STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of 358th meeting of the State Expert Appraisal Committee (SEAC) held on 24.02.2023 (Friday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects

Agenda No. 358 - 1
(File No. 6678/2022)
Proposed Expansion of Steel Rolling plant & inclusion of Steel Rolling mill at S.F.No: 262/1, 2,263/1B2, 2B2 & 264/2A3 72B, Anupatti Village, Palladam Taluk, Tiruppur District, Tamil Nadu– M/s. Kannappan Alloy and Steel Company Pvt ltd – for Enviromental Clearance (SIA/TN/IND/409288/2022Dt: 02.02.2023)

The proposal was placed in the 358th SEAC Meeting held on 24.02.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent M/s. Kannappan Alloy and Steel Company Pvt ltd has applied for the Proposed Expansion of Steel Rolling plant& inclusion of Steel Rolling mill at S.F.No: 262/1, 2,263/1B2, 2B2 & 264/2A3 72B, Anupatti Village, Palladam Taluk, Tiruppur District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 3(a) "Metallurgical industries (ferrous & non-ferrous)" of the Schedule to the EIA Notification,2006.
3. The PP has obtained ToR vide Letter No.SEIAA-TN/T.No.6678 /2019/ (3a)/ToR-61 1/2019 Dated: 27.02.2019.
4. Public hearing conducted on 3.10.2019.

S. No	Description	Details
1	Name of the project	Proposed expansion of steel melting plant (MS Billets / Ingots from 28,800 TPA to 88,800 TPA) and establishment of steel rolling mill to produce TMT Bar, MS Channels, Angles, Rods and other Re-Rollable items of 88,800 TPA at S.F. No. 262/1, 2, 263/1B2, 2B2 & 264/2A, 2A3, 2B, Anupatti Village, Palladam Taluk, Tiruppur District
2	Location	S.F. No. 262/1, 2, 263/1B2, 2B2 & 264/2A, 2A3, 2B, Anupatti Village, Palladam Taluk, Tiruppur District. Coordinates: Latitude: 10°57'19.65"N to 10°57'12.57"N

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC-TN

<table>
<tr><td></td><td></td><td>Longitude: 77°13'43.56"E to 77°13'44.02"E</td></tr>
<tr><td>3</td><td>Type of project</td><td>Schedule No.3 (a) [Metallurgical Industries - Ferrous and Non-ferrous] and categorized as "Category B1" of EIA notification 2006</td></tr>
<tr><td>4</td><td>Total area</td><td>Total land area-3.86 ha (9.55 acres)
<table>
<tr><th rowspan="2">S. No</th><th rowspan="2">Area statement</th><th colspan="2">Area (Sqm)</th></tr>
<tr><th>Existing</th><th>After expansion</th></tr>
<tr><td>1</td><td>Processing Buildings</td><td>2,751.80</td><td>5440.28</td></tr>
<tr><td>2</td><td>Non-Processing Buildings</td><td>80.93</td><td>128.63</td></tr>
<tr><td>3</td><td>Greenbelt area</td><td>1942.49</td><td>12754</td></tr>
<tr><td>4</td><td>Parking Area</td><td>7081.99</td><td>7100</td></tr>
<tr><td>5</td><td>Open Area (Open Land, Road and misc.)</td><td>26790.19</td><td>13224.57</td></tr>
<tr><td colspan="2">Total</td><td>38647.48</td><td>38647.48</td></tr>
</table></td></tr>
<tr><td>5</td><td>Cost of project</td><td>Rs.8.9 Crores (Proposed Expansion)</td></tr>
<tr><td>6</td><td>Brief description of the project</td><td>Proposed expansion of steel melting plant (MS Billets / Ingots from 28,800 TPA to 88,800 TPA) and establishment of steel rolling mill to produce TMT Bar, MS Channels, Angles, Rods and other Re-Rollable items of 88,800 TPA</td></tr>
<tr><td>7</td><td>ToR Details</td><td>1. ToR issued by SEIAA vide letter No. SEIAA-TNIF.No.6678 /2019/(3a)/ToR-611/2019 Dated: 27.02.2019
2. Public hearing conducted on 03.10.2019 at atSaraswati Mahal, Udumalai Road, P.Vadugapalyam, Palladam
3. EIA report submitted to SEIAA on 24.01.2023</td></tr>
</table>

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

<table>
<tr><td>8</td><td>Raw materials</td><td>
Raw Material for Ms Ingots / Billets Production (TPA):
<table>
<tr><th>S. No.</th><th>Raw Material</th><th>Existing</th><th>Proposed</th><th>After Expansion</th><th>Source</th></tr>
<tr><td>1</td><td>Sponge Iron</td><td>11859</td><td>23716</td><td>35575</td><td>Local</td></tr>
<tr><td>2</td><td>Scrap</td><td>23760</td><td>47520</td><td>71280</td><td>Local/Im</td></tr>
<tr><td>3</td><td>FeMn, FeSi, Al.</td><td>381</td><td>764</td><td>1145</td><td>Local</td></tr>
</table>
Raw Material for Rolling mill unit (TPA):
<table>
<tr><th>S. No.</th><th>Raw Material</th><th>Existing</th><th>Proposed</th><th>After Expansion</th><th>Sourc</th></tr>
<tr><td>1</td><td>M.S. Billets / Ingots (In-house)</td><td>-</td><td>88800</td><td>88800</td><td>Inhou</td></tr>
<tr><td>2</td><td>M.S. Billets / Ingots (Outsourcing)</td><td>-</td><td>4700</td><td>4700</td><td>Outso ng</td></tr>
</table>
</td></tr>
<tr><td>9</td><td>a. Water Requirement</td><td>
<table>
<tr><th rowspan="2">S. No</th><th rowspan="2">Category</th><th colspan="2">Requirement (KLD)</th></tr>
<tr><th>Existing</th><th>After expansion</th></tr>
<tr><td>1</td><td>Furnace Cooling</td><td>6</td><td>15</td></tr>
<tr><td>2</td><td>Concast Cooling</td><td>2</td><td>5</td></tr>
<tr><td>3</td><td>TMT Bar Cooling</td><td>-</td><td>19</td></tr>
<tr><td>4</td><td>Scrubber make-up</td><td>1</td><td>3</td></tr>
<tr><td>5</td><td>Domestic</td><td>3</td><td>9</td></tr>
<tr><td colspan="2">Total</td><td>12</td><td>51</td></tr>
</table>
</td></tr>
<tr><td></td><td>b. source of water</td><td>Negamam Water Projects Pvt. Ltd and recycled water</td></tr>
<tr><td>10</td><td>Sewage/Effluent generation, & Treatment</td><td>Domestic waste water-2.4 to 8.1 KLD
Scrubber waste water-0.3 KLD to 0.5 KLD
Cooling Blood off-21 KLD

<u>STP Components:</u>
Bar screen chamber</td></tr>
</table>

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

<table>
<tr><td></td><td></td><td>Equalization tank
Aeration tank
Settling tank
Clarified water tank
Treated water tank
Sludge drying bed</td></tr>
<tr><td>11</td><td>Mode of disposal of sewage</td><td>➢ Domestic sewage of 8.1 KLD will be treated in STP (capacity 10 KLD) and treated water will be used for greenbelt/plantation.
➢ Scrubber waste water of 0.5 KLD will be disposed to solar evaporation pan.
➢ Bleed off water of 21 KLD will be reused for cooling purposes.</td></tr>
<tr><td>12</td><td>Quantity of solid waste generated per day (in kgs), mode of treatment and disposal of solid waste</td><td>
<table>
<tr><th colspan="3">Waste Quantity in TPA</th><th rowspan="2">Disposal Method</th></tr>
<tr><th>Type of Waste</th><th>Existing</th><th>After Expansion</th></tr>
<tr><td colspan="4">Non-Hazardous Waste Management</td></tr>
<tr><td>Slag</td><td>4600</td><td>9200</td><td>Cement Plant / bricks manufacturers</td></tr>
<tr><td>Filter / Scrubber Dust</td><td>12</td><td>30</td><td>Filling Material in Construction / Road Lying</td></tr>
<tr><td>Mill Scale</td><td>1200</td><td>2800</td><td>Steel Sinter Plant / Melting Plant</td></tr>
<tr><td>STP Sludge</td><td>-</td><td>0.09</td><td>Manure in gardening</td></tr>
<tr><td>Fly Ash</td><td>-</td><td>88</td><td>Cement Plant / brick manufacturers</td></tr>
</table>
</td></tr>
<tr><td>13</td><td>Hazardous waste management</td><td>
<table>
<tr><th colspan="4">Quantity in TPA</th><th rowspan="2">Treatment/ disposal</th></tr>
<tr><th>Type of Waste</th><th>Existing</th><th>Proposed</th><th>Total</th></tr>
<tr><td>Used / Spent Oil</td><td>0.5</td><td>1.0</td><td>1.5</td><td>TNPCB authorized recyclers</td></tr>
</table>
</td></tr>
<tr><td>14</td><td>Power requirement</td><td>3600 KVA to 8500 KVA from TANGEDO (After expansion) Dg sets of 1 x 750 kVA & 1 x 62.5 KVA (Proposed), 1 x 125 KVA (Existing)</td></tr>
<tr><td>15</td><td>APC measures</td><td>Existing:</td></tr>
</table>

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

		Unit / **APC Measures** Ind. Furnace (8T) / Wet Scrubber 125 kVA DG Set / Stack **After Expansion:** **Unit** / **APC Measures** Induction Furnace(15T) / Bag filter & Wet Scrubber Reheating Furnace (17T) / Bag filter & Wet Scrubber 62.5 kVA DG Set / Stack 750 kVA DG Set / Stack
16	Details man power	60 Nos to 165 Nos.
17	Details of green belt	12754 Sqm (33% of the total land area).
18	Provision of rainwater harvesting	The total rainwater harvesting potential is 7354.64 m3/annum. Hence around 25 KL (7354 KL/300 days) of harvested rain water will be utilized for 300 days of plant operation.
19	EMP cost (INR)	Capital cost-Rs. 70 lakhs Annual recurring cost-Rs.9.0 lakhs
20	CER Activity	An amount of Rs.25 lakhs has been allotted for CER activities such as Infrastructure required for nearby Primary Health Centre, Pullyampatti, Infrastructure facility to Anupatti Primary School, Conduction Regular Medical Camps in nearby villages.

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 not utilize Bazaar scraps, painting scraps, turning & boring scrap etc as raw material.
2. The PP shall obtained adequacy report on the existing APC measures provided in the unit from the reputed Government institution such as IIT, Anna University, NIT shall be furnished.

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

3. The PP shall replace the worn out/damaged APC measures before obtaining CTE from TNPCB.
4. The PP shall adhere the procedures during Charging and operation of Melting for better and efficient operation of induction furnaces as mentioned in Comprehensive Industry Document on Electric Arc & Induction Furnace issued by CPCB.
5. The proponent shall adopt best practices available during finishing and tapping of a heat.
6. The proponent shall adhere the possibilities to Change from mains frequency to medium frequency furnaces as mentioned in Comprehensive Industry Document on Electric Arc & Induction Furnace issued by CPCB.
7. The generated sewage shall be treated through STP of capacity 10 KLD and treated water shall be utilized for green belt development.
8. The PP shall not generate any effluent from the process at any point of time.
9. All the roads shall be tarred and water sprinkling shall be ensured to control dust emissions from all the vulnerable sources like raw material handling and storage areas. All the material transfer points, discharge points and raw material storage area shall be completely covered. Dust extraction system shall be provided to storage, transfer points and material handling areas. Monitoring of fugitive emission in the work zone environment shall be carried out regularly as per the CPCB guidelines.
10. The proponent shall provide, operate and maintain the air pollution control measures to all the furnaces so as to achieve the air emission standards prescribed by the CPCB/MoEF&CC and same shall be connected to the CARE AIR centre of TNPCB for online monitoring.
11. The proponent shall continuously operate the sewage treatment plant so as to achieve the standards of treated sewage prescribed by CPCB/TNPCB.
12. All the solid wastes like slag and SEP residue shall be stored separately at designated place only. Solar Evaporation Pan residue shall be disposed off in accordance with the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules. 2016.

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

13. Proper housekeeping shall be ensured and all the raw materials and products shall be stored at designated places.
14. The Project proponent shall provide adequate safety and ventilation arrangements in the furnace area.
15. A separate Cell with adequate technically competent staff should be appointed to operate the Environmental Control measures who should report directly to the top Executive of the plant premises.
16. Ambient air quality monitoring (AAQM) stations shall be set up as per statutory requirement. The locations of ambient air quality monitoring stations shall be decided in consultation with the Tamil Nadu Pollution Control Board and it shall be ensured that maximum numbers of stations to be installed in the up wind direction and same shall be connected to CARE AIR centre in TNPCB for online monitoring.
17. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc., on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed CPCB/MoEF&CC.
18. The Proponent shall provide and maintain the green belt at least 33 % area as per the CPCB Guidelines and the proponent shall develop more Green belt continuously.
19. The Proponent shall furnish an undertaking that they will abide by the conditions by the conditions / recommendations mentioned in the EMP report furnished by them.
20. As accepted by the Project Proponent the CER cost is Rs. 25 lakh and the amount shall be utilized for committed activities before obtaining CTO from TNPCB.

Agenda No: 358 - 02
(File No. 9387/2022)
Proposed construction of Group Development at S.F. Nos. 318, 320, 321, 343, 344, 345/2, 345/3, 346, 347, 348/6, 352, 353, 354, 355/1, 355/2 of Manapakkam Village, Alandur Taluk, Chennai District, Tamil Nadu by M/s. Casagrande Smart Value Homes Private Limited -Amendment for Environmental Clearance. (SIA/TN/MIS/295951/2022 dated: 23.02.2023)

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

The proposal was placed in this 358th meeting of SEAC held on 24.02.2023. 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. Casagrande Smart Value Homes Private Limitedhas applied for Environmental Clearance Amendment for the Proposed construction of Group Development at S.F. Nos. 318, 320, 321, 343, 344, 345/2, 345/3, 346, 347, 348/6, 352, 353, 354, 355/1, 355/2 of Manapakkam Village, Alandur 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. Earlier, the PP had applied for Environmental Clearance and EC issued vide SEIAA Letter No. SEIAA-TN/F.9387/EC/8(a)/871/2022 dated: 27.09.2022.
4. Now, the PP has applied online through Parivesh portal vide Proposal No. SIA/TN/MIS/295951/2022 dated: 23.02.2023 for the following EC Amendment,

S.No.	Description	Existing EC	Amendment in EC	Remarks
1	**Block Description**	**Block 1: Combined** Basement Floor+ Ground floor+ 4 Floors with **50** dwelling units **Block 2: Combined** Basement Floor+ Ground floor+ 4 Floors with **379** dwelling units **Block 3: Combined**	**Block 1: Combined** Basement Floor+ Ground floor+ 5 Floors with **92** dwelling units **Block 2: Combined** Basement Floor+ Ground floor+ 5 Floors with **278** dwelling units **Block 3: Combined** Basement Floor+ Ground floor+ 4 Floors with **111** dwelling units	Inclusion of Block 4 Block 5 & Block 6 (Club House), Floor increase in change in Number of Dwelling Units in each block.

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

		Basement Floor+ Ground floor+ 4 Floors with **309** dwelling units **(Club house and swimming pool in ground floor)**	**Block 4: Combined** Basement Floor+ Ground floor+ 4 Floors with **64** dwelling units **Block 5: Combined** Basement Floor+ Ground floor+ 5 Floors with **101** dwelling units **Block 6: Club House** Ground floor + 3 Floors **(swimming pool in ground floor)**	

Based on the presentation and documents furnished by the project proponent, SEAC noted that this proposal is for Expansion, however the PP has applied under EC amendment category instead of EC Expansion. Hence, the SEAC decided that the PP shall apply for Expansion through online Parivesh portal along with necessary documents.

Agenda No: 358-03
(File No: 9512/2022)
Proposed Plasticizers Manufacturing Unit at S.F.No.185 (Pt) and 186 (Pt), Plot No.P1, SIPCOT Industrial Park, Ingur Village, Perundurai Taluk, Erode District, Tamil Nadu by M/s. PayalPlastichem Pvt. Ltd - For Environmental Clearance.
(SIA/TN/IND3/415073/2023 Dt. 28.01.2023)

The proposal was placed for appraisal in 358thmeeting of SEAC held on 24.02.2023. 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. PayalPlastichem Pvt. Ltd, has applied for Environmental Clearance for the Proposed Plasticizers Manufacturing Unit at

S.F.No.185 (Pt) and 186 (Pt), Plot No.P1, SIPCOT Industrial Park, Ingur Village, Perundurai Taluk, Erode District, Tamil Nadu.

2. The project/activity is covered under Category "B1" of Item 5(f) "Synthetic Organic Chemicals Industry (dyes & dye intermediates: bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates)" of the Schedule to the EIA Notification, 2006.
3. ToR Issued vide Letter No. SEIAA-TN/F.No.9512/2022/5(f)/ToR-1301/ 2022 dated: 21.11.2022
4. The salient features of the project are as follows:

S. No	Description	Details
1.	Name of the Project	Plasticizers Manufacturing Unit by M/s. PayalPlastichem Pvt. Ltd
2.	Location	S.F.No.185 (Pt) and 186 (Pt), Plot No.P1, SIPCOT Industrial Park, Ingur Village, Perundurai Taluk, Erode District, Tamil Nadu Co-ordinates: Latitude:11°13'32.1"N Longitude: 77°32'51.9"E
3.	Type of Project	Schedule 5(f) - Synthetic organic chemicals industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates)

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

4.	Total Area	

S.No	Particular	Area (Sqm)	% of Total Land
1	Total area	12141.0	100
2	Process Building area	2531.4	21
3	Greenbelt	4010.8	33
4	Non-Process Building area	2299.5	19
5	Surface Parking	242.8	2
6	Road and pavement	2559.3	21
7	Other Utilities (Raw material storage shed, hazardous material shed, security room, etc.)	497.2	4

5.	Cost of Project (INR)	Rs. 20 crores
6.	Details of Proposed Products	

S. No.	Description of products	Quantity (T/month)	Quantity (T/annum)	End Use
1.	Plasticizer (Ester Plasticizer, Epoxy Plasticizer, Ether Ester Plasticizer, Transester Plasticizer)	8,500	1,02,000	Product to be sold in market for manufacturing films, cables, plastic, Rubber industries Shoe Soles, leather Cloth, Paints adhesives, binder, softener etc.
2.	Plasticizing Carbon	25	300	Product Used for Black PVC compound
3.	Alkali Formate - Sodium Formate, Calcium Formate or Potassium Formate	27	324	Product used for Dyeing and printing, pH Booster, De-Icing Agent

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

		4.	Alcohol/ Polyol - Oxo alcohols / Glycerine	171	2,052	Product used in Cosmetics & other similar Industry
		5.	Organic Acid - Typically Phthalic / Terephthalic / Maleic/ Adipic/ Acetic acid	45	540	
		Grand Total		**8,768**	**1,05,216**	
7.	ToR details	ToR Issued vide Letter No. SEIAA-TN/F.No.9512/2022/5(f)/TOR-1301/2022 dated: 21.11.2022				
8.	a) Water requirement					

Component	**Occupancy**	**Fresh Water Requirement**	**Recycled Water Requirement**
	(Nos.)	**(L/day)**	**(L/day)**
Working population	125	5,625	-
Maintenance & Visitors	20	300	-
Gardening & Landscaping (Area:4,110 Sq.m)	-	14,385	-
Process	-	-	35,400
Boiler Feed	-	7,000	-
Cooling Tower	-	1,34,000	47,630
Total	**145**	**1,61,310**	**83,030**

Fresh water requirement – 161 KLD

Recycled water requirement – 83 KLD

	b) Source	Fresh water supply - SIPCOT

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

9.	Sewage/ Effluent treatment	1) Domestic Sewage will be treated in Septic Tank and soak pit arrangements: a) Septic Tank (2 nos.) – 2.5 m x 2.5 m x 2.0 m (12.5 Cu.m) b) Soak Pit (4 nos.) – 1.0 m dia x 2.0 m 2) For effluent treatment, ETP of capacity40 kLD will be provided comprising of the following components and followed by Multiple Effect Evaporator (MEE) with Agitated Thin Film Evaporator (ATFE): a) Collection and neutralization tank b) Oil & Grease Settling Tank c) Filtration System d) Sludge Holding Tank
10.	Sewage/ effluent Mode of disposal	Treated Effluent – 36.63 KLD to Solvent Recovery & Salt – 2.27 T/day to TSDF
11.	Non – Hazardous waste management	• Domestic Waste (29 kg/day) will be sent to SIPCOT daily waste collection system • Boiler ash (50 T/Month) will be sent to nearby brick manufacturing unit
12.	Hazardous waste Management	

S. No.	Category of Waste	Description	Quantity	Disposal Method
1	5.2	Used Oils	100 Lts/month	Authorized recyclers
2	5.2	Insulation waste, filter cloth, Saw dust, waste cleaning cloth	1 T/month	TSDF
3	35.3	ETP Sludge	57.6 T/ month	TSDF
4	33.1	Empty Barrels	200 Nos./ month	Authorized vendors / reused /

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

		5	33.1	Empty bags	80,000 Nos./ month	decontaminated & sold
		6	-	E-waste & battery waste	1 T/month	Authorized recycler/dismantler
		7	26.4	Spent solvent	0.2 T/annum	TSDF
		8	26.3	Spent acid	0.1 T/annum	Disposed to small scale units
		9	36.2	Spent carbon	0.1 T/annum	TSDF
		10	26.5	Spent catalyst	0.15 T/annum	TSDF
		11	26.1	Process residue	0.5 T/annum	TSDF
13.	Power requirement	➢ The power requirement is estimated to be 1,000 kVA and it will be sourced from the TANGEDCO ➢ For the back-up power source 2 nos. of 1000 kVA capacity DG set is proposed				
14.	Air Pollution Control Measures (Stack)	**S. No.**	**Source of Emission**	**Stack No.**	**Control Measures**	**Material of Construction**
		1	Thermic Fluid Heater-1	1	Mechanical Dust Collector and Common Stack (45m above the ground level)	Carbon Steel
		2	Thermic Fluid Heater-2			
		3	Steam Boiler -1	2	Mechanical Dust Collector and Stack height (45m above the ground level)	
		4	DG Set 1 (1000 KVA)	3	Acoustic enclosure with Stack (11 m above the ground level)	Mild Steel
		5	DG Set 2 (1000 KVA)	4	Acoustic enclosure with Stack (11 m above the ground level)	

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

15.	Details of man power	125 Nos			
16.	EMP Cost (INR)	**Description**	**Budgetary Allocation (Rs. In Lakhs)**		
			Capital Expenses	**Operational Expenses (Per Annum)**	**Total**
		Construction Phase	17.20	9.10	26.30
		Operation Phase	110.60	17.90	128.50
		Grand Total	127.80	27.00	**154.80**

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

1. The project proponent shall provide ETP of capacity 40 KLD with ZLD system.
2. The proponent shall provide, operate and maintain adequate Air-pollution control measures for the process area.
3. 100% of the roof coverage of the admin block building should be specifically allocated for solar panels and should be used for the generation of solar energy.
4. The proponent should continuously monitor the VOC and ensure that VOC levels are within permissible limits.
5. The proponent shall obtain and maintain valid safety licenses for the concerned department for boiler, solvent/fuel/raw material storage areas etc.
6. The proponent shall ensure that the area for boiler is earmarked, further the proponent may submit the safety measures on the same to TNPCB before obtaining CTO.
7. The proponent shall strictly follow the norms and guidelines mentioned in the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 for the handling and disposal of Hazardous waste to be generated.
8. The proponent shall periodically conduct and submit fire safety study, emergency evacuation plan, risk assessment study, occupational health safety

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

study for the worst case scenario in regard to existing safety measures/standard operating procedures adopted for the process/ equipment/utilities for operation &maintenance and the storage areas of products, raw materials, solvent, fuel, etc. in the different operating zones of the plant at least once in a year to regularly identify safety fragile areas within the plant which requires regular monitoring and the proponent shall submit the same along with timeline for implementation of the said recommendations to the concerned departments.

9. A detail report on the safety measure and health aspects including periodical audiometry, pulmonary lung function, etc., test reports once in a year for all the workers shall be submitted to TNPCB.
10. As the plant operation involves the sensitive processing, the medical officer and the supporting staff involved in the health centre activities shall be trained in occupational health surveillance (OHS) aspects through the outsourced training from the experts available in the field of OHS for ensuring the health standard of persons employed.
11. 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.
12. As accepted by the Project Proponent the CER cost is Rs. 15 lakhs and the amount shall be spent before obtaining CTO from TNPCB, for providing furniture, development of digital library, renovation of toilet blocks to Government Higher Secondary School, Ingur Village, Perundurai, Tamilnadu.

Agenda No. 358-04.
(File No: 9573/2022)
Proposed Construction of Teaching Hospital Building at S.F. No: 24/5, 24/6(pt), 24/7, 24/8, 24/9, 24/10, 24/11, 24/12, 24/13, 24/14, 24/16, 24/17, 24/18, 24/19, 25/11, 25/12, 25/13, 25/14, 25/15, 25/16, 25/17, 25/18, 26/6, 26/7,26/8, 26/14, 26/15, 26/19, 108/1, 108/2, 108/3, 108/4, 108/5, 108/6, 108/7, 108/8, 108/10, 108/12A2, 108/13 in Ongur Village/Panchayat Union at Tindivanam Taluk, Villupuram District, Tamil Nadu by M/s. MailamSubramaniya Swamy Foundation at Takshashila University – For Environmental Clearance. (SIA/TN/INFRA2/405674/2022, Dt: 08.11.2022).

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

The proposal is placed in this 358th SEAC Meeting held on 24.02.2023. 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/activity is covered under Category "B2" of Item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006.
2. The salient features of the project are as follows:

<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 Construction of Teaching Hospital BuildingbyM/s. MailamSubramaniya Swamy Foundation atTakshashila University</td></tr>
<tr><td>2.</td><td>Location</td><td>S.F. No: 24/5, 24/6(pt), 24/7, 24/8, 24/9, 24/10, 24/11, 24/12, 24/13, 24/14, 24/16, 24/17, 24/18, 24/19, 25/11, 25/12, 25/13, 25/14, 25/15, 25/16, 25/17, 25/18, 26/6, 26/7,26/8, 26/14, 26/15, 26/19, 108/1, 108/2, 108/3, 108/4, 108/5, 108/6, 108/7, 108/8, 108/10, 108/12A2, 108/13 in Ongur Village/Panchayat Union At Tindivanam Taluk, Villupuram District, Tamil Nadu.</td></tr>
<tr><td>3.</td><td>Type of Project</td><td>Schedule 8(a)
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°20'3.21"N</td><td>79°46'46.94"E</td></tr>
<tr><td>12°20'1.53"N</td><td>79°46'55.69"E</td></tr>
<tr><td>12°19'58.59"N</td><td>79°46'50.56"E</td></tr>
<tr><td>12°19'59.48"N</td><td>79°46'45.54"E</td></tr>
</table>
</td></tr>
<tr><td>5.</td><td>Total Area (in sq. m)</td><td>
<table>
<tr><th>Details</th><th>Area in Sqm</th><th>Percentage</th></tr>
<tr><td>Total Plot Area</td><td>47145.877</td><td>100%</td></tr>
<tr><td>Ground Coverage</td><td>14700.96</td><td>31%</td></tr>
<tr><td>Roads and Pavements</td><td>5185</td><td>12%</td></tr>
<tr><td>Surface parking</td><td>402</td><td>1%</td></tr>
</table>
</td></tr>
</table>

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

		Utility area	595.3	1%
		Green Belt	8169	17%
		Common OSR	4714.5	10%
		Vacant Land for future development	13379.11	28%
6.	**Built up area**	**57,020.54 Sq. m.**		
7.	Cost of Project	Rs. 290.19 Crores		

8. Brief description of the project

Name of the Block/Building	Built-up Area (FSI Area) Sqm in Sq.m	Built-up Area Non FSI Area Sqm (stilts) in Sq.m	Total Built Up Area in Sq.m
Teaching Hospital			
Ground Floor	13849.84	851.92	14700.96
First Floor	13123.79	1577.18	14700.97
Second Floor	12209.6	1599.64	13809.31
Third Floor	12191.5	1617.75	13809.31
Total Built up area	**51374.73**	**5646.49**	**57020.55**

9. a) Water requirement KLD

S. No.	Details	Quantity (KLD)
1.	**Total Water Requirement**	**303 kLD**
2.	Domestic water requirement	114 kLD
3.	Fresh water for Laboratory, Operation theatre	20 kLD
4.	Treated water utilized for Flushing purposes	56 kLD

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC-TN

			5.	Treated water utilized for Gardening purposes	10 kLD
			6.	Treated water requirement for OSR Gardening purposes	8 kLD
			7.	Treated water requirement for HVAC purposes	95 kLD

10.	Quantity of Sewage/ effluent generation KLD	Sewage Generation – 159 KLD Effluent Generation – 19KLD
11.	Details of Sewage Treatment Plant	

S.No	Description	Dimensions	Capacity(m^3)
1	Bar Screen Chamber	2m x 2m x 0.8m	-
2	Oil & Grease trap	2m x 10m x 4m	80
3	Equalization tank	9m x 5m x 4m	180
4	MBBR Tank(4 Nos)	4.6m x 9m x 4m (4 Nos.)	662
5	Tube Settler	9.8m x 5.0m 4m	196
6	Clear Water tank	9.8m x 7.6m x 4m	298
7	Irrigation Water Tank	20.6m x 10m x 4m	824
8	Sludge Holding Tank	9.8m x 6m x 4m	235
9	Activated carbon Filter	Dia – 3600mm	-
10	Multigrade Filter	Dia – 3200mm	-

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

			11	UV Disinfection system	Adequate capacity as per site conditions
			12	Filter press – 8 Plates – 400 x 400 mm
		STP capacity – 200KLD (SBR Technology)		
12.	Details of Effluent Treatment Plant	**Effluent Treatment Plant Capacity – 50KLD**		

S.No.	Description	Dimension (m)	Capacity, m^3
1	Bar Screen Chamber	1m X1.5m X 1.5m	2.25
2	Collection sump	3.4m X 4.5m X 3m LD	40
3	Flocculator	1m X 3.6m X 3.3m LD	13
4	Flash mixer	2.8m X 3.6m X 2.5m LD	25
5	Tube Settler Tank	6m X 4.5m X 4m LD	100
6	Sludge Holding Tank	1.2m X 4.5m X 4m LD	15
7	Dual Media filter	0.5m dia X 1.5m H	-
8	Treated water tank	2m X 4.5m X 4m LD	70
9	UV Disinfection system	Adequate capacity as per site conditions	

13.	Mode of Disposal of treated	**Treated wastewater and ETP water – 169 KLD** i) HVAC – 95 KLD ii) Green belt development – 18 KLD

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

<table>
<tr><td></td><td>sewage with quantity</td><td colspan="4">iii) Flushing – 56 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 colspan="4"><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>312 kg/day</td><td>The Biodegradable waste willbeprocessed in the proposedOrganic waste converter to beinstalled in the site.</td></tr>
<tr><td>2</td><td>Non-Biodegradable waste (@60% of waste generated</td><td>468 kg/day</td><td>Waste will be disposedthrough authorized recyclers</td></tr>
<tr><td>3</td><td>STP Sludge</td><td>20 kg/day</td><td>Will be mixed with compostfrom Organic waste converterand will be used as a Manurefor Greenbelt development insite. As manure for gardening.</td></tr>
<tr><td>4</td><td>ETP Sludge</td><td>1 kg/day</td><td>TNPCB Authorized Recyclers</td></tr>
</table></td></tr>
<tr><td>15.</td><td>Biomedical waste generation and management</td><td colspan="4"><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>Biomedical Waste (kg/day)</th></tr>
</table></td></tr>
</table>

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

		1	Inpatient	300	1.5 kg/person	450	25% oftot alwaste	112.5
		2	Outpatient	500	0.3 kg/person	150	25% oftot alwaste	37.5
		Total Biomedical Waste Generation				**150 Kg/day**		
16.	Power requirement	▪ Power requirement–1446 KVA, (Sourceofpower– TNEB)						
17.	Details of D.G. set with Capacity	2 No. 1500 kVA & 1No. 500 KVA						
18.	Details of Green Belt Area	Green Belt Area- **8169sq.m**(17%of total Plot area)						
19.	Details of Parking Area	**Details**			**No. of Carparks**	**No.oftwo-wheeler parks**		
		Total number of parking provided (Surface Parking)			250 Nos	136 Nos		
20.	Provision for rainwater harvesting	**Description**	**Areain Sqm**	**Coefficientof runoff**	**AnnualRainfallinm**	**TotalRainwaterRunoff Cum**		

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- IV

		Roof Top Area	14700.96	0.85	0.9	11247
		Road Area	5185	0.75	0.9	3500
		Green area	8169	0.25	0.9	1838
		Total Run-off				16585
		Considering 50 rainy days in 365 days, per day rainwaterrunoff will be				332 cum
		Rainwater collection tank proposed for 100% of the roof top collection i.e. 225 cum (Per day roof top collection) 230 Cum Rainwater storage tank proposed in the site				230 cum
		Remaining Storm water will be recharge into recharge pit.Recharge pit: 30 Nos with Dia 1.2 m, depth 3m.				102 cum
		100% of storm water is managed within the project site. If any excessgenerated, will connect to external roadside storm water drain.				
21.	EMP Cost (Rs.)	**During Construction Phase** Budgetary Allocation– Rs. 9,25,000/- **During Operation Phase** Capital Cost – Rs. 430.4Lakhs Recurring Cost/annum – Rs. 29.12Lakhs				
22.	CER activities with the specific allocation of funds	Rs.300Lakhs				

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.

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

2. The building shall conform to minimum of IGBC Platinum green building norms and shall obtain IGBC certificate in this regard before obtaining CTO from TNPCB.
3. The PP shall obtain fresh water supply commitment letter and disposal of excess treated water from the local body /TWAD before obtaining CTO from TNPCB.
4. The PP shall submit revised water-balance sheet after incorporating the modifications in STP capacity as suggested the SEAC.
5. The PP shall furnish an affidavit stating that we will not do any construction activity before obtaining EC.
6. The PP shall furnish an agreement executed with the HCFs/CBWTFs to reduce illegal dumping of BMW.
7. The PP shall ensure that at least 50% of the HVAC system runs on air cooling mechanism.
8. The PP shall submit revised EMP in the format prescribed by the SEAC.
9. The PP shall construct a tank of appropriate size in the earmarked OSR land in consultation with the local body. 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.
10. Generation of the solar/renewable energy should not be less than 75% of total energy utilization and ensure that the entire roof of the building. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.
11. The project proponent shall provide STP of capacity 200 KLD and ETP of capacity 50 KLD and the treated water shall be utilized for flushing, green belt.
12. The Project Proponent shall provide ETP of capacity 50 KLD and the treated water shall be utilized forgreen belt development and OSR as committed.

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

13. The project proponent shall submit STP and ETP Adequacy Report from reputed institutions to TNPCB before obtaining CTO.
14. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc. to TNPCB before obtaining CTO.
15. The treated/untreated sewage water shall not be let-out from the unit premises.
16. The Project Proponent shall analyse the treated wastewater samples periodically through TNPCB.
17. 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.
18. The height of the stacks of DG sets shall be provided as per the CPCB norms.
19. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc., to TNPCB before obtaining CTO.
20. 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.
21. 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.
22. 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-I, 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.
23. 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

24. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
25. The excess runoff water shall be connected to a nearby water body.
26. The generated Bio medical waste shall be handled as per Bio Medical waste management Rules 2016.
27. 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.
28. 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.
29. No waste of any type to be disposed off in any other way other than the approved one.
30. 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.
31. 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.
32. 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.
33. 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.
34. 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

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

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.

35. 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.

36. As accepted by the Project Proponent the CER cost is Rs. 3.0 Croresand the amount shall be spent for the activities as committed by the proponent before CTO from TNPCB.

S. No	CER Activity	Capital cost Allocation (in lakhs)
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: 1. Government High School – School, Ongur 2. Government primary school – Thanankuppam 3. Government Elementary school - Thozhuppedu		50
Free treatment for nearby villages, medical camps, free master health check		50
Total Cost Allocation		**100**

Agenda No. 358 - 05.
File No. 9677/2022

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

Proposed irrigation project by construction of barrage with head sluices across the River Coleroon (12 km downstream of Lower Anicut) at RD 74/3 Mile in Adhanur Village, Kattumannarkoil Taluk, Cuddalore District with Cultural Command Area - 6601 Ha (53Nos.Villages) and Kumara Mangalam Village, Mayiladuthurai Taluk & District with Cultural Command Area - 2558 Ha (35 Nos.Villages) with total Cultural Command Area - 9159 Ha (< 10,000 Ha) for Ayacut development through North and South Rajan canals by The Executive Engineer, Water Resource Department, Special Project Division, Kumbakonam District - For Environmental Clearance. (SIA/TN/RIV/406095/2022) dt: 18.11.2022).

The proposal was placed in the 358th SEAC Meeting held on 24.02.2023. The details of the minutes are available in the website (parivesh.nic. in).

The SEAC noted the following:

1. The Proponent, The Executive Engineer, Water Resource Department, Special Project Division, Kumbakonam District has applied for Environmental Clearance for the proposed irrigation project by construction of barrage with head sluices across the River Coleroon (12 km downstream of Lower Anicut) at RD 74/3 Mile in Adhanur Village, Kattumannarkoil Taluk, Cuddalore District with Cultural Command Area - 6601 Ha (53Nos.Villages) and Kumaramangalam Village, Mayiladuthurai Taluk & District with Cultural Command Area - 2558 Ha (35 Nos.Villages) with total Cultural Command Area - 9159 Ha (< 10,000 Ha) for Ayacut development through North and South Rajan canals.
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. MoEF&CC, Office Memorandum Dt:12.11.2020.

****

During the meeting the SEAC noted that, the project activity was started without prior Environmental Clearance and the SEAC decided to **recommend grant of sector specific standard Terms of Reference (ToR - under violation category) with public hearing** for conducting Environment Impact Assessment Study for River Valley Projects in 3 parts for the project, for assessment of Ecological damage, remediation plan and natural & community resource augmentation plan to be prepared as an independent chapter in the Environment Impact Assessment report by the Accredited consultant and also with collection and analysis of data for the assessment of

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

ecological damage, preparation of remediation plan and natural & community resource augmentation plan to be done by an Environmental laboratory duly notified under the Environment (Protection) Act, 1986, accredited by NABET or a laboratory of council of Scientific and Industrial research Institutions working in the field of Environment in addition to the following ToRs. Further, this issuance of ToR under violation does not warrant grant of EC and the grant of EC is subject to the outcome of the court case filed before the Hon'ble High Court of Madras (Madurai Bench) vide *W.P.(MD) No. 11757 of 2021 titled Fatima Vs Union of India challenging the SoP for violation proposals dated 07th July 2021*:

1. The pp shall furnish 30 Years Coleroon river flow data.
2. The pp shall furnish drainage pattern around 10 km of the project site & the Cultural Command Area along with details of wells, infiltration area, surface water sources with capacity, Ground water level etc for a period of 10 Years.
3. Details and current status of Land acquisition for Govt. and Private lands with Survey No. & Village.
4. Details on the operating, expired, abandoned quarries located within 5 km radially around the proposed construction of barrage.
5. Details on the seismicity of the region where the construction is carried out.
6. Details of impact on pulse & paddy production before & after proposed construction of barrage.
7. Details of drinking water sources downside of barrage and the implications of barrage on them.
8. Detailed residual moisture impact study.
9. Details & Impact study on the proposed desilting & Dredging activity associated with proposed construction of barrage.
10. Details on Disaster Management pertaining to proposed barrage.

Agenda No: 358 - 06
(File No: 9715/2022)
Proposal seeking environmental clearance for the proposed Expansion for Construction of Existing Hospital and Medical College in S.No. 51/ 1A1, 1B1, 3A1, 3B1, 2,4A, 50/1, 2, 3, 4, 5, 6, 7, 33/1, 33/2C, 33/2A, 34/1, 2 & 47/2 at Nallur Village, Ponneri Taluk, Thiruvallur District,

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

Tamil Nadu by M/s ARR Charitable Trust applied under 8(a) Building and Construction projects, Tamil Nadu (SIA/TN/INFRA2/410864/2022 Dated: 17.12.2022)

The proposal was placed in 358th SEAC meeting held on 24.02.2023. 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 ARR Charitable Trust has applied for Environmental Clearance for the Proposed Expansion for Construction of Hospital and Medical College in S.No. 51/ 1A1, 1B1, 3A1, 3B1, 2,4A, 50/1, 2, 3, 4, 5, 6, 7, 33/1, 33/2C, 33/2A, 34/1, 2 & 47/2 at Nallur Village, Ponneri 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. Earlier EC accorded to M/s ARR Charitable Trust vide Letter No. SEIAA - TN/F.No.7232/EC/8(a)/718/2020 dated:30.09.2020.
4. As per the reference above, existing Environmental clearance was obtained for the following components.

   Construction of Hospital, Admin Block & Hostel consisting of Hospital: Basement floor + GF + 4Floors, Admin Building: Basement floor + GF + 3 Floors; Hostel: Basement floor + GF + 4 Floors. The total plot area is 74721.88 Sqm and Total built up area is 75676.3 Sqm.
5. Obtained planning permit from CMDA and started construction in the year 2021.
6. Total land area is 74721.88 Sq.m & the total built-up area after expansion is 82041.81Sq.m.

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

<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 Existing Hospital by M/s. ARR Charitable Trust</td></tr>
<tr><td>2.</td><td>Location</td><td>S.No. 51/ 1A1, 1B1, 3A1, 3B1, 2,4A, 50/1, 2, 3, 4, 5, 6, 7, 33/1, 33/2C, 33/2A, 34/1, 2 & 47/2 at Nallur Village, Ponneri Taluk, Thiruvallur District and 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>Latitude Longitude
13° 2'56.28" N 80° 10' 13.19" E
13°12'53.34" N 80° 10' 20.72" E
13° 13'4.54" N 80° 10' 23.51" E
13° 13'7.67" N 80° 10' 18.95" 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 colspan="2">74721.88 Sq.m</td></tr>
<tr><td></td><td>Land area for Non Hospital development</td><td colspan="2">34966.88 Sq.m</td></tr>
<tr><td></td><td>Land area for Hospital development</td><td colspan="2">39755 Sq.m</td></tr>
<tr><td>2.</td><td>Ground coverage for Hospital</td><td>9650.11</td><td>13</td></tr>
<tr><td>3.</td><td>Roads and Pavements</td><td>13800</td><td>18</td></tr>
<tr><td>4.</td><td>Surface parking area</td><td>3245</td><td>4</td></tr>
<tr><td>5.</td><td>Utilities area</td><td>1417</td><td>2</td></tr>
<tr><td>6.</td><td>Green belt development</td><td>11208</td><td>15</td></tr>
<tr><td>7.</td><td>OSR</td><td>7484.44</td><td>10</td></tr>
<tr><td>8.</td><td>Ground coverage for Non - Hospital Development</td><td>27917.33</td><td>38</td></tr>
</table>
</td></tr>
<tr><td>6.</td><td>Built up area</td><td>Built up area after Expansion - 82041.81 Sqm</td></tr>
<tr><td>7.</td><td>Cost of Project</td><td>Rs. 65.89 crores</td></tr>
</table>

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

8.	Brief description of the project	Expansion of Existing Hospital project involves addition of upper 5th, 6th & 7th floor. The project consists of Basement floor + Ground floor + 7 Floors with 1200 beds. Total No. of beds in existing hospital building – 815 Numbers Proposed number of beds foe expansion - 315 **Built up Area Statement breakup:**

Description	FSI Area (Sqm)	Non FSI Area (Sqm)	Parking (Sqm)	Total built up area (Sqm)
Existing				
Basement Floor	0	-	10170.32	10170.32
Ground Floor	8988.18	691.93	-	9680.11
1st Floor	8125.74	956.55	-	9082.29
2nd floor	8059.55	847.99	-	8907.54
3rd floor	7942.38	897.93	-	8840.31
4th floor	7943.11	897.2	-	8840.31
Total	**41058.96**	**4291.6**	**10170.32**	**55520.88**
Proposed Expansion				
5th floor	7965.79	874.52	-	8840.31
6th floor	7965.79	874.52	-	8840.31
7th floor	7965.79	874.52	-	8840.31
Total	**23897.37**	**2623.56**		**26520.93**
Grand Total	**64956.33**	**6915.16**	**10170.32**	**82041.81**

9.	a) Water requirement KLD	**Particulars**	**Existing as per EC (Hospital, Admin, Hostel)**	**As per Existing only for (Hospital building)**	**EC Sought for Expansion (Hospital building)**	**After Expansion (Hospital building)**
		Total Water Requirement	563 KLD	474 KLD	212 KLD	686 KLD

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

		Total freshwater requirement	350 KLD	317 KLD	141 KLD	458 KLD
		Domestic Water Requirement	325 KLD	292 KLD	131 KLD	423 KLD
		Lab + CSSD + OT	25 KLD	25 KLD	10 KLD	35 KLD
		Flushing Water Requirement	150 KLD	119 KLD	44 KLD	163 KLD
		Green Belt Development & OSR	63 KLD	-	2 KLD	65 KLD
		Sewage Generation	150 (Sewage) & 293 (Grey Water)	382 KLD	161 KLD	543 KLD
		Effluent generation	25 KLD	25 KLD	10 KLD	35 KLD
		Excess Treated sewage to Avenue plantation	108 KLD	-	-	-
	b) Source	Cholavaram PU				
10.	Quantity of Sewage KLD	Sewage Generation – 543 KLD Effluent generation – 35 KLD				

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

<table>
<tr><td>11.</td><td>Details of Sewage Treatment Plant</td><td>Sewage Treatment Plant – 600 KLD capacity (SBR type)

Effluent Treatment Plant – 35 KLD capacity

<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>Oil & Grease Trap</td></tr>
<tr><td>3</td><td>Raw sewage Collection tank</td></tr>
<tr><td>4</td><td>SBR Tank 1 & 2</td></tr>
<tr><td>5</td><td>Decant Tank</td></tr>
<tr><td>6</td><td>Treated Tank</td></tr>
<tr><td>9</td><td>Pressure Sand Filter</td></tr>
<tr><td>10</td><td>Activated Carbon Filter</td></tr>
<tr><td>11</td><td>Sludge holding tank</td></tr>
<tr><td>12</td><td>Drain Pit</td></tr>
<tr><td>13</td><td>Saucer Drain</td></tr>
<tr><td>14</td><td>UV Disinfection system</td></tr>
<tr><td>15</td><td>Dewatering system – Mechanical filter press 610 mm x 610 mm –15 plates</td></tr>
</table>

<table>
<tr><th>S.No</th><th>Units of ETP</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>Clarifier Water Tank</td></tr>
<tr><td>4</td><td>Clarified Tank</td></tr>
<tr><td>5</td><td>Pressure Sand Filter</td></tr>
<tr><td>6</td><td>Activated Carbon Filter</td></tr>
<tr><td>7</td><td>Treated Water Tank</td></tr>
</table>
</td></tr>
<tr><td>12.</td><td>Mode of Disposal of treated sewage with quantity</td><td>Treated Sewage Waste water – 516 KLD
i. Toilet flushing – 163 KLD
ii. Greenbelt development & OSR development – 32 KLD
iii. HVAC – 321 KLD

Treated Effluent water - 33 KLD
i. Greenbelt development & OSR development – 33 KLD</td></tr>
</table>

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

<table>
<tr><td>13.</td><td>Quantity of Solid Waste generated per day , Mode of treatment and Disposal of Solid Waste</td><td colspan="3"><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>0.990</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>1.485</td><td>Sent to authorized recyclers or local bodies for recycling</td></tr>
<tr><td>STP Sludge</td><td>0.5</td><td>Will be used as manure for greenbelt development</td></tr>
</table></td></tr>
<tr><td>14.</td><td>Power requirement</td><td colspan="3">1600 kVA (source of Power – Supply from TNEB Grid)</td></tr>
<tr><td>15.</td><td>Details of D.G. set with Capacity</td><td colspan="3">➢ 2 Nos. of 750 kVA DG sets
➢ Acoustic enclosures proposed for DG ests to comply with the noise level standards prescribed by CPCB.
➢ Stack of Height of 32m for all the DG is proposed as per CPCB specifications.</td></tr>
<tr><td>16.</td><td>Details of Green Belt Area</td><td colspan="3">11208 Sq.m</td></tr>
<tr><td>17.</td><td>Details of Parking Area</td><td colspan="3"><table>
<tr><th>Details</th><th>No. of Car parkings</th><th>No of two wheeler parkings</th></tr>
<tr><td>Total number of parkings in Basement</td><td>201</td><td>129</td></tr>
<tr><td>Total number of parkings in Ground Level</td><td>228</td><td>194</td></tr>
<tr><td>Total number of Parkings provided</td><td>429</td><td>323</td></tr>
</table></td></tr>
</table>

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

18.	Provision for rain water harvesting	RWH Storage Tank - 200 Cu.m. No. of RWH recharge pits - 55 nos.
19.	EMP Cost (Rs.)	**Construction Phase including capital cost & O&M Cost):** Rs.28 Lakhs **Operation Phase:** **Capital Cost – Rs.132 Lakhs.** **Operation & Maintenance Cost -Rs. 45 Lakhs.**
20.	CER activities with the specific allocation of funds	Rs.50 Lakhs as per SEAC Minutes

The proposal is placed in this 358th SEAC Meeting held on 24.02.2023. 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 proposed expansion of floors.
2. The proponent shall provide Green Pavement.
3. 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.
4. PP shall ensure that minimum 50% of DG sets which are proposed to be set up 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

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

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 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.
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.

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

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.
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 cost is Rs. 50 Lakhs and the amount shall be spent for the activities as committed, before obtaining CTO from TNPCB.

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

Agenda No. 358-07
(File No. 9716/2022)
Existing Standalone Steel Rolling Mill at Plot No. B-15, SIPCOT Industrial Complex, Gummidipoondi, Tiruvallur District, Tamilnadu by M/s. Arun Vyapar Udyog Pvt. Ltd – for Terms of Reference (SIA/TN/IND1/411761/2022 dated.23.12.2022)

The proposal was placed in the 358th SEAC Meeting held on 24.02.2023. 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. Arun Vyapar Udyog Pvt.Ltd**has applied for Terms of Reference for the Existing Standalone Steel Rolling Millat Plot No. B-15, SIPCOT Industrial Complex, Gummidipoondi, Tiruvallur District, Tamilnadu.
2. The project/activity is covered under Category "B1" of Item 3(a) "Metallurgical industries (ferrous & non-ferrous)" of the Schedule to the EIA Notification,2006.

Based on the presentation made by the proponent and the documents furnished, the **SEAC decided to prescribe TOR for the preparation of Detailed EIA report.** The Detailed EIA shall include standard ToR along with the following additionalToR:

1. **The PP shall obtain NBWL clearance since the Pulicat Eco-sensitive Zone is located within 10 Km from the project site.**
2. The proponent shall furnish the production detail submitted to the Commercial Tax department for the last 5 years.
3. The proponent shall furnish videos showing the entire premises including entire process.
4. The proponent shall also submit the videos and photographs of the operational details with particular reference to points of pollution in the existing plant.
5. The proponent shall furnish details on the idling period provided.
6. The proponent shall furnish details on measures adopted for better and efficient operation of melting & charging.
7. The proponent shall furnish details on the control measures adopted during heat finishing and tapping.

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

8. The proponent shall submit the copy of the consent to operate and the latest renewal consent order issued by the TNPCB.
9. The proponent shall submit the compliance report from TNPCB for the conditions imposed in the consent order issued by the TNPCB.
10. The Environmental pollution control measures taken to deal with Air pollution, effluent generation and slag generation should be detailed.
11. The project proponent has to strengthen the air pollution control measures of the existing system and furnish an adequacy report on the revamped system from a reputed institution like Anna University or IIT, Madras along with the EIA report. The revamping of the existing air pollution control measures should include the interlinking of the position of the hood system and furnace to ensure that the emission from the furnace shall be treated and routed through wet scrubber and stack.
12. The proponent shall obtain prior permission from the Central Ground Water Authority for withdrawal of groundwater, if applicable.
13. Material balance and Water balance shall be furnished in accordance with MoEF&CC guidelines.
14. A detailed report on Solid waste management, Hazardous waste shall be furnished.
15. Report on AAQ survey and proposed Air pollution prevention and control measures shall be furnished in the EIA report.
16. The project proponent shall do the Stoichiometric analysis of all the involved reactions to assess the possible emission of air pollutants in addition to the criteria pollutants, from the proposed project.
17. Adequacy report for ETP & STP for the proposed project obtained from any reputed Government institution such as IIT, Anna University, NIT shall be furnished.
18. Land use classification shall be obtained from the DTCP for the Survey Numbers of this project. Further, the project proponent shall submit the planning permission obtained from the DTCP, if any.
19. The proponent shall conduct the EIA study and submit the EIA report for the entire premises along with layout and necessary documents such as "A"

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

register and village map.

20. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act. 1986, in case of the diversion of forest land for non- forest purpose involved in the project.
21. The project proponent shall explore the possibilities of treating and utilizing the trade effluent and sewage within the premises to achieve Zero liquid discharge.
22. 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 be not less than 15 % of the total land area of the project.
23. As the plant operation involves the sensitive processing, the medical officer and the supporting staff involved in the health centre activities shall be trained in occupational health surveillance (OHS) aspects through the outsourced training from the experts available in the field of OHS for ensuring the health standard of persons employed.
24. The proposal for Roof Top solar panel shall be included in the EIA Report.
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 furnish the detailed EMP.

Agenda No: 358-08
(File No: 9730/2023)
Proposed Construction of Residential Development for Senior Citizens in the name of "Nana Nani, Phase VII" at S.F.No. 853/1A1, 854, 855, 857, 863/3, 864/1C & 2C at Kalikkanaickenpalayam Village, Dhaliyur Town Panchayat, Perur Taluk, Coimbatore District, Tamilnadu by M/s. Ananya Shelters Private Limited - For Environmental Clearance. (SIA/TN/INFRA2/413802/2023 dated 10.01.2023)

The proposal was placed in this 358th SEAC meeting held on 24.02.2023. 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. Ananya Shelters Private Limited** has applied for Environmental Clearance for the Proposed Construction of Residential

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

Development for Senior Citizens in the name of "Nana Nani, Phase VII" at S.F.No. 853/1A1, 854, 855, 857, 863/3, 864/1C & 2C at Kalikkanaickenpalayam Village, Dhaliyur Town Panchayat, Perur Taluk, Coimbatore 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:

S. No	Description	Details	
1.	Name of the Project	Proposed Construction of Residential Development for Senior Citizen inthe name of "Nana Nani, Phase VII" by M/s. Ananya Shelters Private Limited	
2.	Location	S.F.No. 853/1A1, 854, 855, 857, 863/3, 864/1C & 2C at Kalikkanaickenpalayam Village, Perur Taluk, Coimbatore District, Tamilnadu	
3.	Type of Project	Building and Construction Projects Schedule 8 (a)	
4.	Latitude & Longitude	**Latitude**	**Longitude**
		11°00'16.28" N	76°50'49.9" E
		11°00'16.90" N	76°50'55.23" E
		11°00'16.22" N	76°50'55.85" E
		11°00'16.30" N	76°50'53.99" E
		11°00'18.37" N	76°50'53.82" E
		11°00'18.16" N	76°50'49.97" E
		11°00'20.84" N	76°50'49.80" E
		11°00'24.27" N	76°50'59.03"E

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

<table>
<tr><td>5.</td><td>Total Area (in sq. m)</td><td>33,130 Sq.m
<table>
<tr><th>S. No</th><th>Description</th><th>Area in (sqm)</th><th>Percentage (%)</th></tr>
<tr><td>1.</td><td>Plot Coverage Area</td><td>13189</td><td>39.8</td></tr>
<tr><td>2.</td><td>OSR Area</td><td>3346</td><td>10.1</td></tr>
<tr><td>3.</td><td>Internal Roads & Pathways</td><td>9498</td><td>28.7</td></tr>
<tr><td>4.</td><td>Green Belt Area</td><td>5240</td><td>15.8</td></tr>
<tr><td>5.</td><td>Others Utilities Open</td><td>1857</td><td>5.6</td></tr>
<tr><td colspan="2">Total Plot Area</td><td>33130</td><td>100</td></tr>
</table></td></tr>
<tr><td>6.</td><td>Built up area</td><td>54,498.88 Sq.m.</td></tr>
<tr><td>7.</td><td>Cost of Project</td><td>130.37 Crores</td></tr>
<tr><td>8.</td><td>Brief description of the project</td><td>
<table>
<tr><th rowspan="2">Flat</th><th colspan="2">Total in sqm</th></tr>
<tr><th>F.S.I</th><th>Non F.S.I</th></tr>
<tr><td>Block A-M</td><td>34235.15</td><td>7832.12</td></tr>
<tr><td>Villa 1-35</td><td>7778.96</td><td>267.4</td></tr>
<tr><td>Club House</td><td>2973.84</td><td>61.3</td></tr>
<tr><td>Office</td><td>694.92</td><td>24.65</td></tr>
<tr><td>Meditation hall</td><td>419.7</td><td>-----</td></tr>
<tr><td>Watchman Room/ Tower/ Arch</td><td>31.84</td><td>-----</td></tr>
<tr><td>DG Room</td><td>30</td><td>-----</td></tr>
<tr><td>RO Room</td><td>54</td><td>-----</td></tr>
<tr><td>STP</td><td>95</td><td>-----</td></tr>
<tr><td>Total</td><td>46313.41</td><td>8185.47</td></tr>
<tr><td>Total Built-up Area</td><td colspan="2">54498.88</td></tr>
</table></td></tr>
</table>

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

9.	a) Water requirement KLD	<table><tr><th>S. No</th><th>Details</th><th>Quantity (KLD)</th></tr><tr><td>1.</td><td>Total Water Requirement</td><td>107 KLD</td></tr><tr><td>2.</td><td>Total Fresh Water Requirement</td><td>70 KLD</td></tr><tr><td>3.</td><td>Treated Water Requirement for Flushing Purposes</td><td>37 KLD</td></tr><tr><td>4.</td><td>Treated Water Requirement for Gardening Purposes</td><td>30 KLD</td></tr></table>
	b) Source	TWAD Board through Dhaliyur Town Panchayat
10.	Quantity of Sewage	Quantity Of Sewage Generated: 97 KLD
11.	Details of /Sewage Treatment Plant	**Sewage Treatment Plant 100 KLD – MBBR Technology** **S. No. / Description / Size/Capacity** 1 Bar Screen Chamber — 1.2 x 1.2 x 0.45 (LD) + 1.2 (FB) 2 Sewage Collection Tank — 7.0 x 7.0 x 2.5 m (LD) +1.5 m (FB) 3 Aeration Tank — 7.5 x 5.0 x 3.0m LD + 0.5 (FB) 4 Settling Tank — 2.5 x 2.0 x 2.6 LD x1.0 HD +0.3 (FB) m 5 Filter Feed Tank — 3.0 x 3.5 x 2.5 m LD + 0.4 m FB 6 Pressure Sand Filter — 1.0 m dia x 1.5 (Hos) 7 Activated Carbon Filter — 1.0 m dia x 1.5 (Hos) 8 Treated Sewage Tank — 4.0 x 4.2 x 3.0 m LD + 0.3m FB 9 Sludge Digester / Holding Tank — 3.0 x 2.67 x 2.5 (LD) 10 Filter press — 1.0 m 3 / hr

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

<table>
<tr><td></td><td></td><td>11 UV system 5 m 3 / hr</td></tr>
<tr><td>12.</td><td>Mode of Disposal of treated sewage with quantity</td><td>Total Treated wastewater – 97 KLD
i. Avenue Plantation – 30 KLD
ii. Toilet Flushing – 37 KLD
iii. Greenbelt Development– 30 KLD</td></tr>
<tr><td>13.</td><td>Quantity of Solid Waste generated per day, Mode of treatment and Disposal</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 @ 60% of Waste generated</td><td>291.1</td><td>Treated in the Organic Waste Convertor Proposed Within the Project Site. Manure Generated Will be used for landscaping purpose within Project site.</td></tr>
<tr><td>2</td><td>Non-Biodegradable waste @ 40% of Waste Generated</td><td>194.1</td><td>Sold to recyclers.</td></tr>
<tr><td>3</td><td>Equalization Tank</td><td>25</td><td>Used as manure for greenbelt Development</td></tr>
</table>
</td></tr>
<tr><td>14.</td><td>Power requirement</td><td>1950 KVA Sourced From TANGEDCO</td></tr>
<tr><td>15.</td><td>Details of D.G. set with Capacity</td><td>3 Nos. of 250 KVA
Stack height – as per CPCB norms</td></tr>
<tr><td>16.</td><td>Details of Green Belt Area</td><td>5240 Sq.m</td></tr>
</table>

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

<table>
<tr><td>17.</td><td>Details of Parking Area</td><td>
<table>
<tr><th>Details</th><th>Required</th><th>Provided</th></tr>
<tr><td>No. of Car Parking</td><td>270 Nos.</td><td>383 Nos.</td></tr>
<tr><td>No of 2-Wheeler Parking</td><td>264 Nos.</td><td>266 Nos.</td></tr>
</table>
</td></tr>
<tr><td>18.</td><td>Provision for rain water harvesting</td><td>
<table>
<tr><th>Description</th><th>Area in Sq.m</th><th>Coefficient run off</th><th>Annual Rainfall in M</th><th>Total Rainwater Runoff Cum</th></tr>
<tr><td>Roof Area</td><td>13189</td><td>0.85</td><td>0.9</td><td>10089</td></tr>
<tr><td>Road Area</td><td>9498</td><td>0.7</td><td>0.9</td><td>5984</td></tr>
<tr><td>Green Area</td><td>8586</td><td>0.3</td><td>0.9</td><td>2318</td></tr>
<tr><td>Other Area</td><td>1857</td><td>0.7</td><td>0.9</td><td>1170</td></tr>
<tr><td colspan="4">Total Annual Rainfall</td><td>19570</td></tr>
<tr><td colspan="4">Considering 50 days Rainy day in 365 days, per day rainwater will be</td><td>391</td></tr>
<tr><td colspan="4">Rain Water Collection Sump Capacity - 100% of the roof top Collection per day will be 202 KLD 300 Cum Rainwater Storage Tanks Proposed in the Site</td><td>202</td></tr>
<tr><td colspan="4">Remaining Storm water will be recharge into recharge pit.
Recharge Pit: 30 Nos with Dia 1.2 m, Depth 3m.</td><td>189</td></tr>
<tr><td colspan="5">100 % of Rain water managed inside by Storage and recharge within the Site</td></tr>
</table>
</td></tr>
<tr><td>19.</td><td>EMP Cost (Rs.)</td><td>During Construction Phase
Capital Cost – Rs. 10.Lakhs
O & M Cost – Rs. 30.5 Lakhs
During Operation Phase
Capital Cost – Rs. 127 Lakhs
Recurring Cost – Rs. 55 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 to 20% by suitably changing/adjusting the surface parking area.

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

3. At least 75% of the roof coverage should be specifically allocated for solar panels and should be used for the generation of solar energy.
4. The height of the stacks of DG sets shall be provided as per the CPCB norms.
5. The proponent shall ensure that DG sets are run on green energy sources instead of Diesel.
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, avenue plantation, 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 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.
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 cost is **Rs. 200 lakhs** and the amount shall be spent for the following activities as committed by the proponent before CTO from TNPCB.

S.No.	Beneficiary	CER Activity	Capital cost Allocation (in Lakhs)
1	Government Boys Higher Secondary School, Thondamuthor	i. Providing hygiene Toilets rooms for students ii. Providing Environmental related books in the school library iii. Infrastructure development works if any as per demand iv. Building repair work as per school demand	45
2	Government girls Higher Secondary school, Thondamuthur	i. Providing Sanitation facilities – Toilets ii. Provision of Library facilities. Improving IT Infrastructures iii. Greeneries development around the periphery of the school iv. Electrical incinerators for disposal of sanitary napkins v. Rainwater harvesting system.	40
3	Government High school, Kalikkanaickenpalayam	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	45
4	Government Hospital, Thondamuthur	i. Medical Equipement ii. Additional Toilet facilities iii. Patient waiting hall iv. Provision for Geriatric ward	70

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

Total Cost Allocation	200

Agenda No: 358 - 09
(File No: 9743/2022)
Proposal seeking Environmental clearance for the proposed expansion of Residential cum Commercial project at Survey Nos. 360/B, 363/1, 364, 365/1A, 366/1A, 366/1B, 366/2A, 366/4, 380/1, 391/1, 392/1A, 393, 394/2A, 396, 397/1 & 397/2A1 of Thirumudivakkam Village, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu by M/s. Navin Housing & Properties Private Limited applied under Category "B" of item 8(a) Building and Construction projects, Tamil Nadu (SIA/TN/INFRA2/411584/2022 Dated: 10.01.2023)

The proposal was placed in 358th SEAC meeting held on 24.02.2023. 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. Navin Housing & Properties Private Limited has applied for Environmental clearance for the proposed expansion of Residential cum Commercial project at Survey Nos. 360/B, 363/1, 364, 365/1A, 366/1A, 366/1B, 366/2A, 366/4, 380/1, 391/1, 392/1A, 393, 394/2A, 396, 397/1 & 397/2A1 of Thirumudivakkam Village, Sriperumbudur Taluk, Kancheepuram 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 44,960 Sq.m & the total built-up area after expansion is 53,357 Sq.m.

Project Details	EC Obtained	EC Amendment Sought
Land area	44,815 Sq.m	44,960 Sq.m
Total built up area	70,592 Sq.m	53,357 Sq.m
Cost of the Project	89.1Crores	78.76 Crores
Building components	Refer Table Below	Refer Table
No. of Dwelling Units	630 Units	434 Units
Total Water Requirement	312 KLD	325
Fresh Water Requirement	287 KLD	198
Swimming Pool Top Up	25 KLD	2 KLD

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

Toilet Flushing	148 KLD	102 KLD
Green Belt development	31	23 KLD
Source of Water	Thirumudivakkam	Thirumudivakka
Sewage Generation	359 KLD	260 KLD
STP Capacity	385 KLD	350 KLD
Disposal of Treated Sewage	180 KLD – Avenue	122 KLD –
Solid waste	otal Solid Waste Generated: 1,997 kgs/day Biodegradable Waste : 1,186 Kgs/day Organic Sludge Generation: 20 kgs/day Non- Biodegradable waste: 791 kgs/day	Total Solid Waste Generated: 1,407 kgs/day Biodegradable Waste : 854 Kgs/day Organic Sludge Generation: 26 kgs/day
Power Requirement	9,249.94 kW	3497
Details of DG set	1 nos. of 100 kVA 2 no. of 110 kVA 2 nos. of 125 KVA 5 nos. of 140 KVA 1 no. of 180 KVA 1 no. of 200 KVA	1 nos. of 82.5 kVA 1 no. of 100 kVA 1 nos. of 250 KVA
Green Belt Area	Green Belt and OSR area = 8,963 Sq.m	Green belt Area : 6,744 Sq.m OSR Area :

4.

EC Obtained (September 2013)		EC Amendment Sought	
Block Details	No. of	Block Details	No
Block 1 (S+7 Floors) (Not Started)	98	Block 2 (G+2 Floors)	9
		Block 3 (G+2 Floors)	1
		Block 4 (G+2 Floors)	3
		Block 5 (G+2 Floors)	3
		Block 6 (G+2 Floors)	3
		Block 7 (G+2 Floors)	5
		Block 8 (G+2 Floors)	6
Block 2 (S+7 Floors) (Not Started)	70	Block 9 (G+2 Floors)	6
		Block 10 (G+2 Floors)	6
		Block 11 (G+2 Floors)	6
		Block 12 (G+2 Floors)	6
Block 3 (S+7 Floors) (Not	56	Block 23 (G+2 Floors)	1
		Block 24 (G+2 Floors)	9
		Block 25 (G+2 Floors)	3
		Block 13 (G+2 Floors)	1

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

Block 4 (S+7 Floors) (Not	70	Block 14 (G+2 Floors)	1
		Block 15 (G+2 Floors)	1
Block 5 (S+7 Floors) (Not Started)	70	Block 17 (G+2 Floors)	3
		Block 18 (G+2 Floors)	2
		Block 19 (G+2 Floors)	2
		Block 20 (G+2 Floors)	2
		Block 21 (G+2 Floors)	3
		Block 22 (G+2 Floors)	3
Block 6 (S+7 Floors)	70	Block 6A (S+7 Floors) (Renamed)	70
Block 7 (S+7 Floors) (Completed)	70	Block 7A (S+7 Floors) (Renamed)	70
Block 8 (S+7 Floors) (Completed)	126	Block 8A (S+7 Floors) (Renamed)	126
Block 9 (Commercial Block: S+3 Floors) (Not Started)		Block 1 (Commercial Block: G+2 Floors)	
Block 10 (Club house Block: G+1 Floor) (Not Started)		Block 26 (G+2 Floors)	5
		Block 27 (G+2 Floors)	5
		Block 29 (Change Room: G)	
Block 11 (Model Flat Block: S+1 Floor) (Completed)		Block 28 (Club House: G+1 Floor) (Change in	
Total	**630 units**	**Total**	**434 units**

Sl. No.	Details of the proposal	Data Furnished
1.	Name of the Project	Residential cum Commercial development Project by M/s. Navin Housing & Properties Private Limited
2.	Location	Survey Nos. 360/B, 363/1, 364, 365/1A, 366/1A, 366/1B, 366/2A, 366/4, 380/1, 391/1, 392/1A, 393, 394/2A, 396, 397/1 & 397/2A1 of Thirumudivakkam village, Sriperumbudur Taluk, Kancheepuram District. Tamil Nadu
3.	Type of the Project	Building and Construction Projects Schedule 8 (a), Category "B2"
4.	Latitude and Longitude	Latitude: 12°57'57.64"N Longitude: 80°6'8.92"E

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

5.	Total area in sqm	a. Total Land Area - 44,960 Sq.m b. Total area gifted for link road and street alignment – 7,780 Sq.m c. Total Ground coverage area of buildings – 13,305 Sq.m d. Other utilities area – 899 Sq.m e. Surface parking area – 2,072 Sq.m f. Roads and pavement area – 10,408 Sq.m g. Green Belt Development area – 6,744 Sq.m h. OSR – 3,752 Sq.m
6.	Built up Area	53,357 Sq.m
7.	Cost of the Project	Rs. 78.76 Crores
8.	Brief Description of the Project	The current proposal seeking amendment consists of existing residential blocks Block No. 6A : (S + 7 Floors), Block No. 7A : (S + 7 Floors), Block No. 8A : (S + 7 Floors) comprising 266 dwelling units altogether, 1 Block No. 28 : Club House – (G+ 1 Floor) and proposed 26 residential blocks namely Block No. 2 : (G+2 Floors) , Block No. 3 : (G+2 Floors), Block No. 4 : (G+2 Floors), Block No. 5 : (G+2 Floors), Block No. 6 : (G+2 Floors), Block No. 7 : (G+2 Floors), Block No. 8 : (G+2 Floors), Block No. 9 : (G+2 Floors), Block No. 10 : (G+2 Floors), Block No. 11 : (G+2 Floors), Block No. 12 : (G+2 Floors), Block No. 13 : (G+2 Floors), Block No. 14 : (G+2 Floors), Block No. 15 : (G+2 Floors), Block No. 16 : (G+2 Floors), Block No. 17 : (G+2 Floors), Block No. 18 : (G+2 Floors), Block No. 19 : (G+2 Floors), Block No. 20 : (G+2 Floors), Block No. 21 : (G+2 Floors), Block No. 22 : (G+2 Floors), Block No. 23 : (G+2 Floors), Block No. 24 : (G+2 Floors), Block No. 25 : (G+2 Floors), Block No. 26 : (G+2 Floors), Block No. 27 : (G+2 Floors) comprising 168 Nos. of Dwelling units altogether and 2 commercial blocks namely Block No. 1 : Commercial Block : (G+2 Floors), & Block No. 29 : Change Room – Ground Floor

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC -TN

<table>
<tr><td>9.</td><td>a) Water Requirement (KLD)</td><td>Total Water Requirement – 325 KLD
1. Fresh water requirement – 200 KLD
i. Domestic water requirement – 198 KLD
ii. Swimming Pool Top-Up – 2 KLD
2. Treated water requirement – 125 KLD
i. Flushing purposes - 102 KLD
ii. Green belt development – 23 KLD</td></tr>
<tr><td></td><td>b) Water Source</td><td>Construction Phase
• Private Tankers
Operation Phase
• Primary Fresh water source- Local Body / Private Tankers
• Secondary Source – Treated water from STP</td></tr>
<tr><td>10.</td><td>Quantity if Sewage KLD</td><td>Sewage Generation - 260 KLD</td></tr>
<tr><td>11.</td><td>Details of Sewage Treatment Plant</td><td>Sewage Treatment Plant 350 KLD
(1 no. of 120 KLD
1 no. of 50 KLD
1 no. of 75 KLD
1 no. of 70 KLD
1 no. of 25 KLD
1 no. of 10 KLD)

<table><tr><th>S.No</th><th>Description</th></tr><tr><td>1</td><td>Bar Screen Chamber</td></tr><tr><td>2</td><td>Equalization tank</td></tr><tr><td>3</td><td>Pre-Aeration Tank</td></tr><tr><td>4</td><td>Aeration Tank (SBR)</td></tr><tr><td>5</td><td>Sludge Holding Tank</td></tr><tr><td>6</td><td>Filter press</td></tr><tr><td>7</td><td>Decant Tank</td></tr></table></td></tr>
</table>

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

<table>
<tr><td></td><td></td><td>
<table>
<tr><td>8</td><td>Pressure Sand Filter</td></tr>
<tr><td>9</td><td>Activated Carbon Filter</td></tr>
<tr><td>10</td><td>Ultra Filtration Feed Tank</td></tr>
<tr><td>11</td><td>UF System</td></tr>
<tr><td>12</td><td>UV System</td></tr>
<tr><td>13</td><td>Sludge Holding Tank</td></tr>
<tr><td>14</td><td>Treated Water Tank</td></tr>
</table>
</td><td></td></tr>
<tr><td>12.</td><td>Mode of disposal of treated sewage with quantity</td><td colspan="2">Total Treated Waste water – 247 KLD
1. Toilet flushing- 102 KLD
2. Green Belt Development- 23 KLD
3. Excess Discharge Avenue Plantation – 122 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 colspan="2">
<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 (@60% of waste generated)</td><td>828</td><td>Treated in Organic Waste Converter and used as manure for greenbelt development</td></tr>
<tr><td>2</td><td>Non - Biodegradable (@ 40% of waste generated)</td><td>553</td><td>Handed over to authorized recyclers/ Vendors</td></tr>
<tr><td>3</td><td>STP sludge</td><td>26</td><td>Dewatered and used as manure for greenbelt development</td></tr>
</table>
</td></tr>
<tr><td>14.</td><td>Power Requirement</td><td colspan="2">3497 KVA from TNEB grid</td></tr>
</table>

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

<table>
<tr><td>15.</td><td>Details of DG set with capacity</td><td>➢ 2 nos. of 82.5 kVA & 26m
➢ 1 no. of 100 kVA & 26m
➢ 1 no. of 250 KVA & 14m
➢ 1 no. of 160 KVA & 13m and
➢ 1 no. of 180 KVA & 14m set above the ground level</td></tr>
<tr><td>16.</td><td>Details of Green Belt Area</td><td>6,744 Sq.m</td></tr>
<tr><td>17.</td><td>Details of Parking Area</td><td>
<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 Two-wheeler parks</th><th>Area (Sq.m)</th></tr>
<tr><td>Total No. of parking provided</td><td>380</td><td>4,750</td><td>348</td><td>626</td></tr>
<tr><td>Total No. of parking required</td><td>256</td><td>3,200</td><td>284</td><td>511</td></tr>
</table>
</td></tr>
<tr><td>18.</td><td>Provision for Rain water Harvesting</td><td>Total runoff available – 922 Cu.m
465 cum Rainwater Storage tank
Recharge pit: 75 Nos with Dia 0.9 m, depth 4.5 m</td></tr>
<tr><td>19.</td><td>EMP Cost (Rs.)</td><td>Construction Phase:
Capital Cost- Rs.45 Lakhs
Annual operational expenses- Rs.25 Lakhs
Operation Phase:
Capital Cost- Rs.158 Lakhs
Recurring Cost- Rs.39 Lakhs</td></tr>
<tr><td>20.</td><td>CER activities with the specific</td><td>Rs. 10 Lakhs</td></tr>
</table>

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

	allocation of funds	

The proposal is placed in this 358th SEAC Meeting held on 24.02.2023. Based on the presentation and document furnished by the proponent, SEAC decided to **recommend the proposal for the grant of expansion of existing Environmental Clearance issued,** 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 provide Green Pavement.
3. 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.
4. PP shall ensure that minimum 50% of DG sets which are proposed to be set up 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

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

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.

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

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

approved one.

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 cost is Rs. 10 Lakhs and the amount shall be spent for the Sekkizhar Government School for Boys, Kundrathur, Chennai as committed, before obtaining CTO from TNPCB.

Agenda No: 358-10
(File No: 9744/202)
Proposed Establishment of Common Bio-Medical Waste Treatment Facility at S.F.No. 58/1, 58/2, 59/1A(Pt) & 59/1B (Pt) of Melpakkam Village, Uthiramerur Taluk, Kanchipuram District, Tamil Nadu by M/s. S Growth Alliances LLP- For Terms of Reference.(SIA/TN/INFRA2/412697/2023 Dt.06.01.2023)

The proposal was placed for appraisal in this 358th meeting of SEAC held on 24.02.2023. The details of the project furnished by the proponent are given inthewebsite(parivesh.nic.in).

TheSEACnotedthefollowing:

1. The project proponent, **M/s. S Growth Alliances LLP** has applied for terms of Reference for the Proposed Establishment of Common Bio-Medical Waste

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

Treatment Facility at S.F.No. 58/1, 58/2, 59/1A(Pt) & 59/1B (Pt) of Melpakkam Village, Uthiramerur Taluk, Kanchipuram District, Tamil Nadu.

2. The project/activity is covered under category "B1"of Item 7 da"Bio-Medical Waste Treatment Facilities"oftheschedule toEIANotification,2006.

Based on the presentation and documents furnished by the project proponent, SEAC noted that the proposed site has not been selected in consultation with the TNPCB as per the provisions of Bio-Medical Waste Management Rules, 2016.

Hence, the proposal is directed to comply with the Rules regarding site selection and inform the details, after which the proposal will be taken up for further examination.

Agenda No: 358-11
(File No: 9763/2022)
Proposed Construction of High Rise Building Complex (Residential Cum Commercial) at R.S.No. 322/1 in Block -11 &R.S.No. 321/3 in Block -10 in Triplicane (Part – 2) Village Mylapore Taluk Chennai District by M/s. BRIGADE ENTERPRISES LIMITED–for Environmental Clearance. (SIA/TN/INFRA2/411380/2022, dated: 31.12.2022)

The proposal was placed in this 358th meeting of SEAC held on 24.02.2023. 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. BRIGADE ENTERPRISES LIMITEDhas applied seeking Environmental Clearance for the proposed Construction of High Rise Building Complex (Residential Cum Commercial) at R.S.No. 322/1 in Block -11 &R.S.No. 321/3 in Block -10 in Triplicane (Part – 2) Village Mylapore Taluk Chennai District.

2. The project/activity is covered underCategory "B2" ofItem 8(a) "Building andConstructionProjects"oftheScheduletotheEIANotification,2006, as amended.

3. Construction of High Rise Building Complex (Residential Cum Commercial) with Combined Triple Basement Floors (for Parking) + Combined Ground Floor (for Retail, Amenities, Parking) + Combined First Floor (for Parking & Retail) +

Combined Second Floor (for Parking & Retail) + Combined Third Floor (for Parking & Retail) + Combined Fourth Floor (for Amenities, Residential Units, Swimming Pool & Retail); Tower 1 (Residential) – 5th Floor to 38th Floor (for Residential Units) + Terrace Floor with 250 dwelling units & Tower 2 (Commercial) – 5th Floor to 21st Floor (for Office Space) + Terrace Floor and other utilities with total built-up area of 1,47,885 Sq.m.

On perusal of the documents furnished by the Proponent, the SEAC noted that the project site is located within 10km aerial distance from the Guindy National Park. Hence SEAC decided defer the proposal and ask the PP for applicability of NBWL clearance.

Agenda No: 358 - 12
(File No: 9785/2023)
Proposal seeking environmental clearance for the Proposed Expansion and Amendment of Construction of IT Park Building in S.No.117, Plot No. H-6 (B45 & B46), SIPCOT IT Park, Siruseri Village, Vandalur Tlauk, Chengalpet District, Tamil Nadu by M/s. Capgemini Technology Services India Limited applied under Category "B" of item 8(a) Building and Construction projects, Tamil Nadu (SIA/TN/INFRA2/416443/2023 Dated: 31.01.2023)

The proposal was placed in 358th SEAC meeting held on 24.02.2023. 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. Capgemini Technology Services India Limited has applied for Environmental Clearance for the Proposed Expansion and Amendment of Construction of IT Park Building in S.No.117, Plot No. H-6 (B45 & B46), SIPCOT IT Park, Siruseri Village, Vandalur Tlauk, Chengalpet 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 77606.41 Sq.m & the total built-up area after expansion is 129776.85 Sq.m.

Sl. No.	Details of the proposal	Data Furnished

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

1.	Name of the Project	Proposed Expansion and Amendment of Construction of IT Park Building by M/s. Capgemini Technology Services India Limited
2.	Location	S.No.117, Plot No. H-6 (B45 & B46), SIPCOT IT Park, Siruseri Village, Vandalur Tlauk, Chengalpet District, Tamilnadu
3.	Type of the Project	Building and Construction Projects Schedule 8 (a), Category "B2"
4.	Latitude and Longitude	Latitude: 12°49'17.74"N Longitude: 80°13'24.00"E
5.	Total area in sqm	77606.41Sq.m
6.	Built up Area	129776.85 Sq.m
7.	Cost of the Project	Rs.443 Crores
8.	Brief Description of the Project	The Proposal Involves Expansion and Amendment of Construction of IT Park Building which consist of Tower 1: 2 Basements + 2 Floors (Ground Floor and First Floor) of Amenities and 14 office floors and 5 pods which consists of Customer Experience Center Pod: G+1, Wellness Centre Pod: G+1, Food & Beverages Pod: G +1, Employee Experience Centre: Ground Floor, All Hands Collaborative Pod: Ground Floor.
9.	Water Requirement (KLD)	**Total Water Requirement – 462 KLD** 3. Fresh water requirement – 219 KLD iii. Domestic water requirement – 219 KLD 4. Treated water requirement – 243 KLD iii. Flushing purposes - 180 KLD iv. Green belt development – 63 KLD
10.	Quantity if Sewage KLD	Sewage Generation - 367 KLD

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

<table>
<tr><td>11.</td><td>Details of Sewage Treatment Plant</td><td>STP of 430 KLD (Proposed STP – 280 KLD and Existing STP – 150 KLD)
Proposed STP – 280 KLD components

<table><tr><th>S.No</th><th>Description</th></tr><tr><td>1</td><td>Bar Screen Chamber and Oil and Greas Trap</td></tr><tr><td>2</td><td>Equalization tank</td></tr><tr><td>3</td><td>Zeeweed MBR Unit includes SS Anoxic Tank, SS Aeration Tank, SS Membrane Tank, etc.,</td></tr><tr><td>4</td><td>Sludge Holding Tank</td></tr><tr><td>5</td><td>STP Treated Water Tank - 1</td></tr><tr><td>6</td><td>STP Treated Water Tank - 2</td></tr><tr><td>7</td><td>Pump Room Drain (at flushing & Landscaping pump room area)</td></tr><tr><td>8</td><td>Pump Room Drain (Near MBR Units)</td></tr></table></td></tr>
<tr><td>12.</td><td>Mode of disposal of treated sewage with quantity</td><td>Total Treated Waste water – 349 KLD
4. Toilet flushing- 180 KLD
5. Green Belt Development- 63 KLD
6. OSR – 106 KLD</td></tr>
</table>

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

<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><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 waste generated)</td><td>178.5</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% of waste generated)</td><td>267.8</td><td>Sent to authorized recyclers or local bodies for recycling</td></tr>
<tr><td>3</td><td>STP sludge</td><td>26</td><td>will be mixed with compost from Organic Waste Converter and will be used as manure for greenbelt development</td></tr>
</table>
</td></tr>
<tr><td>14.</td><td>Power Requirement</td><td>5000 KVA from TANGEDCO</td></tr>
<tr><td>15.</td><td>Details of DG set with capacity</td><td>3 No. of 2000 KVA
(Existing DG – 2 No. of 1500 KVA and 1 No. of 1010 KVA)
➢ Acoustic enclosures proposed for DG sets to comply with the noise level standards prescribed by CPCB.
➢ Stack Height for all the DG is proposed as per CPCB specifications.
➢ 32m – 2000 KVA (Proposed)
➢ 31m – 1500 KA (Existing)
➢ 29m – 1010 KVA (Existing)</td></tr>
<tr><td>16.</td><td>Details of Green Belt Area</td><td>13685.28 Sq.m</td></tr>
<tr><td>17.</td><td>Details of Parking Area</td><td>
<table>
<tr><th></th><th>Car</th><th>Two-wheeler</th></tr>
</table>
</td></tr>
</table>

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

		Lower Basement		
		Normal parking	368	1131
		Disabled Parking	-	
		Upper Basement		
		Normal parking	371	589
		Disabled Parking	26	
		Surface		
		Normal parking	32	-
		Disabled Parking	60	
		Total Nos	857	1720
		Overall (Including Existing & proposed)	**1174**	**1720**
18.	Provision for Rain water Harvesting	Total Annual Rainfall – 23841 Cu.m Considering 50 rainy days per annum, Total Rainwater runoff/day - 477cu.m 200 cum Rainwater Storage tank Recharge pit: 47 Nos with Dia 1.2 m, depth 5.2m Rainwater pond capacity of 750 cu.m is proposed, which consists of 14.50 m x 7.50 m x 10 m (10 m depth – 7 m liquid depth + 3 m invert level)		
19.	EMP Cost (Rs.)	**Construction Phase:** Capital Cost- Rs.13.25 Lakhs Recurring Cost- Rs.4.5 Lakhs **Operation Phase:** Capital Cost- Rs.96.89 Lakhs Recurring Cost- Rs.28.44 Lakhs		

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

20.	CER activities with the specific allocation of funds	Rs. 3 Crores

The proposal is placed in this 358th SEAC Meeting held on 24.02.2023. 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 proponent shall provide solar panels covering 75% of terrace area.
3. 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.
4. PP shall ensure that minimum 50% of DG sets which are proposed to be set up 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

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

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.

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

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC-TN

approved one.

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 cost is Rs. 300 Lakhs and the amount shall be spent as committed, before obtaining CTO from TNPCB.

Agenda No. 358-13
(File No. 9786/2023)
Existing Standalone Steel Rolling Mill at S.F.No.10/1, Punjaiuthukuli Village, Uthukkuli Taluk, Tirupur District, Tamilnadu by M/s. Emkay Alloys Private Limited, Unit -II – for Terms of Reference (SIA/TN/IND1/415990/2023 dated.28.01.2023)

The proposal was placed in the 358th SEAC Meeting held on 24.02.2023. 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. Emkay Alloys Private Limited, Unit -II** has applied for Terms of Reference for the Existing Standalone Steel Rolling Mill at S.F.No.10/14, Punjaiuthukuli Village, Uthukkuli Taluk, Tirupur District, Tamilnadu.
2. The project/activity is covered under Category "B1" of Item 3(a) "Metallurgical

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

industries (ferrous & non-ferrous)" of the Schedule to the EIA Notification,2006. Based on the presentation made by the proponent and the documents furnished, the **SEAC decided to prescribe TOR for the preparation of Detailed EIA report.** The Detailed EIA shall include standard ToR along with the following additionalToR:

1. The proponent shall furnish the production detail submitted to the Commercial Tax department for the last 5 years.
2. The project proponent shall furnish details on the health card provided to the workers.
3. The proponent shall furnish videos showing the entire premises including entire process.
4. The proponent shall also submit the videos and photographs of the operational details with particular reference to points of pollution in the existing plant.
5. The proponent shall furnish details on the idling period provided.
6. The proponent shall furnish details on measures adopted for better and efficient operation of melting & charging.
7. The proponent shall furnish details on the control measures adopted during heat finishing and tapping.
8. The proponent shall submit the copy of the consent to operate and the latest renewal consent order issued by the TNPCB.
9. The proponent shall submit the compliance report from TNPCB for the conditions imposed in the consent order issued by the TNPCB.
10. The Environmental pollution control measures taken to deal with Air pollution, effluent generation and slag generation should be detailed.
11. The project proponent has to strengthen the air pollution control measures of the existing system and furnish an adequacy report on the revamped system from a reputed institution like Anna University or IIT, Madras along with the EIA report. The revamping of the existing air pollution control measures should include the interlinking of the position of the hood system and furnace to ensure that the emission from the furnace shall be treated and routed through wet scrubber and stack.
12. The proponent shall obtain prior permission from the Central Ground Water

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

Authority for withdrawal of groundwater, if applicable.

13. Material balance and Water balance shall be furnished in accordance with MoEF&CC guidelines.
14. A detailed report on Solid waste management, Hazardous waste shall be furnished.
15. Report on AAQ survey and proposed Air pollution prevention and control measures shall be furnished in the EIA report.
16. The project proponent shall do the Stoichiometric analysis of all the involved reactions to assess the possible emission of air pollutants in addition to the criteria pollutants, from the proposed project.
17. Adequacy report for ETP & STP for the proposed project obtained from any reputed Government institution such as IIT, Anna University, NIT shall be furnished.
18. Land use classification shall be obtained from the DTCP for the Survey Numbers of this project. Further, the project proponent shall submit the planning permission obtained from the DTCP, if any.
19. The proponent shall conduct the EIA study and submit the EIA report for the entire premises along with layout and necessary documents such as "A" register and village map.
20. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non- forest purpose involved in the project.
21. The project proponent shall explore the possibilities of treating and utilizing the trade effluent and sewage within the premises to achieve Zero liquid discharge.
22. 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 be not less than 15 % of the total land area of the project.
23. As the plant operation involves the sensitive processing, the medical officer

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

and the supporting staff involved in the health centre activities shall be trained in occupational health surveillance (OHS) aspects through the outsourced training from the experts available in the field of OHS for ensuring the health standard of persons employed.

24. The proposal for Roof Top solar panel shall be included in the EIA Report.

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 furnish the detailed EMP.

Agenda No: 358-14
(File No: 9787/2023)
proposed expansion of IT & ITES building at SF.No.SF. No. 60 / 2B,Kalapatti (West) Village, Coimbatore North Taluk, Coimbatore District, Tamil Nadu by M/s Velmuruga Enterprises Private Limited - For Environmental Clearance Expansion. (SIA/TN/INFRA2/415256/2023 Dated: 20.01.2023).

The proposal was placed in this 358th SEAC Meeting held on 24.02.2023. 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. Velmuruga Enterprises Private Limited has applied for Environmental Clearance Expansion for proposed expansion of IT & ITES building at SF. No. 60 / 2B, Kalapatti (West) Village, Coimbatore North Taluk, Coimbatore 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.

S. No	Description	Details
1.	Name of the Project	Proposed expansion of IT & ITES building by M/s. Velmuruga Enterprises Private Limited
2.	Location	SF. No. 60 / 2B, Kalapatti (West) Village, Coimbatore North Taluk, Coimbatore District

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

S. No	Description	Details
3.	Type of Project	8(a) "Building and Construction Projects"
4.	Latitude & Longitude	11° 05' 36.46" N, 77° 01' 56.83" E
5.	Total Plot/land Area (in sq. m)	27,873Sq.m
6.	Built up area	67,194.33 Sq.m
7.	Cost of Project	Rs. 75 Crores

8. Total Built up area

Description	Total Built-up Area,Sq.m
Existing Approved Block	23,551.00
Additional Proposed Blocks	43,643.33
Total	**67,194.33**

9. Land Break-up

Description	Existing Area in Sq. m	After Expansion Area in Sq. m
Total Land Area	**27,873**	**27,873**
Total Ground Coverage Area of Buildings	2,287	7222.2
Roads and Pavements Area	4678	7546.8
Surface Parking Area	2750	5107
STP, Solid Waste Disposal and Other Utilities Area	694	976
Greenbelt Area (excluding OSR)	4185	4185
OSR Area	2836	2836
Area for future development	10433	0

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

S. No.	Description	Details
10.	**Sewage Treatment Plant**	**Existing STP Capacity – 1 No. of 80 KLD (SBR Technology & UF System)** Bar Screen Chamber Buffer Tank Collection Tank Aeration Tank Decant Tank Pressure Sand Filter Activated Carbon Filter UV Disinfection Centrifuge System Filter Treated Water Tank Sludge Holding Tank Ultra-Filtration System UF Treated Water Tank
	Grey Water Treatment Plant	**Existing GWTP Capacity – 1 No. of 60 KLD** Bar Screen Chamber Collection Tank Bag Filter Filter Feed Tank Slow Sand Filter Bed Dual Media Filter Pressure Sand Filter Activated Carbon Filter UV System

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

	Sewage Treatment Plant	Filter Treated Water Tank UF Treated Water Tank **Proposed STP Capacity – 135 KLD (SBR Technology & UF System)** Bar Screen Chamber Buffer Tank Collection Tank Aeration Tank Decant Tank Pressure Sand Filter Activated Carbon Filter UV Disinfection System Sludge Holding Tank Centrifuge System Filter Treated Water Tank Ultra-Filtration System UF Treated Water Tank
10.	a) Water requirement KLD	**Total water requirement: 351 KLD** i. Fresh water requirement: 129 KLD Source from where the fresh water is proposed to be drawn (TWAD BOARD) ii. Treated water from treatment plant STP: 390 KLD iii. Toilet Flushing (Recycled Water): 124 KLD iv. Greenbelt Development (Recycled Water): 15 KLD v. HVAC Use : 83 KLD

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

<table>
<tr><td>11.</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</th><th>Mode of Treatment/disposal</th></tr>
<tr><td>1.</td><td>Biodegradable waste</td><td>271 kg/day</td><td>Utilized for Biogas generation</td></tr>
<tr><td>2.</td><td>Non biodegradable waste</td><td>343 kg/day</td><td>Sent to authorized recyclers.</td></tr>
<tr><td>3.</td><td>STP sludge</td><td>50 kg/day</td><td>Dried and Used as manure for greenbelt development</td></tr>
<tr><td>4.</td><td>E Waste</td><td>0.3 tons/annum</td><td>Handed over to authorized Recyclers/collection Centers</td></tr>
</table>
</td></tr>
<tr><td>12.</td><td>Power requirement</td><td>3426 kVA from TANGEDCO</td></tr>
<tr><td>13.</td><td>Details of D.G. set with Capacity</td><td>Existing - 1010 kVA DG set - 2 Nos.
Proposed Additional -1010 kVA – 3 Nos,
725 kVA – 1 No.</td></tr>
<tr><td>14.</td><td>Details of Green Belt Area</td><td>4,185.00 Sqm</td></tr>
<tr><td>15.</td><td>Details of Parking Area</td><td>Four Wheelers – 806 Nos.
Two Wheelers – 775 Nos.
Parking Area – 7,755.00 Sqm</td></tr>
<tr><td>16.</td><td>Provision for rain water harvesting</td><td>Existing Rain Water Storage Sump – 120 KL – 1 No.
Proposed Rain Water Storage Sump – 120 KL – 1 No.
Rain Water Recharge Pits – 25 Nos.</td></tr>
</table>

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

17.	EMP Cost (Rs.)	**Description**	**Budgetary Allocation (Rs. in Lakhs)**	
			Capital Cost	**Operation Cost**
		Construction Phase & Operation Phase	Rs.616 Lakhs	Rs.78.85 Lakhs/Annum
18.	CER activities with the specific allocation of funds	Rs. 75 Lakhs		

Based on the presentation and document furnished by the proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance Expansion,** 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 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 years within 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.
7. The height of the stacks of DG sets shall be provided as per the CPCB norms.

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

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 135 KLD and Grey water treatment plant of capacity 60 KLD the total treated water of 222 kLD shall be utilized for flushing and green belt, OSR an HVAC 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.

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

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC-TN

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 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.

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 officer in the project site for continuous monitoring the health of construction

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

workers during COVID and Post - COVID period.

24. 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.

25. 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.

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 adhere the EMP as committed.

28. As accepted by the Project Proponent the CER cost is Rs.75 Lakhs and the amount shall be spent for (i) Re-construction of ICDS centre at HUDCO colony (ii) Re-construction of old corporation Elementary school at Valiyampalayam (iii) Construction of ICDS centre at Kalapatti.

Agenda No. 358 - 15
(File No. 9790/2022)
Proposed Expansion of Steel Rolling Mill & inclusion of Steel Melting Shop in the existing Steel Rolling Mill at S.F.No: 629 Part, 631 Part, 630/2 Part, 630/3 Part & 630/4, 632/4 Part, 634 Part, Old Gummidipoondi Village, Gummidipoondi Taluk, Tiruvallur District, Tamil Nadu– M/s. Viki Industries Private Limited – for Terms of Reference (SIA/TN/IND/416741/2023 Dt: 02.02.2023)

The proposal was placed in the 358thSEAC Meeting held on 24.02.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent M/s. Viki Industries Private Limited has Proposed Expansion of Steel Rolling Mill & inclusion of Steel Melting Shop in the existing Steel Rolling

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

Mill at S.F.No: 629 Part, 631 Part, 630/2 Part, 630/3 Part & 630/4, 632/4 Part, 634 Part, Old Gummidipoondi Village, Gummidipoondi Taluk, Tiruvallur District, Tamil Nadu.

2. The project/activity is covered under Category "B1" of Item 3(a) "Metallurgical industries (ferrous & non-ferrous)" of the Schedule to the EIA Notification,2006.

Based on the presentation made by the proponent and the documents furnished, the **SEAC decided to prescribe TOR for the preparation of Detailed EIA report along with Public Hearing.** The Detailed EIA shall include standard ToR along with the following additionalToR:

1. The PP shall study in detail about various operational measures to reduce the specific energy consumption in induction furnaces.
2. Since the Periods of idling are inherent because of the following activities, the PP shall study in detail and the same shall be included in the EIA report.
    i. Charging
    ii. Slagging
    iii. Sampling
    iv. Charge material
    v. Molten Heel Practice
    vi. Furnace Cover Losses
3. The PP shall study in detail about Charging and operation of Melting for better and efficient operation of induction furnaces.
4. The proponent shall study in detail about various measures could be adopted during finishing and tapping of a heat.
5. The proponent shall study in detail about operational control measures to Minimize and control the refractory wall wearing.
6. The proponent shall explore the possibilities to Change from mains frequency to medium frequency furnaces.
7. The PP shall obtain NBWL clearance for Pulicat Bird Sanctuary, vide, MoEF&CC Office Memorandum no. FC-11/119/2020-FC dated 17th May, 2022.
8. The proponent shall explore the possibilities of utilizing state of the art technology with best global practice.
9. The proponent shall explore the possibilities of utilizing the industrial

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

wastewater instead of fresh water.

10. The proponent shall elaborate on the state-of-the-art technology for induction furnace to control emissions (Fumes).
11. The proponent shall submit the Certified Compliance Report for existing plant.
12. The proponent must increase the solar and Wind Energy and must explore the possibilities of achieving Net Zero energy consumption.
13. The proponent shall submit the video and photograph of the operational details with particular reference to points of pollution in the existing plant.
14. Material balance and Water balance shall be furnished in accordance with MoEF&CC guidelines.
15. A detailed report on Solid waste management, hazardous waste shall be furnished.
16. Report on AAQ survey and proposed air pollution prevention and control measures shall be furnished in the EIA report.
17. The project proponent shall do the stoichiometric analysis of all the involved reactions to assess the possible emission of air pollutants in addition to the criteria pollutants, from the proposed project.
18. Adequacy report for ETP &STP for the proposed project obtained from any reputed Government institution such as IIT, Anna University, NIT shall be furnished.
19. Land use classification shall be obtained from the DTCP for the Survey Numbers of this project. Further, the project proponent shall submit the planning permission obtained from the DTCP, if any.
20. The proponent shall conduct the EIA study and submit the EIA report for the entire campus along with layout and necessary documents such as "A" register and village map.
21. Public Hearing points raised and commitments of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project and to be submitted to SEIAA/SEAC with regard to the Office Memorandum of MoEF& CC accordingly.
22. The Public hearing advertisement shall be published in one major National daily

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

and one most circulated Tamil daily.

23. The PP shall produce/display the EIA report, executive summery and other related information with respect to public hearing in Tamil.

24. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.

25. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.

26. The project proponent shall explore the possibilities of treating and utilizing the trade effluent and sewage within the premises to achieve Zero liquid discharge.

27. 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 be not less than 15 % of the total land area of the project.

28. As the plant operation involves the sensitive processing, the medical officer and the supporting staff involved in the health centre activities shall be trained in occupational health surveillance (OHS) aspects through the outsourced training from the experts available in the field of OHS for ensuring the health standard of persons employed.

29. The proposal for Roof Top solar panel shall be included in the EIA Report.

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 furnish the detailed EMP.

Agenda No. 358 - 16.

File No. 9796/2023

Existing Residential Building S.No. 02/2A,60/1, 34/2,3,4,5A,115/1A,1B,2A,4,5 of Padur Village, Thiruporur Taluk, Chengalpattu District by M/s. Janani Blue Bells Apartment - For Terms of Reference (under Violation Category) .

(SIA/TN/INFRA2/416261/2023, dt: 31/01/2023).

The proposal was placed in the 358th SEAC Meeting held on 24.02.2023. The details of the minutes are available in the website (parivesh.nic. in).

The SEAC noted the following:

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC-TN

1. The Proponent, M/s. Janani Blue Bells Apartment has applied for **Terms of Reference (under Violation)** for the Existing Residential Building S.No. 02/2A,60/1, 34/2,3,4,5A,115/1A,1B,2A,4,5 of Padur Village, Thiruporur Taluk, Chengalpattu District.
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 land area available is 14789 Sqm. The total built-up area of the proposal is 25968.969 Sqm. {(G+4 – 7 Blocks, Club house (G+3), & Commercial (G+1)}.
4. Show cause Notice under Section 19(a) of EPA Act, 1986 vide Proc.No. DEE/TNPCB/MMN/EC/F.No.NA/2022/ Dt:26.12.2022.

During the meeting the SEAC noted that, the project was completed and occupied without obtaining prior Environmental Clearance and for the said reasons the DEE/TNPCB has issued show cause notice under Section 19(a) of EPA Act, 1986 vide reference 3rd cited. In this connection, based on the presentation and the documents furnished, the SEAC has decided to **recommend grant of sector specific standard Terms of Reference (ToR - under violation category) for preparation of EIA** in 3 parts for the project, for assessment of Ecological damage, remediation plan and natural & community resource augmentation plan to be prepared as an independent chapter in the Environment Impact Assessment report by the Accredited consultant and also with collection and analysis of data for the assessment of ecological damage, preparation of remediation plan and natural & community resource augmentation plan to be done by an Environmental laboratory duly notified under the Environment (Protection) Act, 1986, accredited by NABET or a laboratory of council of Scientific and Industrial research Institutions working in the field of Environment in addition to the following ToRs subject to the outcome of the court case filed before the Hon'ble High Court of Madras (Madurai Bench) vide *W.P.(MD) No. 11757 of 2021 titled Fatima Vs Union of India challenging the SoP for violation proposals dated 07th July 2021*

1. The proponent shall furnish the detailed sewage treatment technology available and also furnish the design details of the STP treatment system.

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

2. The proponent shall furnish the proposal for the design of the proposed development to meet green building norms and shall obtain a minimum of IGBC Gold ranking.
3. The proposal to 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.
4. The treated/untreated sewage water shall not be let-out from the unit premises accordingly revised water balance shall be incorporated.
5. 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.
6. Commitment letter from competent authority for supply of water shall be furnished.
7. Copy of the village map, FMB sketch and "A" register shall be furnished.
8. Detailed Evacuation plan during emergency/natural disaster/untoward accidents shall be submitted.
9. The space allotment for solid waste disposal and sewage treatment & grey water treatment plant shall be furnished.
10. Details of the Solid waste management plan shall be pre pared as per solid waste management Rules, 2016 and shall be furnished.
11. Details of the E-waste management plan shall be prepared as per E-waste Management Rules, 2016 and shall be furnished.
12. Details of the Rain water harvesting system with cost estimation should be furnished.
13. 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

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

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.

14. 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.
15. 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.
16. 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.
17. 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.
18. The project proponent shall furnish detailed baseline monitoring data with prediction parameters for modelling for the ground water, emission, noise and traffic.
19. The proposal for utilization of at least 25% of Solar Energy shall be included in the EIA/EMP report.
20. 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 in the CER and furnish the same.

Agenda No. 358 - 17.
File No.9803/2023
Proposed construction of Training Center and Hostel Building Complex at S.F. Nos. 1560/3, 1562AA5 & 1560/1 of Sriperumbudur 'C' Village, Sriperumbudur Taluk,

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

Kanchipuram District by M/s. SPR City Estates Private Limited – For Environmental Clearance. (SIA/TN/INFRA2/416092/2023, dt: 28.01.2023).

The proposal was placed in the 358th SEAC Meeting held on 24.02.2023. The details of the minutes are available in the website (parivesh.nic. in).

The SEAC noted the following:

1. The Proponent, M/s. SPR City Estates Private Limited has applied for Environmental Clearance for the proposed construction of Training Center and Hostel Building Complex at S.F. Nos. 1560/3, **1562A/1A5** & 1560/1 of Sriperumbudur 'C' Village, Sriperumbudur Taluk, Kanchipuram 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 land area available is 32,570 Sqm. The total built-up area of the proposal is 74,061 Sqm. (5 Nos. Hostel Building Blocks - Block 1 (Ground + 4 Floors), Block 2 (Ground + 4 Floors), Block 3 (Ground + 4 Floors), Block 4 (Ground + 4 Floors), Block 5 (Ground + 4 Floors) and a Training Center cum Kitchen: Block 6 (Ground + 1 Floor) & Utilities).

S. No	Description	Details
21.	Name of the Project	Proposed Training Centre and Hostel Building Complex by M/s. SPR City Estates Private Limited
22.	Location	S.F. Nos. 1560/3, **1562A/1A5** & 1560/1 of Sriperumbudur 'C' Village, Sriperumbudur Taluk, Kanchipuram District.
23.	Type of Project	Schedule 8 (a), Category "B2" - Building and Construction Projects
24.	Latitude & Longitude	Latitude Longitude 12°57'3.62"N 79°56'11.29"E 12°57'0.44"N 79°56'14.61"E 12° 56'58.66"N 79°56'18.13"E

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

		12° 56'55.49"N 79°56'15.19"E
25.	Total Area (in sq. m)	

S.No	Details	Area (Sqm)	Percentage (%)
1.	Total Land Area	32570	100
2.	Ground coverage	13,727	42
3.	Roads and Pavements	7117	22
4.	Surface Parking Ares	189	1
5.	Utilities area (STP, DG Sets, Transformer Yard, Substation, OWC Room)	977	3
6.	Green belt Area	7156	22
7.	OSR Area	3404	10

26.	Built up area	Proposed total built-up area – 74,061 Sq.m
27.	Cost of Project	Rs. 98.60 Crores

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

<table>
<tr><td>28.</td><td>Brief description of the project</td><td>Built up Area Statement breakup:
<table>
<tr><th>S.No</th><th>Block</th><th>No. of Floors</th><th>Built-up Area (Sq.m)</th></tr>
<tr><td>1.</td><td>Block 1</td><td>G+4 Floors</td><td>13,182</td></tr>
<tr><td>2.</td><td>Block 2</td><td>G+4 Floors</td><td>13,182</td></tr>
<tr><td>3.</td><td>Block 3</td><td>G+4 Floors</td><td>13,182</td></tr>
<tr><td>4.</td><td>Block 4</td><td>G+4 Floors</td><td>13,182</td></tr>
<tr><td>5.</td><td>Block 5</td><td>G+4 Floors</td><td>13,182</td></tr>
<tr><td>6.</td><td>Block 6 – (Training Centre cum Kitchen)</td><td>G+1 Floors</td><td>4,320</td></tr>
<tr><td>7.</td><td>Utilities (STP, Bio Gas Plant, Transformer Yard, DG Sets)</td><td>-</td><td>3,831</td></tr>
<tr><td colspan="3">Total Built-up Area (Sq.m)</td><td>74,061 Sq.m</td></tr>
</table></td></tr>
<tr><td>29.</td><td>a) Water requirement KLD</td><td>During Operation
Total Water Requirement – 1,701 kLD.
Total freshwater requirement – 1,178 kLD.
Total Recycled treated Sewage – 523 kLD.
Excess treated Sewage discharge through UG Sewerline – 1069 kLD</td></tr>
<tr><td></td><td>b) Source</td><td>Sriperumbudur local Body & Private Tanker</td></tr>
<tr><td>30.</td><td>Quantity of Sewage KLD</td><td>Sewage Generation – 1676 kLD</td></tr>
</table>

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

<table>
<tr><td>31.</td><td>Details of Sewage Treatment Plant</td><td>Sewage Treatment Plant – 2300 KLD capacity (UASB Technology)
STP 1 – 1300 kLD – 1 No.
STP 2 – 1000 kLD – 1 No.
<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>Equalization Tank</td></tr><tr><td>4.</td><td>UASB Reactor</td></tr><tr><td>5.</td><td>Settling Tank</td></tr><tr><td>6.</td><td>Bio - Tower</td></tr><tr><td>7.</td><td>Filter Feed Tank</td></tr><tr><td>8.</td><td>Sludge Holding Tank</td></tr><tr><td>9.</td><td>Pressure Sand Filter</td></tr><tr><td>10.</td><td>Activated Carbon Filter</td></tr><tr><td>11.</td><td>Chlorine Dosing Tank</td></tr><tr><td>12.</td><td>Treated Water Tank</td></tr></table></td></tr>
<tr><td>32.</td><td>Mode of Disposal of treated sewage with quantity</td><td>Total treated Sewage – 1592 KLD
Treated Sewage for Flushing purposes - 498 kLD
Treated Sewage for Green Belt Development - 25 kLD
Excess treated Sewage discharge through UG Sewerline – 1069 kLD</td></tr>
<tr><td>33.</td><td></td><td></td></tr>
</table>

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

	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)	2.11	Will be treated in Biogas plant and gas will be used for generating power and for use in the kitchen for cooking.
		Non-Biodegradable (@60% of waste generated)	1.4	To be handed over to authorized recyclers /vendors for recycling.
		STP Sludge	0.16	Dewatered and processed along with biodegradable waste in the Biogas plant.
		Hazardous Waste:		
		Description	Mode of Disposal	
		Used/Spent oil From DG sets	Disposed through TNPCB Authorized Recycler	
34.	Power requirement	2000 kVA (source of Power – Supply from TANGEDCO Grid)		
35.	Details of D.G. set with Capacity	4Nos. of 500 kVA DG sets with in-built acoustic enclosures followed by Stack of Height as per CPCB Norms.		

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

36.	Details of Green Belt Area	7156 q.m		
37.	Details of Parking Area	**Details**	**No of two-wheeler parking**	**Area allotted for parking in (Sqm)**
		Surface Parking	140	378
38.	Provision for rain water harvesting	RWH Pond - 510 Cu.m. No. of RWH recharge pits - 15 nos.		
39.	EMP Cost (Rs.)	Construction Phase including capital cost & O&M Cost): Rs.100 Lakhs Operation Phase: Capital Cost & Operation & Maintenance Cost -Rs. 424 Lakhs.		
40.	CER activities with the specific allocation of funds	Rs.100 Lakhs for Govt. Higher Secondary School, Pondur (Rs. 45 Lakhs) & Govt. School Araneri, (Rs. 25 Lakhs) & Govt. Girls School, Sriperumbudur (Rs. 35 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 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.

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC-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 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.
5. 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.
6. The PP shall analyse the treated wastewater samples periodically through TNPCB.
7. The treated/untreated sewage water shall not be let-out from the unit premises.
8. 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.
9. The height of the stacks of DG sets shall be provided as per the CPCB norms.
10. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc. To TNPCB before obtaining CTO.
11. 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.
12. 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.
13. The proponent shall provide the separate wall between the STP and OSR area as per the layout furnished and 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

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

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.
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 off 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 as committed for during SEAC meeting.
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

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC - TN

CO) due to traffic again before getting consent to operate from TNPCB and submit a copy of the same to SEIAA.

24. **The PP shall install Solar panel covering 50% of roof top area (62,731 Sq.ft - 523 kW) (1kw per 120 Sq.ft) 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.**

25. 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.

26. 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.

27. 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 CER cost is **Rs.100 Lakhs for the committed activities to the Govt. Higher Secondary School, Pondur (Rs. 45 Lakhs) & Govt. School Araneri, (Rs. 25 Lakhs) & Govt. Girls School, Sriperumbudur (Rs. 35Lakhs) before obtaining CTO from TNPCB.**

Agenda No: 358 - 18
(File No: 9804/2023)
Proposed Construction of Non HighRise Building (Affordable Housing) comprising of 3 Blocks consists of 172 dwelling units, Playroom, SPA, Library & Gym at S.F Nos: 410/1 Part, Perumbakkam Panchayat, St. Thomas Mount Panchayat Union, Tambaram Taluk, Chengalpattu District, Tamil Nadu by M/s. Kamiesh Builders - For Environmental Clearance. (SIA/TN/INFRA2/416420/2023 Dt: 31.01.2023).

The proposal was placed in this 358thSEAC Meeting held on 24.02.2023. The project proponent gave a detailed presentation. 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/activity is covered under Category "B2" of Item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006.

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

<table>
<tr><th>S. No.</th><th>Description</th><th>Details</th></tr>
<tr><td>19.</td><td>Name of the Project</td><td>Proposed Construction of Non High Rise Building (Affordable Housing) comprising of 3 Blocks consists of 172 dwelling units, Playroom, SPA, Library & Gym by M/s. Kamlesh Builders.</td></tr>
<tr><td>20.</td><td>Location</td><td>S.F Nos: 410/1 Part, Perumbakkam Panchayat, St. Thomas Mount Panchayat Union, Tambaram Taluk, Chengalpattu District, Tamil Nadu.</td></tr>
<tr><td>21.</td><td>Type of Project</td><td>Building and Construction Projects
Schedule 8 (a), Category "B2"</td></tr>
<tr><td>22.</td><td>Latitude & Longitude</td><td>
<table>
<tr><th>S.No</th><th>Latitude</th><th>Longitude</th></tr>
<tr><td>1</td><td>12°53'13.86"N</td><td>80°12'4.92"E</td></tr>
<tr><td>2</td><td>12°53'11.87"N</td><td>80°12'4.58"E</td></tr>
<tr><td>3</td><td>12°53'13.06"N</td><td>80°12'0.34"E</td></tr>
<tr><td>4</td><td>12°53'14.79"N</td><td>80°12'0.50"E</td></tr>
<tr><td>5</td><td>12°53'14.34"N</td><td>80°12'2.24"E</td></tr>
<tr><td>6</td><td>12°53'14.57"N</td><td>80°12'2.29"E</td></tr>
</table>
</td></tr>
<tr><td>23.</td><td>Total Plot/land Area (in sq. m)</td><td>Total Plot Area – 7885.75 Sqm
<table>
<tr><th>Si.No</th><th>Particular</th><th>Area (Sq.m)</th><th>%</th></tr>
<tr><td>1</td><td>Ground Coverage</td><td>3952.88</td><td>50.13</td></tr>
<tr><td>2</td><td>Greenbelt area</td><td>1208.55</td><td>15.00</td></tr>
<tr><td>3</td><td>OSR</td><td>792.75</td><td>10.05</td></tr>
<tr><td>4</td><td>Road & Paved area</td><td>1931.57</td><td>24.82</td></tr>
<tr><td colspan="2">Total</td><td>7885.75</td><td>100</td></tr>
</table>
</td></tr>
<tr><td>24.</td><td>Cost of Project</td><td>Rs.6440.44 Lahks</td></tr>
</table>

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC - TN

<table>
<tr><td>25.</td><td>Total Built up area</td><td>
The total built up area –20877.24 Sq.m
<table>
<tr><th>Floors</th><th>Block-I (Sq.m)</th><th>Block-II (Sq.m)</th><th>Block-III (Sq.m)</th></tr>
<tr><td>Stilt</td><td>128.35</td><td>105.91</td><td>105.91</td></tr>
<tr><td>1st Floor</td><td>1164.73</td><td>1179.43</td><td>1179.43</td></tr>
<tr><td>2nd Floor</td><td>985.44</td><td>1197.01</td><td>1197.01</td></tr>
<tr><td>3rd Floor</td><td>1128.73</td><td>1181.82</td><td>1181.82</td></tr>
<tr><td>4th Floor</td><td>1130.94</td><td>1111.94</td><td>1111.94</td></tr>
<tr><td>5th Floor</td><td>1127.07</td><td>1103.01</td><td>1103.02</td></tr>
<tr><td>Parking</td><td>1112.45</td><td>1170.64</td><td>1170.64</td></tr>
<tr><td>Total</td><td>6777.71</td><td>7049.76</td><td>7049.77</td></tr>
<tr><td>Grand Total</td><td colspan="3">20877.24</td></tr>
</table>
No. of dwelling units:172 Nos
<table>
<tr><th>Floors</th><th>Block-I (Nos)</th><th>Block-II (Nos)</th><th>Block-III (Nos)</th></tr>
<tr><td>2 BHK</td><td>25</td><td>28</td><td>28</td></tr>
<tr><td>2.5 BHK</td><td>27</td><td>32</td><td>32</td></tr>
<tr><td>Total</td><td>52</td><td>60</td><td>60</td></tr>
<tr><td>Grand Total</td><td colspan="3">172</td></tr>
</table>
</td></tr>
<tr><td>26.</td><td>Total STP Capacity</td><td>120 KLD (MBR Technology)</td></tr>
<tr><td>27.</td><td>a) Water requirement KLD</td><td>Construction Phase :50KLD
Operation Phase:77.6KLD</td></tr>
<tr><td>28.</td><td>Quantity of Sewage KLD</td><td>Sewage Generation – 105 KLD</td></tr>
<tr><td>29.</td><td></td><td></td></tr>
</table>

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

<table>
<tr>
<td></td>
<td>Quantity of Solid Waste generated per day , Mode of treatment and Disposal of Solid Waste</td>
<td>
Construction Phase : 100Nos.
<table>
<tr><th>Description</th><th>Quantity</th><th>Mode of Disposal</th></tr>
<tr><td>Municipal Solid waste</td><td>45 Kg/day</td><td>Dispose by local contactor</td></tr>
<tr><td>Construction Waste</td><td>50m³*</td><td>Will be disposed through local vendors</td></tr>
</table>
Operation Phase:
Estimated Peak population is 900 Nos (Occupancy – 860& Visitor -40)
<table>
<tr><th>Waste</th><th>Population: 900Nos (Kg/day)</th><th>Collection Method</th><th>Treatment /Disposal method</th></tr>
<tr><td>Inorganic</td><td>210.4</td><td>Bins</td><td>Disposed to authorized vendors</td></tr>
<tr><td>STP Sludge</td><td>12</td><td>Bins</td><td>Used as a Manure for Greenbelt development</td></tr>
<tr><td>Organic</td><td>315.60</td><td>Bins</td><td>Converted into manure by OWC and it will be used for Greenbelt development</td></tr>
</table>
</td>
</tr>
<tr>
<td>30.</td>
<td>Power requirement</td>
<td>900KVA (Source of power – TANGEDCO)
Fuel (HSD) 50 litre/day</td>
</tr>
</table>

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

<table>
<tr><td>31.</td><td>Details of D.G. set with Capacity</td><td>1 Nos. x 62 kVA (DG Sets for power backup in case of power failure (internal street lighting & STP only)</td></tr>
<tr><td>32.</td><td>Details of Green Belt Area</td><td>1208.55sq.m(15.00%)</td></tr>
<tr><td>33.</td><td>Details of Parking Area</td><td>Parking Details
<table><tr><th>Vehicles</th><th>Required</th><th>Proposed</th></tr><tr><td>Car Parking Nos)</td><td>91</td><td>102</td></tr><tr><td>Two Wheeler (Nos)</td><td>81</td><td>231</td></tr></table></td></tr>
<tr><td>34.</td><td>Provision for rain water harvesting</td><td>Total Rainwater Runoff – 528.41cum/hour</td></tr>
<tr><td>35.</td><td>EMP Cost (Rs.)</td><td>Construction Phase- Rs. 2.42.400/-
Operation Phase:
Capital cost- Rs. 247.17 lakhs
Recurring cost/annum- Rs. 15 lakhs</td></tr>
<tr><td>36.</td><td>CER activities with the specific allocation of funds</td><td>130 lakhs</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 standard 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.

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

2. The PP shall obtain fresh water supply commitment letter and disposal of excess treated water from the local body /TWAD before obtaining CTO.
3. The project proponent shall submit structural stability certificate and STP Adequacy report from reputed institutions like IIT, Anna University etc, to TNPCB before obtaining CTO.
4. The PP shall construct a tank of appropriate size in the earmarked OSR land in consultation with the local body. 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.
5. The project proponent shall enumerate no. of Trees, Age of trees & its yield details of trees in the proposed project site.
6. The PP shall install comprehensive tank and three Rainwater harvesting sumps connecting the proposed 3 blocks.
7. The project proponent shall provide STP of capacity 120 KLD and treated water shall be utilized for flushing, green belt and avenue plantation after obtaining necessary permission from competent Authority.
8. The treated/untreated sewage water shall not be let-out from the unit premises without obtain necessary permission from competent authority.
9. The PP shall analyse the treated wastewater samples periodically through TNPCB.
10. The treated/untreated sewage water shall not be let-out from the unit premises.
11. The proponent shall provide adequate organic waste disposal facility such as organic waste convertor within the project site as committed and non- bio-degradable waste to should be sent to authorized recyclers as committed.
12. The height of the stacks of DG sets shall be provided as per the CPCB norms.
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.

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC - TN

15. 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 State Forest and Horticulture Departments. 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.
16. 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.
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 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.
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. No waste of any type to be disposed of in any other way other than as per the concerned regulations in force.
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 as committed for during SEAC meeting.
23. The project proponent shall provide a medical facility, possibly with a medical officer in the project site for continuous monitoring of the health of construction

workers during COVID and post-COVID period.

24. The project proponent shall measure the criteria air pollutants data (including CO) due to vehicular traffic again before getting consent to operate from TNPCB and submit a copy of the same to SEIAA.
25. Generation of the solar/renewable energy should not be less than 50% of total energy utilization and ensure that the entire roof of the building. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.
26. 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 stated that an amount Rs. 130 lakhs shall be spent as CER and the amount shall be spent for the committed activities before obtaining CTO from TNPCB.

S. No	Activities	Amount In Rs. lakh
1	Government Arts and Science College ,Perumbakkam • Painting of entire school • Sanitation facility & Drinking water plant. • Library & Solar lighting. • Avenue Plantation along with the School Boundary	70
2	Government Higher Secondary School ,Perumbakkam • Painting of entire school • Sanitation facility & Drinking water plant. • Library & Solar lighting. • Sanitary napkin incinerator • Construction of Hand Washing System	30

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC-TN

	• Avenue Plantation along with the School Boundary	
3	Government Middle School ,Nookampalayam • Painting of entire school • Sanitation facility & Drinking water plant. • Library & Solar lighting. • Avenue Plantation along with the School Boundary	30
	Total (INR In Lakhs)	**130**

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

ANNEXURE-I

1. The proponent shall mandatorily appoint the required number of statutory officials and the competent persons in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961.
2. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
3. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
4. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of mineral, waste, over burden, inter burden and top soil etc.. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.
5. The reject/waste generated during the mining operations shall be stacked at earmarked waste dump site(s) only. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.
6. The proponent shall ensure that the slope of dumps is suitably vegetated in scientific manner with the native species to maintain the slope stability, prevent erosion and surface run off. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps.

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

7. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.
8. The Project Proponent shall carry out slope stability study by a reputed academic/research institution such as NIRM, IIT, Anna University for evaluating the safe slope angle if the proposed dump height is more than 30 meters. The slope stability report shall be submitted to concerned Regional office of MoEF&CC, Govt. of India, Chennai as well as SEIAA, Tamilnadu.
9. The Proponent shall ensure that the Noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
10. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
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 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.
12. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper escapements 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.

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

13. **Noise and Vibration Related:** (i) The Proponent shall carry out only the Controlled Blasting operation using NONEL shock tube initiation system during daytime. Usage of other initiation systems such as detonating cord/fuse, safety fuse, ordinary detonators, cord relays, should be avoided in the blasting operation. The mitigation measures for control of ground vibrations and to arrest fly rocks should be implemented meticulously under the supervision of statutory competent persons possessing the I / II Class Mines Manager / Foreman / Blaster certificate issued by the DGMS under MMR 1961, appointed in the quarry. No secondary blasting of boulders shall be carried out in any occasions and only the Rock Breakers (or) other suitable non-explosive techniques shall be adopted if such secondary breakage is required. The Project Proponent shall provide required number of the security sentries for guarding the danger zone of 500 m radius from the site of blasting to ensure that no human/animal is present within this danger zone and also no person is allowed to enter into (or) stay in the danger zone during the blasting. (ii) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
14. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
15. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
16. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

17. The proponent shall ensure that the transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried rough stones; and transport of rough stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
18. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
19. After mining operations are completed, the mine closure activities as indicated in the mine closure plan shall be strictly carried out by the Proponent fulfilling the necessary actions as assured in the Environmental Management Plan.
20. The Project proponent shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition that is fit for the growth of fodder, flora, fauna etc.
21. The Project Proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
22. The project proponent shall ensure that the provisions of the MMRD, 1956, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are compiled by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
23. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB)and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.
24. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

Project Proponent liable for legal action in accordance with Environment and Mining Laws.

25. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.

26. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.

27. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.

28. The Project proponent shall install a Display Board at the entrance of the mining lease area/abutting the public Road, about the project information as shown in the **Appendix –II** of this minute.

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

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	புரச மரம்
16	*Cochlospermum religiosum*	Kongu, Manjalllavu	கோங்கு, மஞ்சள் இலவு
17	*Cordia dichotoma*	Naruvili	நருவலி
18	*Crateva 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*	Aavili	ஆவில 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	அரம்ப, பிசினபட்டை
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

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

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	புலவு
47	*Putranjiva roxburghi*	Karipala	கரிபாலா
48	*Salvadora persica*	Ugaa Maram	உகா மரம்
49	*Sapindus emarginatus*	Manipungan, Soapukai	மணிபுங்கன் சோப்புக்காய்
50	*Saraca asoca*	Asoca	அசோகா
51	*Streblus asper*	Piray maram	பிரய் மரம்
52	*Strychnos nuxvomic*	Yetti	எட்டி
53	*Strychnos potatorum*	Therthang Kottai	தேத்தான் கொட்டை
54	*Syzygium cumini*	Naval	நாவல்
55	*Terminalia belleric*	Thandri	தான்றி
56	*Terminalia arjuna*	Ven marudhu	வெண் மருது
57	*Toona ciliate*	Sandhana vembu	சந்தன வேம்பு
58	*Thespesia populnea*	Puvarasu	பூவரசு
59	*Walsuratrifoliata*	valsura	வால்சுரா
60	*Wrightia tinctoria*	Veppalai	வெப்பாலை
61	*Pithecellobium dulce*	Kodukkapuli	கொடுக்காப்புளி

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

Appendix –II

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

.....சுரங்கம்

சுரங்கங்களில் குவாரி செயல்பாடுகளுக்கான சுற்றுச்சூழல் அனுமதி கிரஷர் நிறுவனங்களுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது SEIAA/..... தேதியிடப்பட்டு, சுற்றுச்சூழல் அனுமதி _____தேதி வரை செல்லத்தக்கதாக உள்ளது.

பசுமை பகுதி வளர்ச்சி மேம்பாட்டுக்கான சுரங்கத் திட்டம்	குவாரியின் எல்லையைச் சுற்றி வேலி அமைக்க வேண்டும்
	சுரங்கப்பணிகளின் ஆழம் நிலமட்டத்திலிருந்து ____மீட்டருக்கு மிகாமல் இருக்க வேண்டும்.
	காற்றில் மாசு ஏற்படாதவாறு சுரங்க பணிகளை மேற்கொள்ள வேண்டும்.
நடப்பட்டு பராமரிக்கப்பட வேண்டிய மரங்கள் எண்ணிக்கை:	வாகனங்கள் செல்லும் பாதையில் மாசு ஏற்படாத அளவிற்கு தண்ணீரை முறையாக தண்ணீர் லாரிகளின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும்.
	இரைச்சல் அளவையும் தூசி மாசுபாட்டையும் குறைப்பதற்காக குவாரியின் எல்லையை சுற்றி அடர்த்தியான பசுமை பகுதியை ஏற்படுத்த வேண்டும்.
சுரங்கத்தில் வெடி வைக்கும்பொழுது நிலஅதிர்வுகள் ஏற்படாதவாறும் மற்றும் கற்கள் பறக்காதவாறும் பாதுகாப்பு நடவடிக்கைகளை உள்ளிப்பாக செயல்படுத்தப்பட வேண்டும்	
சுரங்கத்தில் இருந்து ஏறபடும் இரைச்சல் அளவு 85 டெசிபல்ஸ் (dBA) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற் கொள்ள வேண்டும்.	
சுரங்க சட்ட விதிகள் 1955ன் கீழ் சுரங்கத்தில் உள்ள பணியாளருக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு கட்டாயமுள்ள கூறுபாடுகளை செயது தர வேண்டும்.	
கிராமம் அல்லது பஞ்சாயத்து வழியாக வாகனங்கள் செல்லும் சாலையை தொடர்ந்து நன்கு பராமரிக்க வேண்டும்.	
சுரங்கப்பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் நீர்நிலைகள் பாதிக்கப்படக் கூடாது.	
நீர்நிலைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வகையில் நிலத்தடி நீரின் தரத்தினை தொடர்ந்து கண்காணிக்க வேண்டும்.	
சுரங்கத்திலிருந்து கனிம பொருட்களை எடுத்துச் செல்வது கிராம மக்களுக்கு எந்தத் சிரமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் சுற்றுசூழல் பாதிக்காவாறு வாகனம் வாகனங்களை இயக்க வேண்டும்.	
சுரங்கப்பணிகள் முடிக்கப்பட்டவுடன் சுரங்க மூடல் திட்டத்தில் உள்ளவாறு சுரங்கத்தினை மூட வேண்டும்.	
சுரங்க நடவடிக்கைகளை முடித்தபின்னர் சுரங்கப் பகுதி மற்றும் சுரங்க நடவடிக்கைகளால் இடையூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுசுழற்சிமானம் செயது தாவரங்கள் விலங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பசுமைப்பகுதியை உருவாக்க வேண்டும்.	
முழுமையான நிபந்தனைகளை அறிய பார்வேப் (http://parivesh.nic.in) எனும் இணையதளத்தைப் பார்வையிடவும் மேலும் சுற்றுச்சூழல் சார்ந்த புகார்களுக்கு சென்னையில் உள்ள சுற்றுச்சூழல் மற்றும் வன அமைச்சகத்தின் ஒருங்கிணைந்த மண்டல அலுவலகம்: 044 – 28222325 (அல்லது) தமிழ்நாடு மாசு கட்டுப்பாடு வாரியத்தின் மாவட்ட சுற்றுச்சூழல் பொறியாளரை அணுகவும்.	

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN