 (a)
4.	Latitude & Longitude	13°8'53.51"N to 80°12'55.20"E
5.	Total Area (in sq. m)	a) Total land area – 19702.04 Sq.m b) Gifted OSR Area - 1731.12 Sq.m

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		c) EB Substation - 852.00 Sq.m d) Gifted Link Road Area - 2655.94 Sq.m e) Gifted Street Alignment Area - 35.91 Sq.m f) Land Area for Development - 14427.07 Sq.m i. Total Ground Coverage Area of Buildings - 5094.86 Sq.m ii. Roads and Pavements Area - 4162.52 Sq.m iii. Surface or open Parking Area - 1533.57 Sq.m iv. STP, Solid Waste Disposal and Other Utilities Area - 1080.21 Sq.m v. Greenbelt development Area - 2555.91 Sq.m
6.	Built up area	82989.39 Sq.m
7.	Cost of Project	Rs. 104,43,45,000

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<table>
<tr><td>8.</td><td>Brief description of the project</td><td>
<table>
<tr><th>Blocks</th><th>FSI Area In Sqm</th><th>Non-F.S.I Area & Other Built-up area in Sq.m</th><th>Total Built-up Area in Sq.m</th></tr>
<tr><td>Combined Basement - 1</td><td>-</td><td>9117.49</td><td>9117.49</td></tr>
<tr><td>Combined Basement - 2</td><td>-</td><td>9176.24</td><td>9176.24</td></tr>
<tr><td>Block – A (S + 18 Floors)</td><td>55447.43</td><td>198.09</td><td>55645.52</td></tr>
<tr><td>Block - B (Club House) (G + 4 Floors)</td><td>2,182.60</td><td>-</td><td>2,182.60</td></tr>
<tr><td>Block – C (Convention Centre) (G + 7 Floors)</td><td>6,570.24</td><td>-</td><td>6,570.24</td></tr>
<tr><td>Block - D (Shop) (G + 1 Floors)</td><td>297.30</td><td>-</td><td>297.30</td></tr>
<tr><td>Grand Total</td><td>64497.57</td><td>18491.82</td><td>82989.39</td></tr>
</table>
</td></tr>
<tr><td>9.</td><td>a) Water requirement KLD</td><td>Total water requirement – 400 KLD
Fresh water requirement – 245 KLD
i. Swimming Pool – 3 KLD
ii. Domestic water requirement – 242 KLD
Treated water requirement – 155 KLD
i. Green Belt & OSR – 15 KLD
ii. Flushing – 140 KLD</td></tr>
<tr><td></td><td>b) Source</td><td>CMWSSB</td></tr>
</table>

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10.	Quantity of Sewage KLD	**During Operation Phase** Total Sewage Generation – 368 KLD i. Sewage Generation – 140 KLD ii. Waste Water Generation – 228 KLD
11.	Details of /Sewage Treatment Plant	**Sewage Treatment Plant – 370 KLD capacity** • Bar Screen Chamber • Equalization tank • Pre-Aeration tank • SBR Tank • Decant Tank • Sludge Holding Tank • Treated Water Tank • Pressure Sand Filter • Activated Carbon Filter • UV Disinfection system • Dewatering system – filter press with screw pumps **Sewage Treatment Plant – 370 KLD capacity** • Bar Screen Chamber • Equalization tank • SBR Tank • Decant Tank • Sludge Holding Tank • Treated Water Tank • Pressure Sand Filter • Activated Carbon Filter • Activated Carbon Filter
12.	Mode of Disposal of	Total Treated waste water – 350 KLD iv. CMWSSB Sewer – 195 KLD v. Toilet Flushing – 140 KLD

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<table>
<tr><td></td><td>treated sewage with quantity</td><td>vi. Greenbelt Development & OSR – 15 KLD</td></tr>
<tr><td>13.</td><td>Quantity of Solid Waste generated per day, Mode of treatment and Disposal of Solid Waste</td><td>
<table>
<tr><th>S.No</th><th>Description</th><th>Quantity (Tons/ day)</th><th>Methods of Treatment / Disposal</th></tr>
<tr><td>1</td><td>Biodegradable Waste (40%)</td><td>0.810</td><td>The Biodegradable waste will be processed in the proposed Eco converter to be installed in the site.</td></tr>
<tr><td>2</td><td>Non-Biodegradable Waste (60%)</td><td>1.214</td><td>Waste will be sold to recyclers</td></tr>
<tr><td>3</td><td>STP Sludge</td><td>15 kg / day</td><td>Will be mixed with compost from Organic waste converter and will be used as Manure for Greenbelt development in site.</td></tr>
</table>
</td></tr>
<tr><td>14.</td><td>Power requirement</td><td>5717 KVA, Source of power – TNEB Grid

Solar Proposal
<table>
<tr><th rowspan="2">S.No</th><th rowspan="2">Description</th><th colspan="2">Solar System Saving</th></tr>
<tr><th>Total KW</th><th>Efficiency</th></tr>
<tr><td>1</td><td>Solar Roof Panel Area – 6508 Sq.m
(50 % of the Roof top is provided for Solar)</td><td>651</td><td>50%</td></tr>
<tr><td></td><td colspan="3">Energy Avg. Production per Hour-KWHr</td></tr>
<tr><td></td><td colspan="3">Energy Production per Day (8-Hours)-KWHr</td></tr>
</table>
</td></tr>
</table>

			Energy Production per Annum-KW/Hr	9519
			Energy savings / Annum (in Kwh)	**9519**

15. Details of D.G. set with Capacity

1 no. of 500 KVA,
2 nos. of 400 KVA &
1 No. of 100 KVA

- Acoustic enclosures proposed for DG sets to comply with the noise level standards prescribed by CPCB.
- Scrubber will be provided for the control of Air pollution.

Solar Proposal

S. No	Description	Roof area in Sqm	Area per kW (Sqm) TEDA	Solar power in kW	Amount per Kw Rs	A
1	50 % of Roof area	554.49	12	46	65,000	2
Total Load in kW				46	Rs. 26,00	

16. Details of Green Belt Area

2555.91 Sq.m

17. Details of Parking Area

Details	No. of Car Parks	No. of two-wheeler Parks	Area allotted for parking in (Sqm)
1) Total number of Car Parks in Basement 1	219	19	9117.49

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		2) Total number of Car Parks in Basement 2	233	151	9176.24
		Total number of car parks in Ground level (Surface parking)	82	-	
		3)Total number of car parks in Ground level (Surface parking)	132	70	
		Total number of Parking required as per CMDA norms	558	290	
		Total number of Parking provided	**666**	**290**	
18.	Provision for rain water harvesting	Total runoff – 8672 m^3			
		Considering 50 rainy days per Annum, per day rainwater runoff will be			174 cum
		Rainwater collection Tank provided for storing 100% of the roof area. Per day Roof area Rain fall collection is 96 Cum (100 m^3 Underground Rainwater storage tank Proposed)			96 cum
		Remaining rainwater will be recharge into recharge well. Recharge pit: 23 Nos with Dia 1.2 m, depth 3 m			78 cum
		100 % of rainwater managed inside by storage and recharge within the site			
19.	EMP Cost (Rs.)	**During Construction Phase** Capital Cost – Rs. 10.85 Lakhs O & M Cost (per annum) – Rs. 3.7 Lakhs			

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<table>
<tr><td></td><td></td><td>During Operation Phase
Capital Cost – Rs. 171.2 Lakhs
Recurring Cost – Rs. 33.88 Lakhs</td></tr>
<tr><td>20.</td><td>CER activities with the specific allocation of funds</td><td>
<table>
<tr><th>S. No</th><th>CER Activity</th><th>Capital cost Allocation (in Lakhs)</th></tr>
<tr><td colspan="3">Improvement of school infrastructure, sanitation facility, library, drinking water treatment plant, solar lighting & smart class (LED Projector with computer), furnitures, development of sports facilities, Greenbelt development, additional classrooms for schools mentioned below</td></tr>
<tr><td>i</td><td colspan="2">Kadirvedu Government High School – 1.37 km, W</td></tr>
<tr><td>ii</td><td colspan="2">Government Higher Secondary School, Madhavaram – 1.69 km, NE</td></tr>
<tr><td>iii</td><td colspan="2">Environmental Conservation measures to Point Calimere – 'B' Block – Rs.50 Lakhs</td></tr>
<tr><td colspan="2">Total Cost Allocation</td><td>100</td></tr>
</table>
</td></tr>
</table>

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

1. The project proponent shall obtain IGBC Gold ratingfor the construction project.
2. The proponent shall provide Bio Methanation plant within project site for bio-degradable waste and shall dispose the non- Biodegradable waste to authorized recyclers as committed.
3. PP shall ensure that minimum 50% of capacity of DG sets which are proposed to be set up are run on green energy sources instead of Diesel.
4. The height of the stacks of DG sets shall be provided as per the CPCB norms.

5. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc. to TNPCB before obtaining CTO.
6. The proponent shall make proper arrangements for the utilization of the treated water from the proposed site for Toilet flushing, Green belt development, OSR, and no treated water shall be let out of the premise.
7. The sludge generated from the Sewage Treatment Plant shall be collected and de-watered 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, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix, in consultation with the DFO, State Agriculture University and local school/college authorities. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
9. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted with proper spacing as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. 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.
10. The unit shall ensure the compliance of land use classification fit for construction.
11. The project proponent shall provide entry and exit points for the OSR area, play area as per the norms for the pubic usage and as committed.
12. The PP shall construct a pond of appropriate size in the earmarked OSR land in consultation with the local body. The pond should be modelled like a temple tank with parapet walls, steps, etc. The pond is meant to play three hydraulic roles, namely (1) as a storage, which acted as insurance against low rainfall periods and also recharges groundwater in the surrounding area, (2) as a flood control measure,

preventing soil erosion and wastage of runoff waters during the period of heavy rainfall, and (3) as a device which was crucial to the overall eco-system.

13. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
14. 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.
15. 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.
16. No waste of any type to be disposed of in any other way other than the approved one.
17. 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.
18. The project proponent shall furnish commitment for post-COVID health management for construction workers as per ICMR and MHA or the State Government guidelines.
19. 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.
20. The project proponent shall measure the criteria air pollutants data (including CO) due to traffic again before getting consent to operate from TNPCB and submit a copy of the same to SEIAA.
21. Solar energy should be at least 25% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.

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22. 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 the EMP as committed.
23. As accepted by the Project Proponent the CER cost is Rs.100 lakhs and the amount shall be spent for the activities as committed by the proponent which shall include
    A. Rs. 50 Lakhs – As committed.
    B. Rs. 50 Lakhs – Environmental Conservation measures to Point Calimere – 'B' Block in consultation with Wildlife warden, Nagapattinam.

Agenda No: 344-04
(File No: 9472/2022)
Proposed expansion in construction of Residential Group Development building in S.No.28/2A2, 33/3B, 33/3C, 34Pt, 35/1A, 35/1B, 35/1C, 35/1D,35/2A, 35/3A1, 35/3A2, 35/3A3, 35/3A4, 35/3B1, 35/3B2, 35/3B3, 35/3B4, 36/2A, 36/2B, 53/1, 53/2, 54/1A, 54/1B, 54/4A, 54/4B1, 54/4B2, 54/4B3, 54/4B4, 54/4C Vengampakkam Village, Tambaram Taluk and 577/280 Nedungundram Village, Vandalur Taluk, Chengalpattu District, Tamil Nadu by M/s. Casa Grande Zest Private Limited- For Environmental Clearance Expansion. (SIA/TN/MIS/288689/2022 dated 20.08.2022)

Earlier, this proposal was placed in 326th Meeting of SEAC held on 04.11.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s. Casa Grande Zest Private Limited has applied for Expansion of Environmental Clearance for the proposed expansion in construction of Residential Group Development building in S.No. 28/2A2, 33/3B, 33/3C, 34Pt, 35/1A, 35/1B, 35/1C, 35/1D,35/2A, 35/3A1, 35/3A2, 35/3A3, 35/3A4, 35/3B1, 35/3B2, 35/3B3, 35/3B4, 36/2A, 36/2B, 53/1, 53/2, 54/1A, 54/1B, 54/4A, 54/4B1, 54/4B2, 54/4B3, 54/4B4, 54/4C Vengampakkam Village, Tambaram Taluk and 577/280 Nedungundram Village, Vandalur Taluk, Chengalpattu District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 8 (a) Building and Construction Projects of the Schedule to the EIA Notification, 2006.
3. Environmental Clearance issued vide Letter No. SEIAA-TN/F.8645/EC/8(a)/791/2021 dated: 03.11.2021.

4. Total Built up area - 31378.625 Sq.m.

1.	Name of the Project	Proposed Expansion of Residential Group Development building by M/s. Casa Grande Zest Private Limited
2.	Location	S.No. 28/2A2, 33/3B, 33/3C, 34Pt, 35/1A, 35/1B, 35/1C, 35/1D,35/2A, 35/3A1, 35/3A2, 35/3A3, 35/3A4, 35/3B1, 35/3B2, 35/3B3, 35/3B4, 36/2A, 36/2B, 53/1, 53/2, 54/1A, 54/1B, 54/4A, 54/4B1, 54/4B2, 54/4B3, 54/4B4, 54/4C Vengampakkam Village, Tambaram Taluk and 577/280 Nedungundram Village, Vandalur Taluk, Chengalpattu District.
3.	Type of Project	8(a)"Building and Construction Projects"
4.	Latitude & Longitude	12°52'53.63"N, 80° 7'55.23"E
5.	Total Plot/land Area (in sq. m)	37552.4 Sq.m
6.	Ground Coverage area	13510.51Sq.m
7.	Cost of Project	79.35 Crores
8.	Total Built up area	31378.625 Sq.m

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<table>
<tr><td>9.</td><td>Land Break-up</td><td>
<table>
<tr><th>S.No</th><th>Details</th><th>Area in (Sqm)</th></tr>
<tr><td>1</td><td>Total Land Area</td><td>37552.4 Sq.m</td></tr>
<tr><td>2</td><td>Road area Gifted to Local body 12.0 m wide</td><td>2214.02 Sq.m</td></tr>
<tr><td>3</td><td>Ground Coverage Area of Building</td><td>13510.51</td></tr>
<tr><td>4</td><td>Roads and Pavements Area</td><td>10240.59</td></tr>
<tr><td>5</td><td>Surface Parking Area</td><td>439</td></tr>
<tr><td>6</td><td>STP, Solid Waste Disposal and Other Utilities Area</td><td>567.9</td></tr>
<tr><td>7</td><td>Greenbelt development Area</td><td>7025.31</td></tr>
<tr><td>8</td><td>OSR Area</td><td>3555.07</td></tr>
</table>
</td></tr>
<tr><td>10.</td><td>Sewage Treatment Plant</td><td>Sewage Treatment Plant (55 KLD) SBR</td></tr>
<tr><td>11.</td><td>Total STP Capacity</td><td>Sewage Treatment Plant (55 KLD) SBR</td></tr>
<tr><td rowspan="2">12.</td><td rowspan="2">a) Water requirement KLD</td><td>Fresh Water requirement – 90KLD</td></tr>
<tr><td>Treated Grey water requirement – 78 KLD</td></tr>
<tr><td>13.</td><td>Quantity of Sewage KLD</td><td>Total sewage generation – 45 KLD
Total greywater generation – 86 KLD</td></tr>
</table>

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<table>
<tr><td>14.</td><td>Quantity of Solid Waste generated per day , Mode of treatment and Disposal of Solid Waste</td><td>
<table>
<tr><th>S.No</th><th>Description</th><th>Quantity (kg/day)</th><th>Mode of treatment / disposal</th></tr>
<tr><td>1.</td><td>Biodegradable Waste (@40% of waste generated)</td><td>242</td><td>Will be treated in Organic Waste Convertor and utilized as manure for green belt development inside the project and excess manure will handed over to the near by farmers</td></tr>
<tr><td>2.</td><td>Non-Biodegradable waste (60% of waste generated)</td><td>362</td><td>Sent to authorized recyclers</td></tr>
<tr><td>3.</td><td>STP Sludge</td><td>6</td><td>Composted along with the OWC convertor and utilized as manure</td></tr>
</table>
</td></tr>
<tr><td>15.</td><td>Power requirement</td><td>2908.69 KVA,
Source of power – TNEB</td></tr>
</table>

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16.	Details of D.G. set with Capacity	1 No. of 125 kVA & 1 No. of 160 kVA
17.	Details of Green Belt Area	Total no. of trees proposed for plantation – 800 Nos
18.	Details of Parking Area	No. of cars - 240
19.	Provision for rain water harvesting	Rainwater collection tank – 110 Cu.m Recharge Well : Required 105 Nos with Dia 1.2 m, depth 1.5 m.
20.	EMP Cost (Rs.)	Capital Cost for Operation Phase – 138.205 Lakhs Operation Phase – 43.88 lakhs
21.	CER activities with the specific allocation of funds	

S. No	CER Activity	Capital cost Allocation (in Lakhs)
1.	Provision of smart class room (LED projector with computerfacility), sanitation facilities &drinking Water facilities forGovernment Higher Secondary School – Vengampakkam	10
2.	Provision of smart class room (LED projector with computer facility), sanitation facilities &drinking Water facilities for Government Higher secondary School - Selaiyur	10

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		3.	Provision of sanitation facilities & drinking Water facilities for theVengampakkam village in consultation with District Collector.	11
		4.	Provision of sanitation facilities & drinking Water facilities for theNedungundram village in consultation with District Collector	10
		5.	Haasan lake – 2.65 km NW– Desilting, bund strengthening andPlantation of trees & grass cover in bunds to prevent soil erosion inconsultation with PWD	15
		6.	Balajinagar Lake – 4.33 km, NW– Desilting, bund strengthening andPlantation of trees & grass cover in bunds to prevent soil erosion inconsultation with PWD	15
		Total Cost Allocation		**Rs.71Lakhs**

Based on the presentation and document furnished by the project proponent, SEAC decided to seek the following details from the project proponent.

(i) The PP shall furnish certified compliance report.

(ii) The PP shall complete the CER activities committed in earlier EC issued vide Letter No. SEIAA-TN/F.8645/EC/8(a)/791/2021 dated: 03.11.2021.

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Now the proposal was placed in this 344th Meeting of SEAC held on 06.01.2023 and the reply furnished by the PP is given below,

S.No	Query	Reply
1	The PP shall furnish certified compliance report.	The PP has obtained certified compliance report vide E.P/12.1/2022 - 23/SEIAA/146/TN/1179 dated 10.11.2022.
2	The PP shall complete the CER activities committed in earlier EC issued vide Letter No. SEIAA-TN/F.8645/EC/8(a)/791/2021 dated: 03.11.2021.	The PP has submitted DD of Rs.5,00,000 and handed over to Government Higher Secondary School, Thiruvancheri.

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

1. The project proponent shall obtain IGBC Gold rating for the construction project.
2. The project proponent shall maintain minimum 15% green belt as committed.
3. The PP shall install STP on "BOT" basis to ensure its proper maintenance for 10 years.
4. The proponent shall provide adequate Bio-methanation Plant facility on "BOT" basis to ensure its proper maintenance for 10 yearswithin project site as committed and non- Biodegradable waste to authorized recyclers as committed.
5. The project proponent shall explore the possibility of adopting air cooling HVAC system instead of water-cooling system.
6. The Project proponent shall ensure that DG sets are run on minimum of 50% green energy sources instead of Diesel.

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7. The height of the stacks of DG sets shall be provided as per the CPCB norms.

8. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc. to TNPCB before obtaining CTO.

9. The project proponent shall provide STP of capacity 55 KLD and Grey water treatment plant of capacity 120 KLD the total treated water of 47 kLD shall be utilized for flushing and green belt after ensuring that the vital parameters conform to the standards prescribed by CPCB time to time.

10. The proponent shall make proper arrangements for the utilization of the treated water from the proposed site for Toilet flushing, Green belt development, OSR, and no treated water shall be let out of the premise.

11. The sludge generated from the Sewage Treatment Plant shall be collected and de-watered using filter press and the same shall be utilized as manure for green belt development after composting.

12. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix, in consultation with the DFO, State Agriculture University and local school/college authorities. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.

13. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted with proper spacing as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. 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.

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14. The unit shall ensure the compliance of land use classification fit for construction.

15. The project proponent shall provide entry and exit points for the OSR area, play area as per the norms for the pubic usage and as committed.

16. The project proponent shall construct a pond of appropriate size in the earmarked OSR land in consultation with the local body. The pond should be modelled like a temple tank with parapet walls, steps, etc. The pond is meant to play three hydraulic roles, namely (1) as a storage, which acted as insurance against low rainfall periods and also recharges groundwater in the surrounding area, (2) as a flood control measure, preventing soil erosion and wastage of runoff waters during the period of heavy rainfall, and (3) as a device which was crucial to the overall eco-system.

17. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.

18. The Project Proponent shall comply with the provisions given under the Bio Medical Waste Management Rules, 2016, as amended at all times.

19. 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.

20. 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.

21. No waste of any type to be disposed of in any other way other than the approved one.

22. 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.

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23. The project proponent shall furnish commitment for post-COVID health management for construction workers as per ICMR and MHA or the State Government guidelines.

24. 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.

25. The project proponent shall measure the criteria air pollutants data (including CO) due to traffic again before getting consent to operate from TNPCB and submit a copy of the same to SEIAA.

26. Solar energy should be at least 50% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.

27. That the grant of this E.C. is issued from the environmental angle only and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.

28. 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 the EMP as committed.

29. As accepted by the Project Proponent the CER cost is Rs.71 Lakhs and the amount (i) Rs.10L shall be spent for Provision of smart class room (LED projector with computer facility), sanitation facilities &drinking Water facilities for Government Higher Secondary School – Thiruvanjcheri, Vengampakkam (ii) Rs.10L shall be spent for Provision of smart class room (LED projector with computer facility), sanitation facilities &drinking Water facilities for Government Higher secondary School - Selaiyur (iii)Rs.11L for Provision of sanitation facilities & drinking Water facilities for the Vengampakkam village in consultation with District Collector (iv) 10L for

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Provision of sanitation facilities & drinking Water facilities for the Nedungundram village in consultation with District Collector (v) Rs.15L for Haasan lake – 2.65 km NW– Desilting, bund strengthening and Plantation of trees & grass cover in bunds to prevent soil erosion in consultation with PWD (vi) Rs.15L for Balajinagar Lake – 4.33 km, NW– Desilting, bund strengthening and Plantation of trees & grass cover in bunds to prevent soil erosion in consultation with PWD before obtaining CTE from TNPCB.

Agenda No: 344- 05
(File No: 9502/2022)
Proposed Expansion of Hospital Building at S.F Nos: 554/2B, 554/3, 554/4B1, 554/4B2, 554/6B, 554/7, 554/8, 555/1, 555/2A, 555/3A, 555/4A, 555/4B1, 555/5, 555/6, 555/7, 555/8 & 555/9inNeelambur Village, SulurTalukand Coimbatore District, Tamil Nadu by M/s. Royal Care Super Speciality Hospital Limited–Environmental Clearance for Expansion.(SIA/TN/MIS/401956/2022 dated:03.10.2022).

The proposal was placed in this 344th Meeting of SEAC held on 06.01.2023. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s.Royal Care Super Speciality Hospital Limited has applied for Environmental Clearance for the Proposed Expansion of Hospital Building at S.F Nos: 554/2B, 554/3, 554/4B1, 554/4B2, 554/6B, 554/7, 554/8, 555/1, 555/2A, 555/3A, 555/4A, 555/4B1, 555/5, 555/6, 555/7, 555/8 & 555/9 in Neelambur Village, Sulur Taluk and Coimbatore District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 8(a) "Building & Construction Projects" of the Schedule to the EIA Notification, 2006.
3. Environmental Clearance issued earlier vide SEIAA.Lr.No.SEIAA-TN/F.No.6119/EC/8(a)/511/2016 dated: 19.05.2017 for Proposed Expansion of Hospital Facility by M/s. Royal Care Super Speciality Hospital Limited at S.F Nos: 554/2B, 554/3, 554/4B1, 555/1, 555/2A, 555/3A, 555/4Ain Neelambur Village, Sulur

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Taluk and Coimbatore District, Tamil Nadu. It is proposed to expand 4th& 5th floor on existing main block (Basement + Ground + 3 floors) & additional construction of Oncology Block (Basement + Ground + 5 floors)having total land area of 20,650 Sqm andtotal built up area of 35,529.48 Sqm.

4. The Certified Copy of the Compliance Report for Earlier EC issued videSEIAA.Lr.No.SEIAA-TN/F.No.6119/EC/8(a)/511/2016 dated: 19.05.2017 was submitted the PP. This has been approved by the Competent Authority vide E.P/12.1/2022-23/SEIAA/99/TN/951 dated: 08.09.2022.
5. Earlier, this proposal was placed in the 332nd Meeting of SEAC held on 25.11.2022. 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 specific conditions stated therein, in addition to normal conditions stipulated by MOEF &CC.
6. Subsequently, this proposal was placed in the 577th Authority meeting held on 14.12.2022 & 15.12.2022. After detailed discussion, the Authority noted that the MOEF&CC vide D.O.No. 20/4/2021-HSMD dated 18.10.2022 states that,

"...the Ministry often comes across media reports, and receive representations from civil society/ stakeholder groups on non-compliance of BMWM Rules 2016/CPCB Guidelines. The major issues highlighted in such complaints are related to unscientific/non-compliant functioning of Healthcare Facilities (HCFs)/ CBWTFs, lack of gap studies & monitoring by SPCB non-consideration of gap-analysis reports while grant of Environmental Clearance by State Environmental Impact Assessment Authorities (SEIAA) illegal dumping of BMW by HCF/ CBWTFs earmarking of HCFs for BMW treatment to CBWTFs against distance criteria etc.,

In light of the above. I would request you to intervene in the matter and ensure that the grant of ECs by the SEIAA must be based on gap analysis studies undertaken by the concerned SPCBs/PCCs duly highlighting the difference in the BMW generated vis-à-vis the treatment available..."

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In this connection, the Authority decided to request the Member Secretary SEIAA-TN to refer back the proposal to SEAC-TN stating the following reasons,

1. The PP shall furnish the gap-analysis studies undertaken by the concerned SPCBs/PCCs duly highlighting the difference in the BMW generated vis-à-vis the treatment capacity available.
2. The PP shall furnish an agreement made with the HCFs/CBWTFs to reduce illegal dumping of BMW.
3. The PP shall furnish the Traffic analysis report.

Based on the above-mentioned D.O.No. 20/4/2021-HSMD dated 18.10.2022, the SEAC requested to reappraise the project and furnish the recommendation to Authority for further course of action.

Now, the proposal was placed for reappraisal in this 344th Meeting of SEAC held on 06.01.2023.The Project proponent made a presentation along with the clarifications for the above shortcomings observed by the SEIAA.

S.No	SEIAA Queries	Reply furnished by the PP during the meeting
1.	The PP shall furnish the gap-analysis studies undertaken by the concerned SPCBs/PCCs duly highlighting the difference in the BMW generated vis-à-vis the treatment capacity available.	M/s.Tekno Therm Industries is nearest CBMWTF located at 21 kms distance. Handling capacity – 17.000 kg/ day and operating at an average load of 7,800 kg/ day which is about 46% of its capacity. Study report for entire Tamil Nadu showsthere isno gap found in generation and quantity treated by common facility. (Source NGT in OA No.180/2021) **Conclusion:** • Presently 54% of the disposal capacity available in the CBMWTF is untapped as on date.

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		• It is more than adequate to handle the BMW generated from our expansion activity. • Hence, we assure that the expansion will not create a gap in our BMW generation and treatment.
2.	The PP shall furnish an agreement made with the HCFs/CBWTFs to reduce illegal dumping of BMW.	Agreement made on 03.11.2022 with M/s.TeknoThermIndustries for disposal of Bio Medical Wastefor the existing and proposed expansion.
3.	The PP shall furnish the Traffic analysis report.	Based on the traffic assessment study, v/c ratio is 0.69 which is less than 1.0 and hospital located at a distance of is250m away from highway and hence proposed expansion of hospital will have negligible impact on traffic, and congestion will not occurduring emergency situations.

The committee carefully examined the points raised by SEIAA and the replies given by the PP and **decided to reiterate its recommendation already made** in 332nd Meeting of SEAC held on 25.11.2022. All other conditions stipulated in the earlier minutes will remain unaltered.

Agenda No: 344-06
(File No: 9505/2022)
Proposed construction of Residential building S.Nos. 10/5, 10/6, 10/7, 10/8, 10/11A, 11/7A, 11/8A1A, 11/8B, 11/8C1A, 11/8C1B, 11/8C2, 11/8C3, 11/8C4, 11/9A, 11/10B1B, 11/10B2, 12/1A, 12/1B of Neelankarai Village & S.No. 23/24 of Seevaram Village of Sholinganallur Taluk, Chennai District, Tamilnadu by M/s. Casagrand Builder Pvt. Ltd - For Environmental Clearance. (SIA/TN/INFRA2/402702/2022, dated 13.10.2022)

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The proposal was placed in 344thSEAC meeting held on 06.01.2023.

The SEAC noted the following:

1. The Project Proponent, **M/s. Casagrand Builder Pvt. Ltd** has applied for Environmental Clearance for the Proposed **Construction of Residential building S.Nos. 10/5, 10/6, 10/7, 10/8, 10/11A, 11/7A, 11/8A1A, 11/8B, 11/8C1A, 11/8C1B, 11/8C2, 11/8C3, 11/8C4, 11/9A, 11/10B1B, 11/10B2, 12/1A, 12/1B of Neelankarai Village &S.No. 23/24 of Seevaram Village of Sholinganallur Taluk, Chennai District,Tamilnadu.**
2. The project/activity is covered under Category "B" of item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006.

During the meeting, the Committee noted that the project proponent is absent and is not available for attending the meeting. Hence the subject was not taken up for discussion.

Agenda No. 344 - 07.
File No.9515/2022
Proposed Construction of Residential Building – High Rise Group Development at SF.No:307/2B & 310/2B, Sholinganallur Village, Sholinganallur Taluk, Chennai District, Tamil Naduby M/s. Casa Grande Milestone Private Limited – For Environmental Clearance. (SIA/TN/INFRA2/403091/2022) Dt:14.10.2022.

The proposal was placed in the 344th SEAC Meeting held on 06.01.2023. The details of the minutes are available in the website (parivesh.nic. in).

The SEAC noted the following:

1. The Proponent, M/s. Casa Grande Milestone Private Limited has applied for Environmental Clearance for the proposed Construction of Residential Building – High Rise Group Development at SF.No. 307/2B & 310/2B, Sholinganallur Village, Sholinganallur Taluk, Chennai District, Tamil Nadu.
2. The project/activity is covered under category "B2" of Item 8 (a)"Building and Construction" of the schedule to the EIA Notification,2006.
3. Total Plot area proposed –19717.00 Sqm. The total built-up area proposed - 79250 Sqm. The project consists of High-rise residential building comprises of 2 Blocks.

Block 1 with Combined Basement, Stilt Floor Part/Ground Floor + 19 Upper Floors and Block 2: Club House Ground Floor + 3 Upper Floors. The Total Number of dwelling units are 331.

<table>
<tr><th>S.No</th><th></th><th>Details</th></tr>
<tr><td>1.</td><td>Name of the Project</td><td>Proposed Construction of Residential Building – High Rise Group Development by M/s. Casa Grande Milestone Private Limited</td></tr>
<tr><td>2.</td><td>Location</td><td>SF.No:307/2B & 310/2B, Sholinganallur Village, Sholinganallur Taluk, Chennai District, Tamil Nadu</td></tr>
<tr><td>3.</td><td>Type of Project</td><td>Schedule 8 (a), Category "B2" - Building and Construction Projects</td></tr>
<tr><td>4.</td><td>Latitude & Longitude</td><td>
<table>
<tr><th>Latitude</th><th>Longitude</th></tr>
<tr><td>12°53'44.52"N</td><td>80°14'7.33"E</td></tr>
<tr><td>12°53'42.37"N</td><td>80°14'7.52"E</td></tr>
<tr><td>12°53'41.93"N</td><td>80°14'7.80"E</td></tr>
<tr><td>12°53'40.17"N</td><td>80°14'7.96"E</td></tr>
<tr><td>12°53'40.10"N</td><td>80°14'7.19"E</td></tr>
<tr><td>12°53'40.88"N</td><td>80°14'6.55"E</td></tr>
<tr><td>12°53'41.31"N</td><td>80°14'4.73"E</td></tr>
<tr><td>12°53'39.60"N</td><td>80°14'4.71"E</td></tr>
<tr><td>12°53'39.02"N</td><td>80°14'9.41"E</td></tr>
</table>
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		12°53'38.47"N	80°14'9.41"E
		12°53'39.03"N	80°14'3.94"E
		12°53'41.34"N	80°14'3.98"E
		12°53'41.46"N	80°14'3.05"E
		12°53'42.07"N	80°14'2.40"E
		12°53'43.66"N	80°14'2.28"E
		12°53'44.22"N	80°14'2.98"E
		12°53'44.34"N	80°14'6.07"E

5. Total Area (in sq. m)

S.No	Details	Area (Sq.m)	(%)
1.	Total Land Area	19717.00	100
2.	Ground coverage Area	3665.38	19
3.	Driveway and Pavements	9196.3	46
4.	Open Surface Parking Area	1488.5	8
5.	Solid Waste Disposal, Substation and Transformer Yard	436.82	2
6.	OSR	1972	10

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		7.	Green belt development	2958	15	
6.	Built up area	Proposed total built-up area – 79250.00 Sq.m				
7.	Cost of Project	Rs. 145.23 crores				
8.	Brief description of the project	Built up Area Statement breakup:				

Name of the Block/Building	Built-up Area (FSI Area) Sq.m	Built-up Area Non FSI Area Sqm (Stilt)	Built-up Area Parking Area & Others (Covered Built Up Area) Sq.m	Total Built Up Area Sq.m
Block 1	62114.12	113.91	12999.06	75227.09
Block 2	1536.58	-	-	1536.58
STP	182.70	-	263.64	446.34
WTP	172.82	-	-	172.82
Transformer Yard	-	-	160.00	160.00
Security Cabin	-	-	5.76	5.76
Compound Wall	-	-	282.61	282.61
Swimming Pool	-	-	179.94	179.94
Rain Water Harvesting	-	-	36.17	36.17
Underground sump	-	-	223.49	223.49

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		Head Room	-	-	131.42	131.42
		Water Tank	-	-	177.74	177.74
		Lift Machine Room	-	-	67.17	67.17
		Other Utility Area	-	-	602.87	602.87
		Total	**64006.22**	**113.91**	**15129.87**	**79250.00**
9.	a) Water requirement KLD	During Operation Total Water Requirement - 307 kLD Total freshwater requirement - 193 kLD Fresh water for Domestic propose – 190 kLD Fresh water for Swimming Pooltopup - 3 kLD Treated wastewater requirement for Flushing purposes - 97 kLD Treated wastewater requirement for Gardening purposes - 10 kLD Treated wastewater requirement for OSR Gardening purposes - 7 kLD				
	b) Source	CMWSSB/Private Tanker				
10.	Quantity of Sewage KLD	Sewage Generation – 259 KLD				
11.	Details of Sewage Treatment Plant	Sewage Treatment Plant – 300 KLD capacity (SBR type)				

S.No	Units of STP
1	Bar Screen Chamber

		2	Collection tank		
		3	Sludge Holding Tank		
		4	SBR Tank 1		
		5	SBR Tank 2		
		6	Decanting Tank		
		7	Pressure Sand Filter		
		8	Activated Carbon Filter		
		9	Treated Water Tank		
		10	UF Treated water tank		
		11	Dewatering System – Filter Press with Screw Pumps		
		12	UV Disinfection system		
12.	Mode of Disposal of treated sewage with quantity	Total treated Sewage – 246 KLD Toilet flushing – 97 kLD Greenbelt development& OSR development – 17KLD Avenue Plantation/ CMWSSB UGSS Sewer – 132 kLD			
13.	Quantity of Solid Waste generated per day . Mode of treatment and	Description	Quantity (Tons / day)	Mode of Disposal	
		Bio degradable (@40 % of	0.440	Will be treated in organic waste	

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	Disposal of Solid Waste	waste generated)		converter and used as manure for gardening.	
		Non-Biodegradable (@60% of waste generated)	0.661	Sent to authorized recyclers or local bodies for recycling	
		STP Sludge	39	Will be used as manure for greenbelt development	
14.	Power requirement	3735 kVA (source of Power – Supply from TNEB/TANGEDCO Grid)			
15.	Details of D.G. set with Capacity	2 Nos. of 400kVA DG sets with in-built acoustic enclosures followed by Stack of Height 65m each as per CPCB Norms.			
16.	Details of Green Belt Area	2958 Sq.m			
17.	Details of Parking Area	Details	No. of Car Parkings	No. of two-wheeler Parkings	Area allotted for parking in (Sqm)
		Total amount of Parking's in Basement	400	-	5000
		Total amount of Parking's in Stilt	79	-	987.5
		Total number of car parks in Ground level (Surface parking)	98	-	1533

		Total number of Parking required as per CMDA norms	576	-	6836
		Total number of Parking's provided	**577**	-	**7520.5**
18.	Provision for rain water harvesting	No of RWH recharge pits - 32 nos.			
19.	EMP Cost (Rs.)	**Construction Phase including capital cost & O&M Cost):** Rs.17.75 Lakhs **operation Phase:** **Capital Cost – Rs.66.71 Lakhs.** **Operation & Maintenance Cost -Rs. 25.44 Lakhs.**			
20.	CER activities with the specific allocation of funds	Rs. 50 Lakhs as per SEAC Minutes			

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

1. The Proponent shall furnish the detailed report on emission, noise and vibration due to the operations of DG sets as proposed and the same shall be furnished to TNPCB before obtaining CTO and copy submitted to SEIAA-TN.

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2. The building shall conform to minimum of IGBC GOLD building norms and shall obtain IGBC GOLD certificate in this regard before obtaining CTO from TNPCB.
3. The PP shall adopt IGBC Net Zero Water System.
4. The PP shall strictly adhere to the NOC of Airport authority for multistoried building Dt: 25.11.2022 & NOC of Airport authority for Height Clearance Dt:14.10.2022.
5. The PP shall strictly adhere to the NOC on inundation point of view obtained from Public Works Department / Water Resource Department dt: 21.12.2022.
6. The PP shall obtain fresh water supply commitment letter and disposal of excess treated water from the Competent authority for before obtaining CTO.
7. **The project proponent shall provide adequate capacity of STP and treated sewage shall be utilized for flushing and green belt as proposed and committed after meeting the standards prescribed TNPCB time to time.**
8. **The project proponent shall install STP on 'BOT' basis to build, operate & maintain the STP for a minimum period of 10 years as committed before SEAC.**
9. **The project proponent shall furnish commitment letter (or) an agreement executed with the competent authority/ authorized representative for utilization of excess treated sewage for avenue plantation as committed for green belt purpose before obtaining CTO from TNPCB.**
10. The PP shall analyse the treated wastewater samples periodically through TNPCB.
11. The treated/untreated sewage water shall not be let-out from the unit premises.
12. The proponent shall provide adequate organic waste disposal facility such as organic waste convertor waste within project site as committed and non-Biodegradable waste to authorized recyclers as committed.
13. The height of the stacks of DG sets shall be provided as per the CPCB norms.
14. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc. To TNPCB before obtaining CTO.

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15. The proponent shall make proper arrangements for the utilization of the treated water from the proposed site for Toilet flushing, Green belt development & OSR and no treated water be let out of the premise.
16. The sludge generated from the Sewage Treatment Plant shall be collected and de-watered using filter press and the same shall be utilized as manure for green belt development after composting.
17. The proponent shall provide the separate wall between the STP and OSR area as per the layout furnished and committed.
18. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix, in consultation with the DFO, State Agriculture. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
19. Taller/one year old saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. 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
20. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
21. 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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22. 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.

23. No waste of any type to be disposed off in any other way other than the approved one.

24. 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.

25. 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.

26. 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.

27. The project proponent shall measure the criteria air pollutants data (including CO) due to traffic again before getting consent to operate from TNPCB and submit a copy of the same to SEIAA.

28. The PP shall install Solar panel covering 50% of roof top area to harness renewable energy before obtaining CTO from TNPCB. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.

29. That the grant of this E.C. is issued from the environmental angle only and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.

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30. 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 include demolishing plan & its mitigation measures in the EMP and adhere the same as committed.

31. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 accepted by the Project proponent, the revised CER cost is Rs. **100 Lakhs** and the amount shall be spent for the committed activities before SEAC for the 1)Panchayat Union Middle School, Sholinganallur 2) Government Higher Secondary School, Sholinganallur 3)Forest Tribal School Tirupathur Division - 20lakhs, 4) Forest Tribal School,Thiruvannamalai division – 15 lakhs & 5) Forest Tribal School Vellore division- 15 lakhs (through concern DFO) before obtaining CTO from TNPCB.

Agenda No. 344 - 08.
File No.9522 /2022
Proposed Expansion of commercial cum Residential Development at OldSF.No: 63, R.S.No: 3048, Block No.49 of Purasawalkam Village, Purasawalkkam Taluk, Chennai District, Tamilnadu by M/s. Rainbow Foundations Limited – For Environmental Clearance. (SIA/TN/INFRA2/402329/2022 Dt:11.10.2022).

The proposal was placed in the 344th SEAC Meeting held on 06.01.2023. The details of the minutes are available in the website (parivesh. nic. in).

The SEAC noted the following:

1. The Proponent, M/s. Rainbow Foundations Limitedhas applied for Environmental Clearance for the Proposed Expansion of commercial cum Residential Development at Old SF.No: 63, R.S.No: 3048, Block No.49 of Purasawalkkam Village, Purasawalkkam Taluk, Chennai District, Tamilnadu.
2. The project/activity is covered under category "B" of Item 8 (a)"Building and Construction" of the schedule to the EIA Notification2006.
3. Earlier, the Project Proponent M/s. Rainbow Foundations Limited has obtained EC vide Lr. No. SEIAA/TN/F.6855/EC/8(a)/663/2019 dated: 18.10.2019& the project consists of combined double basement (Parking) + stilt floor (parking) + 1st floor to

3rd floor (commercial use) and 4th floor to 16th floor (residential building) with total number of 100 dwelling units & 85 office space.

4. MoEF&CC Certified Compliance F.No.EP/12.1/2022-23/SEIAA/78/TN/800 dated: 28.07.2022.

5. Total Plot area proposed - 6284 Sqm. The total built-up area proposed - 43012.79Sqm. The project consists of Combined Double Basement Floor (Parking), Stilt Floor (Parking) + 1st Floor to 4th Floor partially (Commercial use) + over and above 2 towers each with 5th Floor to 17th Floor & 18th floor part for residential use totally **128 dwelling units & 9 Shops.**

<table>
<tr><th>S. No</th><th>Description</th><th>Details</th></tr>
<tr><td>1.</td><td>Name of the Project</td><td>Proposed Expansion of commercial cum Residential Development by M/s. Rainbow Foundations Limited</td></tr>
<tr><td>2.</td><td>Location</td><td>Old SF.No: 63, R.S.No: 3048, Block No.49 of Purasawalkkam Village, Purasawalkkam Taluk, Chennai District, Tamilnadu.</td></tr>
<tr><td>3.</td><td>Type of Project</td><td>Schedule 8 (a), Category "B2" - Building and Construction Projects</td></tr>
<tr><td>4.</td><td>Latitude & Longitude</td><td>Latitude Longitude
13° 5'12.80"N 80°14'52.05"E
13° 5'12.82"N 80°14'53.98"E
13° 5'9.47"N 80°14'54.13"E
13° 5'9.44"N 80°14'52.22"E</td></tr>
<tr><td>5.</td><td>Total Area
(in sq. m)</td><td>
<table>
<tr><th>S.No</th><th>Details</th><th>Area (Sqm)</th><th>Percentage (%)</th></tr>
<tr><td>1.</td><td>Total Land Area</td><td>6293.48</td><td></td></tr>
</table>
</td></tr>
</table>

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2.	Ground coverage	1950	31		
3.	Roads and Pavements	2467.48	39		
4.	Surface Parking	786	12		
5.	Utilities area	147	3		
6.	Green belt development	943	15		

6.	Built up area	Proposed total built-up area – 43012.79Sq.m
7.	Cost of Project	Rs. 131.10 crores
8.	Brief description of the project	Expansion of Existing project involves addition of upper 17th& 18th floor. The project consists of Combined Double Basement Floor (Parking), Stilt Floor (Parking) + 1st Floor to 4th Floor partially (Commercial use) + over and above 2 towers each with 5th Floor to 17th Floor & 18th floor part for residential use totally **128 dwelling units & 9 Shops.** **Built up Area Statement breakup:**

Description	Built up area (Sqm)	Non FSI Area (Sqm)	Parking Area (Sqm)	FSI Area (Sqm)	No. of Units
Basement 01	4889.53	446.81	4442.72		-
Basement 02	4867.48	99.44	4734.12	33.92	-
Stilt Floor	2847.80	334.28	2401.05	112.47	-

		First Floor	1950.56	-	-	1950.56	2 Units + 3 Shops
		Second Floor	1851.01	-	-	1851.01	6 Units +3 Shops
		Third Floor	1851.01	-	-	1851.01	6 Units +3 Shops
		Fourth Floor	1294.86	-	-	1294.86	6 Units
		Fifth Floor	1749.65	-	-	1749.65	8 Units
		Sixth Floor	1687.06	-	-	1687.06	8 Units
		Seventh Floor	1687.06	-	-	1687.06	8 Units
		Eighth Floor	1687.06	-	-	1687.06	8 Units
		Ninth Floor	1687.06	-	-	1687.06	8 Units
		Tenth Floor	1749.65	-	-	1749.65	8 Units
		Eleventh Floor	1687.06	-	-	1687.06	8 Units
		Twelveth Floor	1687.06	-	-	1687.06	8 Units
		Thirteenth Floor	1687.06	-	-	1687.06	8 Units

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		Fourteenth Floor	1687.06	-	-	1687.06	8 Units
		Fifteenth Floor	1749.65	-	-	1749.65	8 Units
		Sixteenth Floor	1687.06	-	-	1687.06	8 Units
		Seventeenth Floor	1687.06	-	-	1687.06	8 Units
		Eighteenth Floor	1055.36	-	-	1055.36	4 Units
		Terrace Floor	445.75	-	-		
		Total	43172.91	880.53	11577.89	30268.74	128 units + 9 shops
9.	a) Water requirement KLD	During Operation Total Water Requirement - 137 kLD Total freshwater requirement–85 kLD Fresh water for Domestic propose – 83 kLD Fresh water for Swimming Pooltopup - 2 kLD Treated wastewater requirement for Flushing purposes - 49 kLD Treated wastewater requirement for Gardening purposes - 3 kLD					
	b) Source	CMWSSB/Private Tanker					

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<table>
<tr><td>10.</td><td>Quantity of Sewage KLD</td><td>Sewage Generation – 124 KLD</td></tr>
<tr><td>11.</td><td>Details of Sewage Treatment Plant</td><td>Sewage Treatment Plant – 150 KLD capacity (SBR type)
<table><tr><th>S.No</th><th>Units of STP</th></tr><tr><td>1.</td><td>Bar Screen Chamber</td></tr><tr><td>2.</td><td>Collection tank</td></tr><tr><td>3.</td><td>Anoxic Tank</td></tr><tr><td>4.</td><td>SBR Tank</td></tr><tr><td>5.</td><td>Decanting Tank</td></tr><tr><td>6.</td><td>Pressure Sand Filter</td></tr><tr><td>7.</td><td>Activated Carbon Filter</td></tr><tr><td>8.</td><td>Sludge Holding Tank</td></tr><tr><td>9.</td><td>Treated Water Tank</td></tr><tr><td>10</td><td>UV Disinfection system</td></tr><tr><td>11</td><td>Dewatering System – Filter Press with Screw Pumps</td></tr></table></td></tr>
<tr><td>12.</td><td>Mode of Disposal of treated sewage with quantity</td><td>Total treated Sewage – 118 KLD
Toilet flushing – 49 kLD
Greenbelt development & OSR development – 3 KLD
CMWSSB UGSS Sewerline – 66 kLD</td></tr>
</table>

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<table>
<tr><td>13.</td><td>Quantity of Solid Waste generated per day . Mode of treatment and Disposal of Solid Waste</td><td>
<table>
<tr><td>Description</td><td>Quantity (Tons / day)</td><td>Mode of Disposal</td></tr>
<tr><td>Bio degradable (@40 % of waste generated)</td><td>0.241</td><td>Will be treated in organic waste converter and used as manure for gardening.</td></tr>
<tr><td>Non-Biodegradable (@60% of waste generated)</td><td>0.362</td><td>Sent to authorized recyclers or local bodies for recycling</td></tr>
<tr><td>STP Sludge</td><td>0.25</td><td>Will be used as manure for greenbelt development</td></tr>
</table>
</td></tr>
<tr><td>14.</td><td>Power requirement</td><td>1500 kVA (source of Power – Supply from TNEB/TANGEDCO Grid)</td></tr>
<tr><td>15.</td><td>Details of D.G. set with Capacity</td><td>1 Nos. of 150kVA DG sets with in-built acoustic enclosures followed by Stack of Height 56 m each as per CPCB Norms.</td></tr>
<tr><td>16.</td><td>Details of Green Belt Area</td><td>943Sq.m</td></tr>
<tr><td>17.</td><td>Details of Parking Area</td><td>
<table>
<tr><td>Details</td><td>No. of Car parking</td><td>No of two wheeler parking</td><td>Area allotted for parking in (Sqm)</td></tr>
</table>
</td></tr>
</table>

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		Total number of parking in Basement 1	120	-	4442.72
		Total number of parking in Basement 2	113	-	4734.12
		Total number of parking in Stilt	110	30	2401.05
		Total number of Parking required	**341**	**30**	-
		Total number of Parking Provided	**343**	**30**	**11577.89**
18.	Provision for rain water harvesting	RWH Storage Tank - 50 Cu.m. No. of RWH recharge pits - 28 nos.			
19.	EMP Cost (Rs.)	**Construction Phase including capital cost & O&M Cost):** Rs.38.3 Lakhs **Operation Phase:** **Capital Cost – Rs.112 Lakhs.** **Operation & Maintenance Cost -Rs. 28.46 Lakhs.**			
20.	CER activities with the specific	Rs.2.42 Crores Lakhs as per SEAC Minutes for existing activity (Rs. 1.92 Crores) as well as proposed expansion activity (Rs. 0.5 Crores).			

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	allocation of funds	*SCHools list not furnished*

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

1. The Proponent shall furnish the detailed report on emission, noise and vibration due to the operations of DG sets as proposed and the same shall be furnished to TNPCB before obtaining CTO and copy submitted to SEIAA-TN.
2. The building shall conform to minimum of IGBC GOLD building norms and shall obtain IGBC GOLD certificate in this regard before obtaining CTO from TNPCB.
3. The PP shall adopt IGBC Net Zero Water System.
4. The PP shall obtain fresh water supply commitment letter and disposal of excess treated water from the Competent authority for before obtaining CTO from TNPCB.
5. **The project proponent shall provide adequate capacity of STP and treated sewage shall be utilized for flushing and green belt as proposed and committed after meeting the standards prescribed TNPCB time to time.**
6. **The project proponent shall install STP on 'BOT' basis to build, operate & maintain the STP for a minimum period of 10 years as committed before SEAC.**
7. **The project proponent shall furnish commitment letter (or) an agreement executed with the competent authority/ authorized representative for utilization of excess treated sewage for avenue plantation as committed for green belt purpose before obtaining CTO.**
8. The PP shall analyse the treated wastewater samples periodically through TNPCB.

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9. The treated/untreated sewage water shall not be let-out from the unit premises.
10. The proponent shall provide adequate organic waste disposal facility such as organic waste convertor waste within project site as committed and non-Biodegradable waste to authorized recyclers as committed.
11. The height of the stacks of DG sets shall be provided as per the CPCB norms.
12. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc. To TNPCB before obtaining CTO.
13. The proponent shall make proper arrangements for the utilization of the treated water from the proposed site for Toilet flushing, Green belt development & OSR and no treated water be let out of the premise.
14. The sludge generated from the Sewage Treatment Plant shall be collected and de-watered using filter press and the same shall be utilized as manure for green belt development after composting.
15. The proponent shall provide the separate wall between the STPand OSR area as per the layout furnished and committed.
16. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix, in consultation with the DFO, State Agriculture. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
17. Taller/one year old saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. 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

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18. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
19. 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.
20. 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.
21. No waste of any type to be disposed off in any other way other than the approved one.
22. 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.
23. 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.
24. 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.
25. The project proponent shall measure the criteria air pollutants data (including CO) due to traffic again before getting consent to operate from TNPCB and submit a copy of the same to SEIAA.
32. The PP shall install Solar panel covering 50% of roof top area to harness renewable energy before obtaining CTO from TNPCB. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.

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26. That the grant of this E.C. is issued from the environmental angle only and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
27. 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 include demolishing plan & its mitigation measures in the EMP and adhere the same as committed.
28. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 accepted by the Project proponent, the revised CER cost is Rs. Rs.2.42 Crores Lakhs for the existing activity (Rs. 1.92 Crores) as well as for the proposed expansion activity (Rs. 0.5 Crores) and the amount shall be spent in Govt. Schools for the committed activities before obtaining CTO from TNPCB.

Agenda No: 344-09
(File No: 9539/2022)
Proposed to Construction of residential building at S.Nos. 5/1B, 5/2, 18/2A, 18/2B, 18/3, 19/1, 19/2, 21/1, 21/3, 21/4A, 22/1 of Agaramthen Village, Tambaram Taluk and Chengalpet District by M/s Casa Grande Civil Engineering Pvt Ltd,- For Environment Clearance. (SIA/TN/INFRA2/400241/2022, Dated: 29.09.2022)

The proposal was placed in the 344thmeeting of SEAC held on 30.12.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent M/s Casa Grande Civil Engineering Pvt Ltd has applied for Environment Clearance for the Proposed to Construction of Residential building at S.Nos. 5/1B,5/2,18/2A,18/2B,18/3,19/1,19/2,21/1,21/3,21/4A,22/1 of Agaramthen Village, Tambaram Taluk and Chengalpet District.
2. The project/activity is covered under Schedule B2 Category 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006, as amended.

3. The Residential development consists of 2 Blocks with Combined Extended Basement + Ground Floor + 5 Floors (Block 1: Ground floor + 5 upper Floors with clubhouse: Ground + 4 upper floors, swimming pool on the first-floor level), Block 2: Ground floor + 5 upper Floors with Totally 360 Dwelling Units.

1.	Name of the Project	Proposed Construction of Residential group development by M/s Casa Grande Civil Engineering Private Limited
2.	Location Latitude & Longitude	S.No. 5/1B, 5/2, 18/2A, 18/2B, 18/3, 19/1, 19/2, 21/1, 21/3, 21/4A, 22/1 of Agaramthen Village, Tambaram Taluk and Chengalpet District 12°53'2.42"N 80° 9'34.53"E 12°53'2.39"N 80° 9'37.45"E 12°53'1.05"N 80° 9'34.55"E 12°53'0.97"N 80° 9'35.83"E 12°53'0.98"N 80° 9'38.62"E 12°52'58.37"N 80° 9'35.87"E 12°52'58.33"N 80° 9'37.32"E 12°52'58.18"N 80° 9'38.55"E 12°52'55.62"N 80° 9'37.27"E 12°52'56.84"N 80° 9'38.67"E 12°52'55.66"N 80° 9'40.04"E
3.	Type of Project	B2 Category 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006
4.	Brief Description of the project	The project consists of 2 Blocks with Combined Extended Basement + Ground Floor + 5 Floors (Block 1: Ground floor + 5 upper Floors with clubhouse: Ground + 4 upper floors, swimming pool on the first floor level), Block 2: Ground floor + 5 upper Floors with Totally 360 Dwelling Units.
5.	Total Area (in sq. m) - **20881.798** Sqm.	

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	S.No	Details	Area (Sqm)	Percentage (%)
	1.	Total Land Area	20881.798	
		Area for Road to be gifted	1068.82	
		Net Plot area	19812.978	100
	2.	Ground coverage	9575.92	48
	3.	Roads and Pavements	1414.668	7
	4.	Utilities area	245.62	1
	5.	OSR	1996.29	10
	6.	Green belt development	2972	15
	7.	Landscape area	3608.48	19
6.	Built up Area (in sq. m)		62532.73 Sqm	
7.	No. of dwelling units		360 Dwelling Units	
8.	Cost of Project		Rs 95.3 Crore	
9.	Water requirement in KLD and Source		Total water requirement - 267 kLD; Domestic Fresh water requirement -164 kLD and Fresh water for Swimming Pool -2kLD; Treated Wastewater for flushing , Greenbelt development & OSR - 101 kLD; Source for Fresh water - Agaramthen Panchayat	
10.	Sewage Generation, Treatment and Disposal		Total waste water generation–232 kLD, treated waste water – 220kLD. STP Capacity – 270kLD	

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<table>
<tr><td></td><td></td><td>Treated waste water for Flushing purposes – 84kLD

Treated waste water for Gardening purposes – 10kLD

Treated waste water for OSR Gardening purposes - 7kLD

Avenue plantation – 119kLD</td></tr>
<tr><td>11.</td><td>Details of Sewage Treatment plant</td><td>Bar Screen Chamber
Equalization tank
SBR Tank – 1
SBR Tank –2
Decant Tank
Sludge Holding Tank
Pressure Sand Filter
Activated Carbon Filter
Treated Water Tank
UF Treated Water Tank
UV Disinfection system
Dewatering system – filter press with screw pumps</td></tr>
<tr><td>12.</td><td>Quantity of Solid Waste generated per day, Mode of treatment and Disposal of Solid Waste</td><td>
<table>
<tr><th>Description</th><th>Quantity (kg/day)</th><th>Mode of treatment / disposal</th></tr>
<tr><td>Biodegradable Waste (40% of waste generated)</td><td>449</td><td>The Biodegradable waste will be processed in the proposed Organic waste converter to be installed in the site.</td></tr>
<tr><td>Non-Biodegradable waste (@60% of waste generated</td><td>674</td><td>Waste will be sold to recyclers</td></tr>
<tr><td>STP Sludge</td><td>25kg/day</td><td>Will be mixed with compost from Organic waste</td></tr>
</table>
</td></tr>
</table>

<table>
<tr><td></td><td></td><td colspan="3">converter and will be used as a Manure for Greenbelt development in site.</td></tr>
<tr><td>13.</td><td>Power requirement</td><td colspan="4">3247 KVA , Source – TNEB grid.</td></tr>
<tr><td>14.</td><td>Details of D.G. set with Capacity

Stack Height</td><td colspan="4">DG sets of 1 x 200KVA, 1 x 180KVA, 1 x 160 KVA, 1 x 250KVA

Stack height of 21 m for all the DG is proposed as per CPCB specifications.</td></tr>
<tr><td>15.</td><td>Solar Proposal</td><td colspan="4"><table><tr><td>S.No</td><td>Description</td><td>Roof area in Sqm</td><td>Area per kW (Sqm) TEDA</td><td>Solar power in kW</td></tr><tr><td>1</td><td>50 % of Roof area</td><td>4788</td><td>12</td><td>400</td></tr><tr><td colspan="4">Total Load in kW</td><td>400</td></tr></table>Total Roof area – 9575.92 Sqm</td></tr>
<tr><td>16.</td><td>Details of Parking Area</td><td colspan="4"><table><tr><td>Details</td><td>No. of CarParking</td><td>No. of two-wheeler parking</td><td>Area allotted for parking in (Sqm)</td></tr><tr><td>Total amount of Parkings in Basement floor</td><td>361</td><td>174</td><td>11805.91</td></tr><tr><td>Total number of Parking required as per CMDA norms</td><td>327</td><td>164</td><td>-</td></tr></table></td></tr>
</table>

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		10% Visitor Car parking required as per CMDA norms	34	-	-	
		Total number of Parking's provided	361	174	11805.91	
17.	Details of Green Belt Area	Green Belt Area- **2972 sqm** (15 % of total Plot area) &No of trees required –**250Nos**				
18.	Provision for rain water harvesting	**Total Rainwater Runoff - 11847 Cum** Rainwater collection sump capacity- 200 KLD (100% of the roof top, collection per day is 195 KLD) Remaining rainwater will be recharged into recharge pit. **Recharge pit** : 32 Nos with Dia 1.2 m, depth 2m – 42cu.m				
19.	EMP Cost (Rs.)	**Construction Phase:** Capital Expenses – Rs.9.8Lakh Operational Expenses – Rs. 28.5Lakh **Operational Phase:** Capital Cost - Rs. 113 Lakh Recurring Cost – Rs. 36.34 lakh/annum				
20.	CER activities with the specific allocation of funds	Rs.1 Crore				

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

1. The project proponent shall obtain IGBC Platinum rating for the construction project.
2. The project proponent shall maintain minimum 15% green belt as committed.
3. The proponent shall provide adequate organic waste disposal facility such as organic waste convertor waste within project site as committed and non- Biodegradable waste to authorized recyclers as committed.
4. The project proponent shall adopt air cooling HVAC system instead of water cooling system.
5. Project proponent shall ensure that DG sets are run on minimum of 50% green energy sources instead of Diesel.
6. The height of the stacks of DG sets shall be provided as per the CPCB norms.
7. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc. to TNPCB before obtaining CTO.
8. The project proponent shall provide STP of capacity 100 KLD and ETP of capacity 10 kLD and the total treated water of 85 kLD shall be utilized for flushing and green belt after ensuring that the vital parameters conform to the standards prescribed by CPCB time to time.
9. The proponent shall make proper arrangements for the utilization of the treated water from the proposed site for Toilet flushing, Green belt development, OSR, and no treated water shall be let out of the premise.
10. The sludge generated from the Sewage Treatment Plant shall be collected and de-watered using filter press and the same shall be utilized as manure for green belt development after composting.
11. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix, in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of

small/medium/tall trees alternating with shrubs should be planted in a mixed manner.

12. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted with proper spacing as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. 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.

13. The unit shall ensure the compliance of land use classification fit for construction.

14. The project proponent shall provide entry and exit points for the OSR area, play area as per the norms for the pubic usage and as committed.

15. The project proponent shall construct a pond of appropriate size in the earmarked OSR land in consultation with the local body. The pond should be modelled like a temple tank with parapet walls, steps, etc. The pond is meant to play three hydraulic roles, namely (1) as a storage, which acted as insurance against low rainfall periods and also recharges groundwater in the surrounding area, (2) as a flood control measure, preventing soil erosion and wastage of runoff waters during the period of heavy rainfall, and (3) as a device which was crucial to the overall eco-system.

16. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.

17. The Project Proponent shall comply with the provisions given under the Bio Medical Waste Management Rules, 2016, as amended at all times.

18. 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.

19. 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.

20. No waste of any type to be disposed of in any other way other than the approved one.

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21. 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.

22. The project proponent shall furnish commitment for post-COVID health management for construction workers as per ICMR and MHA or the State Government guidelines.

23. The project proponent shall provide a medical facility, possibly with a medical

24. officer in the project site for continuous monitoring the health of construction workers during COVID and Post - COVID period.

25. The project proponent shall measure the criteria air pollutants data (including CO) due to traffic again before getting consent to operate from TNPCB and submit a copy of the same to SEIAA.

26. Solar energy should be at least 25% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.

27. That the grant of this E.C. is issued from the environmental angle only and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.

28. 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 the EMP as committed.

29. As accepted by the Project Proponent the CER cost is **Rs.1 Crore** and the amount shall be spent for the activities in two government schools (one Forest tribal school and one Govt school) as committed by the proponent before obtaining CTO from TNPCB.

Agenda No: 344- 10
(FileNo:9540/2022)
proposed Construction of IT Tower by, at S.No. 602/3A, Shollinganallur village, Shollinganallur,Chennai, Tamil Nadu by M/s. Electronics Corporation of Tamil Nadu Ltd- Forthe grant of Terms of Reference. (SIA/TN/INFRA2/402960/2022,dated14.10.2022)

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The proposal was placed in this 344th SEAC Meeting held on 06.01.2023.The project proponent gave available detailed presentation. The details of the project furnished by the proponent are in the website (parivesh.nic.in). The project proponent gave detailed presentation.

SEAC noted the following:

1. The Proponent, M/s. Electronics Corporation of Tamil Nadu Ltd has applied for the grant of Terms of Reference for the Construction of IT Tower by, at S.No. 602/3A, Shollinganallur village, Shollinganallur, Chennai, Tamil Nadu.
2. The project/activity is covered under Category "B "of item 8(a)" Building & Construction" of the Schedule to the EIA Notification, 2006.
3. The proposal comes under violation category.

SEAC noted that the proponent has submitted request for withdraw for online proposal number vide SIA/TN/INFRA2/408105/2022 Dt: 28.11.2022 and committee accepts the request for withdraw and SEIAA may take up the withdrawal process with the proponent based on merits.

The SEAC noted that, the MoEF&CC has issued office memorandum Dated 28thJanuary, 2022 regarding observation of Hon'ble Supreme Court with reference to the SoP dated 7th July 2021 for identification and handling of violation cases under EIA Notification 2006 and stated that "*93. The interim order passed by the Madras High Court appears to be misconceived. However, this Court is no the aring an appeal from that interim order. The interim stay passed by the Madras High Court can have no application to operation of the Standard Operating Procedure to projects in territories beyond the territorial jurisdiction of Madras HighCourt. Moreover, final decision may have been taken in accordance with the Orders/Rules prevailing prior to 7th July,2021.*"

Based on the presentation & documents furnished, since the PP has completed the project without obtaining EC and has also not applied during the window period, this has to be treated as violation case. Hence SEAC decided to issue following Terms of Reference along with submission of assessment of ecological damage, remediation

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plan and natural and community resource augmentation plan, as per Notification vide S.O.804(E) Dt.14.3.2017 Terms of Reference are issued subject to final orders of the Hon'ble High Court of Madras in the matter W.P.(MD)No.11757of2021.Mere preparation of EIA report will not entitle the PP to EC which will be based on the final Judgement of the Hon'ble High Court of Madras in the matter W.P.(MD)No.11757of2021.

1. Copy of the village map, FMB sketch and "A" register shall be furnished.
2. Detailed Evacuation plan during emergency/natural disaster/untoward accidents shall be submitted.
3. The treated/untreated sewage water shall not be let-out from the unit premises accordingly revised water balance shall be incorporated.
4. As per G.O. Ms. No. 142 approval from Central Ground Water Authority shall be obtained for withdrawal of water and furnish the copy of the same, if applicable.
5. Commitment letter from competent authority for supply of water shall be furnished.
6. The space allotment for solid waste disposal and sewage treatment & grey water treatment plant shall be furnished.
7. Details of the Solid waste management plan shall be pre pared as per solid waste management Rules, 2016 and shall be furnished.
8. Details of the E-waste management plan shallbepreparedasperE-wasteManagementRules,2016andshallbefurnished.
9. Details of the Rain water harvesting system with cost estimation should be furnished.
10. A detailed storm water management plan to drain out the storm water entering the premises during heavy rains period shall be prepared including main drains and sub-drains in accordance with the contour levels of the proposed project considering the flood occurred in the year 2015 and also considering the water bodies around the proposed project site & the surrounding development. The

storm water drain shall be designed in accordance with the guidelines prescribed by the Ministry of Urban Development.

11. The proposed OSR area should not be included in the activity area. The OSR area should not be taken in to account for the green belt area.
12. The layout plan shall be furnished for the greenbelt area earmarked with GPS coordinates by the project proponent on the periphery of the site and the same shall be submitted for CMDA/DTCP approval. The green belt width should be at least 3m wide all along the boundaries of the project site. The green belt area should not be less than 15%of the total land area of the project.
13. Cumulative impacts of the Project considering with other infrastructure developments and industrial parks in the surrounding environment within 5 km & 10 km radius shall be furnished.
14. A detailed post-COVID health management plan for construction workers as per ICMR and MHA or the State Govt. guideline may be followed and report shall be furnished.
15. The project proponent shall furnish detailed baseline monitoring data with prediction parameters for modelling for the ground water, emission, noise and traffic.
16. The proposal for utilization of at least 25% of Solar Energy shall be included in the EIA/EMP report.
17. As per the MoEF&CC Office Memorandum F.No.22-65/2017-IA.IIIdated: 30.09.2020 and 20.10.2020, the proponent shall furnish the detailed EMP mentioning all the activities as directed by SEAC.

Agenda No. 344 - 11.
(File No: 9541/2022)
Proposed construction of high rise hospital building at Plot No: 23,24,25,26,48/1, & 48/2, New Door No: 24,26,28,30,142, & 140, Old Door No: 23,22,21,20,133, & 134 And Plot No: 18,19,20,21, & 22, New Door No: 14,16,18,20, & 22, Old Door No: 28,27,26,25, & 24 of St.Mary's Road, Alwarpet at S.F No: 3676 Part, Block No: 73 in Mylapore Village, Mylapore Taluk, Chennai District, Tamilnadu by M/s MGM Health Care Private Limited– For Environmental Clearance. (SIA/TN/INFRA2/404284/2022), Dt:26.10.2022.

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The proposal is placed in this 344th SEAC Meeting held on 06.01.2023. The details of the proposal furnished by the project proponent are available in the website (parivesh.nic. in).

The SEAC noted the following:

1. The project proponent M/s MGM Health Care Private Limited has applied for Environmental Clearance for the Proposed construction of high rise hospital building at Plot No: 23,24,25,26,48/1, & 48/2, New Door No: 24,26,28,30,142, & 140, Old Door No: 23,22,21,20,133, & 134 And Plot No: 18,19,20,21, & 22, New Door No: 14,16,18,20, & 22, Old Door No: 28,27,26,25, & 24 of St.Mary's Road, Alwarpet at SF No: 3676 Part, Block No: 73 in Mylapore Village, Mylapore Taluk, Chennai District, Tamilnadu.
2. The project/activity is covered under Category "B" of Item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006.
3. The salient features of the project are as follows:

Sr No	Description	Details
1.	Name of the Project	Proposed construction of high-rise hospital building by M/s MGM Health Care Private Limited
2.	Location	Plot No: 23,24,25,26,48/1, & 48/2, New Door No: 24,26,28,30,142, & 140, Old Door No: 23,22,21,20,133, & 134 And Plot No: 18,19,20,21, & 22, New Door No: 14,16,18,20, & 22, Old Door No: 28,27,26,25, & 24 of St.Mary's Road, Alwarpet at SF No: 3676 Part, Block No: 73 in Mylapore Village, Mylapore Taluk, Chennai District, Tamilnadu
3.	Type of Project	Schedule 8(a) Building and Construction Projects
4.	Latitude & Longitude	Latitude: 13°1'49.83"N, Longitude: 80°15'6.58"E Latitude: 13°1'49.77"N, Longitude: 80°15'7.54"E Latitude: 13°1'47.95"N, Longitude: 80°15'4.69"E

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<table>
<tr><td></td><td></td><td>
<table>
<tr><td>13°1'47.73"N</td><td>80°15'5.88"E</td></tr>
<tr><td>13°1'44.85"N</td><td>80°15'3.65"E</td></tr>
<tr><td>13°1'44.67"N</td><td>80°15'5.79"E</td></tr>
<tr><td>13°1'46.65"N</td><td>80°15'6.74"E</td></tr>
</table>
</td></tr>
<tr><td>5.</td><td>Total Area (in sq. m)</td><td>
<table>
<tr><th>S.No</th><th>Details</th><th>Area in Sq.m</th></tr>
<tr><td>1.</td><td>Total Land Area</td><td>6473.24</td></tr>
<tr><td>2.</td><td>Ground coverage area of Proposed buildings(30.6%)</td><td>1982.24</td></tr>
<tr><td>3.</td><td>Roads and Pavements Area(36.8%)</td><td>2383.69</td></tr>
<tr><td>4.</td><td>Surfaceoropen Parking Area(13.1%)</td><td>846</td></tr>
<tr><td>5.</td><td>Solid waste, STP and otherutilities(4.5%)</td><td>290.31</td></tr>
<tr><td>6.</td><td>Green belt development Area(15%)</td><td>971</td></tr>
</table>
</td></tr>
<tr><td>6.</td><td>Built up area</td><td>29,271.29 Sqm.</td></tr>
<tr><td>7.</td><td>Cost of Project</td><td>Rs. 381.5 Crores</td></tr>
</table>

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8.	Brief description of the project	**Name of the Block/Building**	**FSI Area Sqm**	**Non FSI Area Sqm**	**Total Built Up Area (Sq.m)**
		Hospital Block			
		Basement1	120.31	2724.47	2844.78
		Basement2	309.9	2534.88	2844.78
		Basement3	183.27	2382.09	2565.36
		Ground Floor	1731.39		1731.39
		1stfloor	1677.26		1677.26
		2ndFloor	1873.82		1873.82
		3rdFloor	1873.82		1873.82
		4thFloor	1873.82		1873.82
		5thFloor	1873.82		1873.82
		6thFloor	1840.49		1840.49
		7thFloor	1769.22		1769.22
		8thFloor	1602.05		1602.05
		9thFloor	1602.05		1602.05
		10thFloor	1602.05		1602.05
		11thFloor	1548.3		1548.3
		Total	**21481.57**	**7641.44**	**29,123**
		Total Built-Up Area(A)	**29123.01**		
		Services Block			
		Ground Floor	39.86		39.86
		1stfloor	108.42		108.42
		Total	148.28		148.28
		Total Built-Up Area(B)	**148.28**		
		Grand Total Built-Up Area(A+B)	**29271.29Sq.m**		

9.	a) Water requirement KLD	**S. No.**	**Details**	**Quantity (KLD)**
		1.	Total Water Requirement	331
		2.	Fresh Water Requirement	145
		3.	Recycled Water for Flushing &HVAC	183

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<table>
<tr><td></td><td></td><td><table><tr><td>4.</td><td>Treated wastewater for Gardening</td><td>3</td></tr></table></td></tr>
<tr><td></td><td>b) Source</td><td>Fresh water source: CMWSSB</td></tr>
<tr><td>10.</td><td>Quantity of Sewage/ effluent generation KLD</td><td>Sewage Generation – 173 KLD
Effluent Generation – 24 KLD</td></tr>
<tr><td>11.</td><td>Details of Sewage Treatment Plant</td><td>STP capacity – 300KLD (SBR Technology)
<table><tr><th>S.No</th><th>Description</th><th>Size(m)</th><th>Capacity(m^3)</th></tr><tr><td>1</td><td>Bar Screen Chamber</td><td>1.0x1.0x1.5</td><td>-</td></tr><tr><td>2</td><td>Equalization tank</td><td>5.2x3.3x7.4</td><td>130</td></tr><tr><td>3</td><td>Pre-Aeration/Anoxic Tank</td><td>1.6x4.3x7.3</td><td>50</td></tr><tr><td>4</td><td>SBR tank</td><td>4.3x7.1x8.0</td><td>200</td></tr><tr><td>5</td><td>Decant Water Tank</td><td>3.5x4.3x6.5</td><td>80</td></tr><tr><td>6</td><td>Sludge Holding Tank</td><td>3.3x2.5x4.0</td><td>50</td></tr><tr><td>7</td><td>Treated Water Tank</td><td>6.2x4.3x5.0</td><td>150</td></tr><tr><td>8</td><td>UFTreated Water Tank</td><td>5.5x3.7x4.5</td><td>83</td></tr></table></td></tr>
</table>

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<table>
<tr><td>12.</td><td>Details of Effluent Treatment Plant</td><td>Effluent Treatment Plant Capacity – 51KLD
<table>
<tr><th>S.No.</th><th>Unit</th><th>Dimension (m)</th><th>Capacity, m^3</th></tr>
<tr><td>1</td><td>Bar Screen Chamber</td><td>0.6x0.6x1.0</td><td>-</td></tr>
<tr><td>2</td><td>Collection Tank-I</td><td>2.1x2.7x2.7</td><td>15.3</td></tr>
<tr><td>3</td><td>Collection Tank-II</td><td>2.1x2.7x2.7</td><td>15.3</td></tr>
<tr><td>4</td><td>Flocculation Tank</td><td>0.5x 4.5x 4.5</td><td>10.1</td></tr>
<tr><td>5</td><td>Settling Tank</td><td>2.0x2.0x4.5</td><td>18</td></tr>
<tr><td>6</td><td>Treated water Tank</td><td>1.6x4.0x4.5</td><td>28.8</td></tr>
</table></td></tr>
<tr><td>13.</td><td>Mode of Disposal of treated sewage with quantity</td><td>Treated wastewater and ETP water – 186 KLD
i) HVAC – 125 KLD
ii) Green belt development – 3 KLD
iii) Flushing – 58 KLD</td></tr>
<tr><td>14.</td><td>Quantity of Solid Waste generated per day, Mode of treatment and Disposal of Solid Waste</td><td>
<table>
<tr><th>S.No.</th><th>Description</th><th>Quantity (kg/day)</th><th>Mode Of treatment/ disposal</th></tr>
<tr><td>1</td><td>Biodegradable(@40 %of wastegenerated)</td><td>174</td><td>Will be treated in Organic Waste Converter and used as manure for gardening.</td></tr>
<tr><td>2</td><td>Non-Biodegradable(@60 %ofwastegenerated)</td><td>261</td><td>Sent to authorized recyclers or local bodies for recycling</td></tr>
</table></td></tr>
</table>

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<table>
<tr><td></td><td></td><td>
<table>
<tr><td>3</td><td>STPsludge</td><td>20</td><td>Will be treated in Organic Waste Converter and used as manure for gardening.</td></tr>
</table>
</td></tr>
<tr><td>15.</td><td>Biomedical waste generation and management</td><td>
<table>
<tr><th>S. No</th><th>Description</th><th>No.of Persons</th><th>Waste generation (kg/day/capita)</th><th>Waste generated (kg/day)</th><th colspan="2">Biomedical Waste (kg/day)</th></tr>
<tr><td>1</td><td>Inpatient</td><td>274</td><td>1.5</td><td>411</td><td>25% oftotal waste</td><td>102.75</td></tr>
<tr><td>2</td><td>Outpatient</td><td>822</td><td>0.3</td><td>246.6</td><td>25% oftotal waste</td><td>61.65</td></tr>
<tr><td colspan="4">Total</td><td>657.6</td><td colspan="2">164</td></tr>
</table>
Biomedical waste will be disposed through TNPCB authorized recyclers.
</td></tr>
<tr><td>16.</td><td>Power requirement</td><td>▪ Power requirement–2000KVA (Sourceofpower– TANGEDCO)</td></tr>
<tr><td>17.</td><td>Details of D.G. set with Capacity</td><td>DG sets : 2 Nos x 1500 KVA Capacities
▪ All the DG sets will be provided with Inbuilt Acoustic enclosures to comply with the noise level standards prescribed by CPCB.</td></tr>
</table>

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		▪ Stacks height will be provided in compliance with CPCB Norms.
18.	Details of Green Belt Area	Green Belt Area- **971** sq.m(15 % of total Plot area)
19.	Details of Parking Area	

Details	No. of Carparks	No.oftwo-wheeler parks	Areaallotted Forparkingin (Sqm)
Total number of Parking in Ground Level(Surfaceparking)	58	0	846
Total number of Parking in Ground Level(Basement1,2&3)	153	211	7641.44
Total number of parking required as per CMDAnorms	211	211	8487.44
Total number of parking provided	**211**	**211**	

20.	Provision for rainwater harvesting	**Description**	**Areain Sqm**	**Coefficiento frunoff**	**Annua lRainfa ll inm**	**TotalRa inwater Runoff Cum**
		RoofTopArea	1982.24	0.85	1.2	2021.88 48

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		RoadArea	2383.69	0.75	1.2	2145.321
		GreenArea	971	0.25	1.2	291.3
		Considering 50 rainy days per Annum,per day runoff willbe				89cum
		Rainwatercollectiontankproposedfor100%ofthero oftopcollectioni.e. 40cum(Per day rooftop collection) 50Cum Rainwater storage tank proposed in the site				40cum
		Remaining Storm water will be recharge into recharge pit. Recharge pit: 21 NoswithDia1m,depth 3m.				49cum
		100% of storm water is managed within the project site.				
21.	EMP Cost (Rs.)	**During Construction Phase** Capital Cost – Rs. 15.25 Lakhs O & M Cost – Rs. 4.68 Lakhs **During Operation Phase** Capital Cost – Rs. 126.2 Lakhs Recurring Cost – Rs. 67.5 Lakhs				

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

1. **The building shall conform to minimum of IGBC Gold green building norms and shall obtain IGBC certificate in this regard before obtaining CTO from TNPCB.**
2. The Project Proponent shall adopt IGBC Net Zero Water System.
3. The Project Proponent shall provide STP of capacity 300 KLD and ETP of capacity 51 KLD and the treated water shall be utilized for flushing, dust suppression and green belt/avenue plantation as committed.
4. The Project Proponent shall provide ETP of capacity 51 KLD and the treated water

shall be utilized for HVAC, flushing and green belt development as committed.

5. No treated water shall be discharged into proposed OSR pond.
6. The Project Proponent shall analyse the treated wastewater samples periodically through TNPCB.
7. The Project Proponent shall provide Organic Waste Converter and the generated manure shall be used for Green belt development as committed.
8. The height of the stacks of DG sets shall be provided as per the CPCB norms.
9. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc. To TNPCB before obtaining CTO.
10. The proponent shall make proper arrangements for the utilization of the treated water from the proposed site for Toilet flushing, Dust suppression and Green belt development and no treated water be let out of the premise.
11. The sludge generated from the Sewage Treatment Plant shall be collected and de-watered using filter press and the same shall be utilized as manure for green belt development after composting.
12. The proponent shall provide the separate wall between the STP and OSR area as per the layout furnished and committed.
13. The proponent shall provide adequate Car/two-wheeler parking as committed.
14. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix, in consultation with the DFO, State Agriculture. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
15. Taller/one year old saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. 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.
16. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.

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17. The generated Bio medical waste shall be handled as per Bio Medical waste management Rules 2016.

18. The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Bio-Medical Waste Management Rules, 2016, asamended for the generation of Bio-medical waste within the premises.

19. 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.

20. 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.

21. No waste of any type to be disposed of in any other way other than the approved one.

22. 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.

23. 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.

24. 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.

25. Half of the roof area shall be covered with Solar panels and utilization of the solar energy should not be less than 10% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.

26. That the grant of this E.C. is issued from the environmental angle only and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility,

to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.

27. 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 include demolishing plan & its mitigation measures in the EMP and adhere the same as committed.

28. The project proponent shall construct a pond of appropriate size in the earmarked OSR land in consultation with the local body. The pond should be modelled like a temple tank with parapet walls, steps, etc. The pond is meant to play three hydraulic roles, namely (1) as a storage, which acted as insurance against low rainfall periods and also recharges groundwater in the surrounding area, (2) as a flood control measure, preventing soil erosion and wastage of runoff waters during the period of heavy rainfall, and (3) as a device which was crucial to the overall eco-system.

29. As accepted by the Project Proponent, an amount of Rs. 300 Lakhs shall be spent towards CER for the activities committed by the Proponent as follows:

S.No.	Beneficiary	CER Activity	Amount (Rs. Lakhs)
1	Chennai Corporation	Dialysis unit in 2 Urban Health Care Centres.	200
2	Chennai Higher Secondary School, Alwarpet	i. Green belt development in the school. ii. Providing hygiene toilet rooms for students. iii. Providing Environmental related books in the school library. iv. Electrical incinerators for disposal of sanitary napkins. v. Infrastructure development works if any as per demand. vi. Building repair work as per school demand.	20
3	Corporation High School, RA Puram	i. Providing Sanitation facilities – Toilets.	20

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		ii. Provision of Library facilities. Improving IT Infrastructures. iii. Greeneries development around the periphery of the school and Rainwater harvesting system.	
4	Government Tribal Residential School, Nandanam	i. Green belt development in the school. ii. Providing hygiene Toilets rooms for students. iii. Providing Environmental related books in the school library. iv. Electrical incinerators for disposal of sanitary napkins.	20
5	Government Nursery School, Alwarpet		20
6	Government Higher Secondary School,Nandanam		20

Agenda No: 344-12
(File No. 9554/2022)
Proposed Expansion of construction of Residential Complex "Innova" at S.F. Nos. 482/2A2A3, 482/2A2A4 & 482/2A2A5 Mangadu Village, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu by M/s. P dot G Constructions Pvt. Ltd - ForEnvironmental Clearance (SIA/TN/INFRA2/405800/2022 dated: 08.11.2022)

The proposal was placed in this 344th meeting of SEAC held on 06.01.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following

1. The Project Proponent, M/s. P dot G Constructions Pvt. Ltd has applied for Environmental Clearance for the Proposed Expansion of the construction of Residential Complex "Innova" at S.F. Nos. 482/2A2A3, 482/2A2A4 & 482/2A2A5 Mangadu Village, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu.

2. The project/activity is covered under Category "B" of Item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier, Environmental Clearance wasissued to the proponent vide SEIAA Lr. No. SEIAA-TN/F.No.2655/EC/8(a)/389/2014 dated: 30.03.2015.
4. Now, the proponent proposes for an expansion as follows:

Sl.No	Particulars	Existing	After Expansion	
1.	Total Land Area	9157.78 Sq.m	9320 Sq.m	162.22 Sq.m (increased)
2.	Total built up area	22335.77 Sq.m	29418.312 Sqm	7082.542 Sq.m (increased)
3.	No. of dwelling units	234 Units	277 units	43 units (increased)
4.	Project Description	The project comprises of 5 Blocks – Block A,B,C,D,E consists of Stilt + 4 Floors each with totally 234 Dwelling Units.	The project comprises of residential building with stilt floor (part) / ground floor (part) + 2 floors + 3rd floor part + 4th floor part & 5th floor part with total number of 277 dwelling units	Addition of one floor for Block B,D,E and combined 5 block to single block.
5.	Total water requirement	166 KLD	199 KLD	33 KLD (increased)

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6.	Total freshwater requirement	107 KLD	129 KLD	22 KLD (increased)
7.	Flushing water requirement	56 KLD	65 KLD	9 KLD (increased)
8.	Total Grey and sewage generation	136 KLD	174 KLD	38 KLD (Increased)
9.	Greenbelt	3 KLD	5 KLD	2 KLD (Increased)
10.	Excess treated sewage to Avenue Plantation	76 KLD	93 KLD	17 KLD (Increased)
11.	Total solid waste	732.5 kg/day	733 kg/day	No change
12.	Biodegradable waste	435 kg/day	440 kg/day	5 kg/day (Increased)
13.	Non biodegradable waste	290.4 kg/day	293 kg/day	2.6 kg/day (Increased)
14.	STP sludge	7.1 kg/day	3.25 kg/day	1.65 kg/day (Increased)
15.	GWTP Sludge		5.5 Kg/day	
16.	Total project cost	33.37 Crores	44.83 Crores	11.46 Crores

Earlier, the proponent has applied for an amendment in the above mentioned EC in the PARIVESH Portal vide Proposal No. SIA/TN/MIS/196733/2022 dated: 05.02.2022. The proposal was placed for appraisal in the 321st SEAC meeting held on 14.10.2022.

Based on the presentation and documents furnished by the project proponent, SEAC noted that the proposal is for expansion, however the PP has applied under EC amendment category instead of EC Expansion. Therefore, SEAC decided to defer the proposal and instruct the PP to apply under expansion category with all relevant details.

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Subsequently, the proponent has filed a fresh application for expansion in Form 1 vide Proposal no. **SIA/TN/INFRA2/405800/2022 dated.08.11.2022**and also hassubmitted a request for withdrawal of the amendment application filed earlier.

The revised expansion proposal is placed in this 344th SEAC meeting. Based on the presentation and documents furnished by the proponent, SEAC decided to **recommend the expansion proposal for the grant of Environmental Clearance** subject to the following specific conditions in addition to normal conditions stipulated by MOEF&.CC.

1. The PP shall adhere to IGBC Gold norms and also obtain IGBC Gold Certification before obtaining CTO.
2. The proponent shall strive to generate minimum of 50% of the energy requirement of the project from renewable sources either within or outside the project site.
3. The proponent shall provide metered e-charging units in the parking area.
4. The proponent shall ensure that DG sets are run on green energy sources instead of Diesel.
5. The height of the stacks of DG sets shall be provided as per the CPCB norms.
6. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc. to TNPCB before obtaining CTO.
7. The proponent shall make proper arrangements for the utilization of the treated water from the proposed site for Toilet flushing, Green belt development, OSR, and no treated water shall be let out of the premise.
8. The sludge generated from the Sewage Treatment Plant shall be collected and de-watered using filter press and the same shall be utilized as manure for green belt development after composting.
9. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix, in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed

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manner.

10. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted with proper spacing as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. 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.
11. The unit shall ensure the compliance of land use classification fit for construction.
12. The project proponent shall provide entry and exit points for the OSR area, play area as per the norms for the pubic usage and as committed.
13. The PP shall construct a pond of appropriate size in the earmarked OSR land in consultation with the local body. The pond should be modelled like a temple tank with parapet walls, steps, etc. The pond is meant to play three hydraulic roles, namely (1) as a storage, which acted as insurance against low rainfall periods and also recharges groundwater in the surrounding area, (2) as a flood control measure, preventing soil erosion and wastage of runoff waters during the period of heavy rainfall, and (3) as a device which was crucial to the overall eco-system.
14. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
15. 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.
16. 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.
17. No waste of any type to be disposed of in any other way other than the approved one.

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18. 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.
19. The project proponent shall furnish commitment for post-COVID health management for construction workers as per ICMR and MHA or the State Government guidelines.
20. 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.
21. The project proponent shall measure the criteria air pollutants data (including CO) due to traffic again before getting consent to operate from TNPCB and submit a copy of the same to SEIAA.
22. Solar energy should be at least 25% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.
23. 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 the EMP as committed.
24. As accepted by the Project Proponent the CER amount of Rs. 10 Lakhs shall be spent towards the following activities as committed by the proponent before obtaining CTO from TNPCB.

S. No	CER Activity	Capital Cost Allocation (in Lakhs)
1	**Government High School - Mangadu** Improvement of school infrastructure, sanitation facility, library, Drinking water treatment plant, solar lighting & smart class (LED Projector with computer), furniture, development of sports facilities, Greenbelt development, additional classrooms for schools as committed.	
Total Cost Allocation		**10.00**

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Appendix -I
List of Native Trees Suggested for Planting

No	Scientific Name	Tamil Name	Tamil Name
1	*Aegle marmelos*	Vilvam	வில்வம்
2	*Adenaanthera pavonina*	Manjadi	மஞ்சாடி, ஆனைக்குன்றிமணி
3	*Albizia lebbeck*	Vaagai	வாகை
4	*Albizia amara*	Usil	உசில்
5	*Bauhinia purpurea*	Mantharai	மந்தாரை
6	*Bauhinia racemosa*	Aathi	ஆத்தி
7	*Bauhinia tomentos*	Iruvathi	இருவாத்தி
8	*Buchanania axillaris*	Kattuma	காட்டுமா
9	*Borassus flabellifer*	Panai	பனை
10	*Butea monosperma*	Murukkamaram	முருக்கமரம்
11	*Bobax ceiba*	Ilavu, Sevvilavu	இலவு
12	*Calophyllum inophyllum*	Punnai	புன்னை
13	*Cassia fistula*	Sarakondrai	சரக்கொன்றை
14	*Cassia roxburghii*	Sengondrai	செங்கொன்றை
15	*Chloroxylon sweitenia*	Purasamaram	புரசு மரம்
16	*Cochlospermum religiosum*	Kongu, Manjalilavu	கோங்கு, மஞ்சள் இலவு
17	*Cordia dichotoma*	Naruvuli	நருவலி
18	*Cretava adansoni*	Mavalingum	மாவிலங்கம்
19	*Dillenia indica*	Uva, Uzha	உசா
20	*Dillenia pentagyna*	SiruUva, Sitruzha	சிறு உசா
21	*Diospyro sebenum*	Karungali	கருங்காலி
22	*Diospyro schloroxylon*	Vaganai	வாகனை
23	*Ficus amplissima*	Kalltchi	கல் இச்சி
24	*Hibiscus tiliaceou*	Aatrupoovarasu	ஆற்றுப்பூவரசு
25	*Hardwickia binata*	Aacha	ஆச்சா
26	*Holoptelia integrifolia*	Aayili	ஆயா மரம், ஆயிலி
27	*Lannea coromandelica*	Odhiam	ஓதியம்
28	*Lagerstroemia speciosa*	Poo Marudhu	பூ மருது
29	*Lepisanthus tetraphylla*	Neikottaimaram	நெய் கொட்டை மரம்
30	*Limonia acidissima*	Vila maram	விளா மரம்
31	*Litsea glutinos*	Pisinpattai	அய்ய. பிசின்பட்டை
32	*Madhuca longifolia*	Illuppai	இலுப்பை
33	*Manilkara hexandra*	UlakkaiPaalai	உலக்கை பாலை
34	*Mimusops elengi*	Magizhamaram	மகிழமரம்
35	*Mitragyna parvifolia*	Kadambu	கடம்பு
36	*Morinda pubescens*	Nuna	நுனா
37	*Morinda citrifolia*	Vellai Nuna	வெள்ளை நுனா
38	*Phoenix sylvestre*	Eachai	ஈச்சமரம்
39	*Pongamia pinnat*	Pungam	புங்கம்

40	*Premna mollissima*	Munnai	முன்னை
41	*Premna serratifolia*	Narumunnai	நறு முன்னை
42	*Premna tomentosa*	Malaipoovarasu	மலை பூவரசு
43	*Prosopis cinerea*	Vanni maram	வன்னி மரம்
44	*Pterocarpus marsupium*	Vengai	வேங்கை
45	*Pterospermum canescens*	Vennangu, Tada	வெண்ணாங்கு
46	*Pterospermum xylocarpum*	Polavu	பலவு
47	*Putranjiva roxburghi*	Karipala	கரிபாலை
48	*Salvadora persica*	Ugaa Maram	உகா மரம்
49	*Sapindus emarginatus*	Manipungan, Soapukai	மணிபுங்கன் சோப்புக்காய்
50	*Saraca asoca*	Asoca	அசோகை
51	*Streblus asper*	Piray maram	பிரய் மரம்
52	*Strychnos nuxvomic*	Yetti	எட்டி
53	*Strychnos potatorum*	Therthang Kottai	தேற்றா கொட்டை
54	*Syzygium cumini*	Naval	நாவல்
55	*Terminalia belleric*	Thandri	தான்றி
56	*Terminalia arjuna*	Ven marudhu	வெள் மருது
57	*Toona ciliate*	Sandhana vembu	சந்தன வேம்பு
58	*Thespesia populnea*	Puvarasu	பூவரசு
59	*Walsuratrifoliata*	valsura	வல்சுரா
60	*Wrightia tinctoria*	Veppalai	வெப்பாலை
61	*Pithecellobium dulce*	Kodukkapuli	கொடுக்காப்புளி

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Appendix –II

Display Board
(Size 6' x5' with Blue Background and White Letters)

…………………………………………………சுரங்கம்

சுரங்கங்களில் குவாரி செயல்பாடுகளுக்கான சுற்றுச்சூழல் அனுமதி கீழ்கண்ட நிபந்தனைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது SEIAA/——. தேதியிடப்பட்டு, சுற்றுச்சூழல் அனுமதி ____தேதி வரை செல்லத்தக்கதாக உள்ளது

<table>
<tr><td rowspan="2">பசுமை பகுதி வளர்ச்சி செயல்பாட்டுக்கான சுரங்கத் திட்டம்</td><td>குவாரியின் எல்லையைச் சுற்றி வேலி அமைக்க வேண்டும்</td></tr>
<tr><td>சுரங்கப்பாதையின் ஆழம் தரைமட்டத்திலிருந்து ___ மீட்டருக்கு மிகாமல் இருக்க வேண்டும்.</td></tr>
<tr><td rowspan="3">நடப்பட்டு பராமரிக்கப்பட வேண்டிய மரங்கள் எண்ணிக்கை:</td><td>காற்றில் மாசு ஏற்படாதவாறு சுரங்க பணிகளை மேற்கொள்ள வேண்டும்.</td></tr>
<tr><td>வாகனங்கள் செல்லும் பாதையில் மாசு ஏற்படாத அளவிற்கு தண்ணீரை முறையாக தண்ணீர் லாரிகளின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும்.</td></tr>
<tr><td>இரைச்சல் அளவையும் தூசி மாசுபாட்டையும் குறைப்பதற்காக குவாரியின் எல்லையை சுற்றி அடர்த்தியான பசுமை பகுதியை ஏற்படுத்த வேண்டும்.</td></tr>
<tr><td colspan="2">சுரங்கத்தில் வெடி வைக்கும்போது நிலஅதிர்வுகள் ஏற்படாதவாறும் மற்றும் கற்கள் பறக்காதவாறும் பாதுகாப்பு நடவடிக்கைகளை உன்னிப்பாக செயல்படுத்தப்பட வேண்டும்.</td></tr>
<tr><td colspan="2">சுரங்கத்தில் இருந்து ஏற்படும் இரைச்சல் அளவு 85 டெசிபல்ஸ் (dBA) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற் கொள்ள வேண்டும்.</td></tr>
<tr><td colspan="2">சுரங்க சட்ட விதிகள் ——ன் கீழ் சுரங்கத்தில் உள்ள பணியாளர்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு சுகாதாரமுள்ள கழிப்பறை வசதிகளை செய்து தர வேண்டும்.</td></tr>
<tr><td colspan="2">கிராமம் அல்லது பஞ்சாயத்து வழியாக வாகனங்கள் செல்லும் சாலையை தொடர்ந்து நன்கு பராமரிக்க வேண்டும்.</td></tr>
<tr><td colspan="2">சுரங்கப்பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் நீர்நிலைகள் பாதிக்கப்படக் கூடாது.</td></tr>
<tr><td colspan="2">நீர்நிலைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வகையில் நிலத்தடி நீரின் தரத்தினை தொடர்ந்து கண்காணிக்க வேண்டும்.</td></tr>
<tr><td colspan="2">சுரங்கத்திலிருந்து கனிம பொருட்களை எடுத்துச் செல்வது கிராம மக்களுக்கு எந்தச் சிரமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் சுற்றுச்சூழல் பாதிக்காத வண்ணம் வாகனங்களை இயக்க வேண்டும்.</td></tr>
<tr><td colspan="2">சுரங்கப்பணிகள் முடிக்கப்பட்டவுடன் சுரங்க மூடல் திட்டத்தில் உள்ளவாறு சுரங்கத்தினை மூட வேண்டும்.</td></tr>
<tr><td colspan="2">சுரங்க நடவடிக்கைகளை முடித்தபின்னர் சுரங்கப் பகுதி மற்றும் சுரங்க நடவடிக்கைகளால் இடையூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்து தாவரங்கள் விலங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பசுமைப்பகுதியை உருவாக்க வேண்டும்.</td></tr>
<tr><td colspan="2">முழுமையான நிபந்தனைகளை அறிய பரிவேஷ் (https//parivesh.nic.in) என்கிற இணையதளத்தைப் பார்வையிடவும் மேலும் இந்தவித சுற்றுச்சூழல் சார்ந்த புகார்களுக்கு சென்னையில் உள்ள சுற்றுச்சூழல் மற்றும் வன அமைச்சகத்தின் ஒருங்கிணைந்த வட்டார அலுவலகம்: 044 – 28222325 (அல்லது) தமிழ்நாடு மாசு கட்டுப்பாடு வாரியத்தின் மாவட்ட சுற்றுச்சூழல் பொறியாளரை அணுகவும்.</td></tr>
</table>

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN