

STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of 310th Meeting of the State Expert Appraisal Committee (SEAC) held on 14.9.2022 September 2022 (Wednesday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects.

Agenda No: 310-01

(File No: 8038/2020)

Proposed construction of Apostolic Christian assembly S.F. Nos. 58/1&57/2 Melpakkam Village & 16/2A & 18/1 Veeraragavapuram Village Thiruverkadu Municipality, Thiruvallur District, Tamil Nadu by M/s Apostolic Christian assembly - For Environmental Clearance. (SIA/TN/MIS/183202/2020 Dt. 12.11.2020)

The proposal has Scheduled in this 310th SEAC Meeting held on 14.09.2022. The project proponent gave a representation through e mail Dt.10.9.2022 to reschedule from 1st proposal to last proposal for detailed presentation. However, the subject could not be taken up in this meeting for want of time and hence the SEAC decided to reschedule it in any one of the ensuing meetings.

Agenda No: 310-02

(File No: 9361/2022)

Proposed construction of Non-High-Rise Residential Group Development at S.F. Nos. 611, 612, 613/3, 614, 615, 616, 617part, 620/1 part, 620/2 part, 621, 622, 623/1, 623/2 part, 623/4, 623/5A, 623/5B & 623/6 Gerugambakkam Village, Kundrathur Taluk, Kancheepuram District, Tamil Nadu by M/s. Casagrand Builder Private Limited - For Terms of Reference. (SIA/TN/MIS/79203/2022 Dt. 29.06.2022)

The proposal was placed in this 310th SEAC Meeting held on 14.09.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

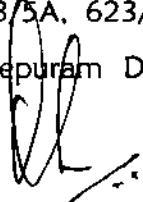
The SEAC noted the following:

1. The Project Proponent, M/s. Casagrand Builder Private Limited has applied for Terms of Reference for the Proposed construction of Non-High-Rise Residential Group Development at S.F. Nos. 611, 612, 613/3, 614, 615, 616, 617part, 620/1 part, 620/2 part, 621, 622, 623/1, 623/2 part, 623/4, 623/5A, 623/5B & 623/6 Gerugambakkam Village, Kundrathur Taluk, Kancheepuram District,

Tamil Nadu


MEMBER SECRETARY
SEAC -TN

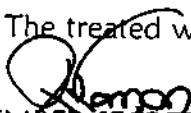
1

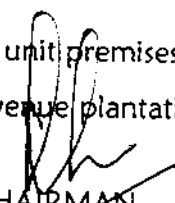

CHAIRMAN
SEAC- TN

2. The project/activity is covered under Category "B1" of Item 8(b) "Townships and Area Development Projects" of the Schedule to the EIA Notification, 2006.
3. The proposal involves construction of Non-High-Rise Residential building with a total built up area of 1,59,975.23 Sq.m and the total no. of dwelling units is 1120 Nos.

Based on the presentation made and documents furnished by the project proponent, SEAC decided to **recommend the proposal for the Terms of Reference** 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.
2. 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.
3. The project proponent shall provide STP and study about the various treatment technologies such as SBR, MBR, MMBR/FAB etc.,
4. The PP shall adopt BOT contract so that the STP is maintained by the builder of STP for a minimum period of 10 years.
5. The project proponent shall furnish revised green belt cover upto 25% excluding OSR area and Identify the vacant lands in and around the project site and furnish the proposal for tree plantation to achieve a minimum green coverage of 25%.
6. The proponent shall study the details of anticipated impacts on the Adyar River abutting to the proposed project site and its mitigation measures.
7. The proponent shall obtain the flood inundation certificate from Competent Authority/PWD.
8. The proponent shall study and provide various energy conservation and energy savings technologies.
9. The proponent shall study and adopt various building materials and modern technologies in the construction practice such as Gypsum plastering, 3D volumetric construction, Waterless Technology for Masonry, Plasters and Repairs etc.,
10. The proponent shall carry out Traffic Congestion study.
11. The treated/untreated sewage water shall not be let-out from the unit premises.
12. The treated water shall be utilized for flushing, green belt and avenue plantation


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

- after obtaining necessary permission from competent Authority.
13. 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.
 14. The height of the stacks of DG sets shall be provided as per the CPCB norms.
 15. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc, to TNPCB before obtaining CTO.
 16. 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.
 17. PP shall examine constructing 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.
 18. 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.
 19. The propoñent shall provide the separate wall between the STP and OSR area as per the layout furnished and committed.
 20. 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.
 21. 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.

22. The proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
23. 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.
24. 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.
25. No waste of any type to be disposed of in any other way other than as per the concerned regulations in force.
26. 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.
27. 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.
28. 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.
29. 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.
30. 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.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

31. 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 mentioning all the activities as directed by SEAC in the CER and furnish the same.

Agenda No: 310-03

(File No: 9354/2022)

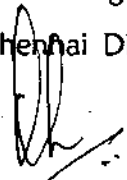
Proposed construction of Group Development of Residential Building at S.F. Nos. 19/3, 19/5A1, 19/5A2, 19/5A3, 20/1, 20/2, 20/3, 20/8, 20/9, 20/10, 21/2, 21/3, 21/4, 21/5A, 21/5B, 21/6, 22/1, 22/2, 22/3, 23/1, 23/2, 23/3, 23/4, 24/1, 24/2, 24/3B, 24/6, 130/7B, 130/8, 130/9B, 136/1, 136/2B, 136/2D2, 136/2F, 136/2G, 136/2H, 138/2A, 138/2B, 139/3B, 140/1A, 140/1B, 140/2, 140/3, 140/4, 140/5, 140/6, 141/1, 141/2, 141/4A, 141/4B, 141/5, 141/6, 141/7, 141/8, 141/9, 141/10, 142/1, 142/2A1, 142/2A2, 142/2B, 142/3, 142/4, 142/5, 143/1A2, 143/1B, 143/1C, 143/2, 144/1A1, 144/1A2, 144/1B, 144/2, 145/1A, 145/1B, 145/2A3A, 145/2A3B, 145/4, 145/5, 146/1, 146/2B, 147/1, 147/2A, 147/2B, 147/2C, 147/3, 148/1A, 148/1B of Jaladiampettai Village and 420/1B2B, 421/2 of Pallikaranai Village, Sholinganallur Taluk, Chennai District, Tamil Nadu by M/s. Casagrand Horizons Private Limited - For Terms of Reference. (SIA/TN/MIS/78738/2022 Dt. 22.06.2022)

The proposal was placed in this 310th SEAC Meeting held on 14.09.2022. 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 Proponent, M/s. Casagrand Horizons Private Limited has applied for Terms of Reference for the Proposed construction of Group Development of Residential Building at S.F. Nos. 19/3, 19/5A1, 19/5A2, 19/5A3, 20/1, 20/2, 20/3, 20/8, 20/9, 20/10, 21/2, 21/3, 21/4, 21/5A, 21/5B, 21/6, 22/1, 22/2, 22/3, 23/1, 23/2, 23/3, 23/4, 24/1, 24/2, 24/3B, 24/6, 130/7B, 130/8, 130/9B, 136/1, 136/2B, 136/2D2, 136/2F, 136/2G, 136/2H, 138/2A, 138/2B, 139/3B, 140/1A, 140/1B, 140/2, 140/3, 140/4, 140/5, 140/6, 141/1, 141/2, 141/4A, 141/4B, 141/5, 141/6, 141/7, 141/8, 141/9, 141/10, 142/1, 142/2A1, 142/2A2, 142/2B, 142/3, 142/4, 142/5, 143/1A2, 143/1B, 143/1C, 143/2, 144/1A1, 144/1A2, 144/1B, 144/2, 145/1A, 145/1B, 145/2A3A, 145/2A3B, 145/4, 145/5, 146/1, 146/2B, 147/1, 147/2A, 147/2B, 147/2C, 147/3, 148/1A, 148/1B of Jaladiampettai Village and 420/1B2B, 421/2 of Pallikaranai Village, Sholinganallur Taluk, Chennai District, Tamil Nadu.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

2. The project/activity is covered under Category "B1" of Item 8(b) "Townships and Area Development Projects" of the Schedule to the EIA Notification, 2006.
3. The proposal involves construction of Group Development of Residential Building with a total built up area of 1,66,500 Sq.m and the total no. of dwelling units is 941 Nos.

Based on the presentation made and documents furnished by the project proponent, SEAC decided to **recommend the proposal for the Terms of Reference** 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.
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 provide STP with ZLD and study about the various treatment technologies such as SBR, MBR, MMBR/FAB etc.,
4. The PP shall adopt BOT contract so that the STP is maintained by the builder of STP for a minimum period of 10 years.
5. The project proponent shall furnish revised green belt cover upto 25% excluding OSR area and identify the vacant lands in and around the project site and furnish the proposal for tree plantation to achieve a minimum green coverage of 25%.
6. PP shall examine constructing 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.
7. The proponent shall study the details of anticipated impacts on the Adyar River abutting to the proposed project site and its mitigation measures.
8. The proponent shall study about flood inundation for 20 years in the proposed project site and obtain certificate from Competent Authority/PWD.

9. The proponent shall study and provide various energy conservation and energy savings technologies.
10. The proponent shall study and adopt various building materials and modern technologies in the construction practice such as Gypsum plastering, 3D volumetric construction, Waterless Technology for Masonry, Plasters and Repairs etc.,
11. The proponent shall carry out Traffic Congestion study.
12. The treated/untreated sewage water shall not be let-out from the unit premises.
13. The treated water shall be utilized for flushing, green belt and avenue plantation after obtaining necessary permission from competent Authority.
14. 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.
15. The height of the stacks of DG sets shall be provided as per the CPCB norms.
16. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc, to TNPCB before obtaining CTO.
17. 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.
18. 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.
19. 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.
20. The proponent shall provide the separate wall between the STP and OSR area as per the layout furnished and committed.
21. 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.

22. 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.
23. The proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
24. 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.
25. 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.
26. No waste of any type to be disposed of in any other way other than as per the concerned regulations in force.
27. 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.
28. 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.
29. 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.
30. 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.

31. 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.
32. 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 mentioning all the activities as directed by SEAC in the CER and furnish the same.

Agenda No: 310-04

(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 - For Environmental Clearance. (SIA/TN/MIS/282109/2022 Dt. 07.07.2022)

The proposal was placed in this 310th SEAC Meeting held on 14.09.2022. 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.

S. No	Description	Details
1.	Name of the Project	Proposed construction of Group Development by M/s. Casagrande Smart Value Homes Private Limited
2.	Location	S.No : 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
3.	Type of Project	Building and Construction Projects Schedule 8 (a), Category "B2"
4.	Latitude & Longitude	

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC -TN

		<table><tr><th>S.No</th><th>Latitude</th><th>Longitude</th></tr><tr><td>1</td><td>13°0'41.54"N</td><td>80°10'0.35"E</td></tr><tr><td>2</td><td>13°0'41.47"N</td><td>80°10'3.75"E</td></tr><tr><td>3</td><td>13°0'41.04"N</td><td>80°10'0.35"E</td></tr><tr><td>4</td><td>13°0'40.84"N</td><td>80°10'1.17"E</td></tr><tr><td>5</td><td>13°0'40.12"N</td><td>80°10'1.32"E</td></tr><tr><td>6</td><td>13°0'38.35"N</td><td>80°9'58.58"E</td></tr><tr><td>7</td><td>13°0'37.08"N</td><td>80°9'59.00"E</td></tr><tr><td>8</td><td>13°0'33.49"N</td><td>80°9'58.34"E</td></tr><tr><td>9</td><td>13°0'32.97"N</td><td>80°10'0.42"E</td></tr><tr><td>10</td><td>13°0'33.81"N</td><td>80°10'0.84"E</td></tr><tr><td>11</td><td>13°0'32.85"N</td><td>80°10'5.15"E</td></tr><tr><td>12</td><td>13°0'39.70"N</td><td>80°10'6.85"E</td></tr><tr><td>13</td><td>13°0'40.04"N</td><td>80°10'3.63"E</td></tr></table>	S.No	Latitude	Longitude	1	13°0'41.54"N	80°10'0.35"E	2	13°0'41.47"N	80°10'3.75"E	3	13°0'41.04"N	80°10'0.35"E	4	13°0'40.84"N	80°10'1.17"E	5	13°0'40.12"N	80°10'1.32"E	6	13°0'38.35"N	80°9'58.58"E	7	13°0'37.08"N	80°9'59.00"E	8	13°0'33.49"N	80°9'58.34"E	9	13°0'32.97"N	80°10'0.42"E	10	13°0'33.81"N	80°10'0.84"E	11	13°0'32.85"N	80°10'5.15"E	12	13°0'39.70"N	80°10'6.85"E	13	13°0'40.04"N	80°10'3.63"E
S.No	Latitude	Longitude																																										
1	13°0'41.54"N	80°10'0.35"E																																										
2	13°0'41.47"N	80°10'3.75"E																																										
3	13°0'41.04"N	80°10'0.35"E																																										
4	13°0'40.84"N	80°10'1.17"E																																										
5	13°0'40.12"N	80°10'1.32"E																																										
6	13°0'38.35"N	80°9'58.58"E																																										
7	13°0'37.08"N	80°9'59.00"E																																										
8	13°0'33.49"N	80°9'58.34"E																																										
9	13°0'32.97"N	80°10'0.42"E																																										
10	13°0'33.81"N	80°10'0.84"E																																										
11	13°0'32.85"N	80°10'5.15"E																																										
12	13°0'39.70"N	80°10'6.85"E																																										
13	13°0'40.04"N	80°10'3.63"E																																										
5.	Total Plot/land Area (in sq. m)	Total Plot Area – 47824.94 Sqm																																										
6.	Built up area	Proposed total built-up area - 1,33,166.33 Sqm																																										
7.	Cost of Project	Rs.238.78 Crores																																										
8.	Total Built up area	The total built up area – 1,33,166.33 Sq.m Detailed Built Up Area Statement <table><tr><th>S.No</th><th>Name of the Block/Building</th><th>Total built up area (Sq.m)</th></tr><tr><td>1</td><td>Block 1(Combined B+G+4)</td><td rowspan="3">128529</td></tr><tr><td>2</td><td>Block 2(Combined B+G+4)</td></tr><tr><td>3</td><td>Block 3(Combined B+G+4)</td></tr><tr><td>4</td><td>STP</td><td>770.61</td></tr><tr><td>5</td><td>WTP</td><td>120.31</td></tr><tr><td>6</td><td>Transformer Yard</td><td>167.92</td></tr></table>	S.No	Name of the Block/Building	Total built up area (Sq.m)	1	Block 1(Combined B+G+4)	128529	2	Block 2(Combined B+G+4)	3	Block 3(Combined B+G+4)	4	STP	770.61	5	WTP	120.31	6	Transformer Yard	167.92																							
S.No	Name of the Block/Building	Total built up area (Sq.m)																																										
1	Block 1(Combined B+G+4)	128529																																										
2	Block 2(Combined B+G+4)																																											
3	Block 3(Combined B+G+4)																																											
4	STP	770.61																																										
5	WTP	120.31																																										
6	Transformer Yard	167.92																																										

		7	Security Cabin	12.50
		8	Compound Wall	336.30
		9	Swimming Pool	816.00
		10	Rain Water Harvesting	938.5
		11	Underground sump	267.91
		12	Head Room	450.96
		13	Water Tank	450.96
		14	Lift Machine Room	145.72
		15	Other Utility Area	159.60
			Total Area , Sqm	133166.33
9.	Land Break-up	S.No	Description	Area in sqm
		1	Total Land Area	47824.94
		2	Road area to be gifted	1532.51
		3	Total Land Area for development after road gifting	46292.43
		4	Total Ground Coverage Area of Buildings (42.6%)	19711.61
		5	Roads and Pavements Area (29.6%)	13712.55
		6	STP, Solid Waste Disposal and Other Utilities Area (2.4%)	1088.39
		7	Greenbelt development Area	6951.5


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC -TN

		(15 %)																															
	8	OSR Area (10.4%)	4828.38																														
10.	Sewage Treatment Plant-	<table><tr><td>S.No</td><td>Description</td><td>Capacity (m3)</td></tr><tr><td>1</td><td>Bar Screen Chamber</td><td>--</td></tr><tr><td>2</td><td>Equalization tank</td><td>304</td></tr><tr><td>3</td><td>SBR Tank (2 Nos)</td><td>201</td></tr><tr><td>4</td><td>Decant Water Tank</td><td>192</td></tr><tr><td>5</td><td>Treated Water Tank</td><td>199</td></tr><tr><td>6</td><td>Sludge Holding Tank</td><td>77</td></tr><tr><td>7</td><td>UF Treated Water Tank</td><td>142</td></tr><tr><td>8</td><td>Pressure sand Filter</td><td>--</td></tr><tr><td>9</td><td>Activated Carbon Filter</td><td>--</td></tr></table>	S.No	Description	Capacity (m3)	1	Bar Screen Chamber	--	2	Equalization tank	304	3	SBR Tank (2 Nos)	201	4	Decant Water Tank	192	5	Treated Water Tank	199	6	Sludge Holding Tank	77	7	UF Treated Water Tank	142	8	Pressure sand Filter	--	9	Activated Carbon Filter	--	
S.No	Description	Capacity (m3)																															
1	Bar Screen Chamber	--																															
2	Equalization tank	304																															
3	SBR Tank (2 Nos)	201																															
4	Decant Water Tank	192																															
5	Treated Water Tank	199																															
6	Sludge Holding Tank	77																															
7	UF Treated Water Tank	142																															
8	Pressure sand Filter	--																															
9	Activated Carbon Filter	--																															
11.	Total STP Capacity	550 KLD(SBR)																															
12.	a) Water requirement KLD	Total water requirement – 606kLD Fresh Water Requirement for domestic purposes & Swimming pool– 375kLD Treated wastewater for Flushing– 190kLD Treated wastewater for Gardening – 24 KLD Treated wastewater for OSR – 17 KLD																															
13.	Quantity of Sewage KLD	Sewage Generation – 550 KLD																															
14.	Quantity of Solid Waste generated per day , Mode of treatment and Disposal of Solid Waste	<table><tr><th>Description</th><th>Quantity</th><th>Mode of Disposal</th></tr><tr><td>Biodegradable (@40% of waste generated)</td><td>0.862</td><td>Will be treated in Organic Waste Converter and used as manure for gardening.</td></tr><tr><td>Non - Biodegradable</td><td>1.293</td><td>Sent to authorized recyclers or local bodies</td></tr></table>		Description	Quantity	Mode of Disposal	Biodegradable (@40% of waste generated)	0.862	Will be treated in Organic Waste Converter and used as manure for gardening.	Non - Biodegradable	1.293	Sent to authorized recyclers or local bodies																					
Description	Quantity	Mode of Disposal																															
Biodegradable (@40% of waste generated)	0.862	Will be treated in Organic Waste Converter and used as manure for gardening.																															
Non - Biodegradable	1.293	Sent to authorized recyclers or local bodies																															

		e (@ 60% of waste generated)		for recycling																									
		STP sludge	27	will be used as manure for greenbelt development																									
15.	Power requirement	6760 KVA (Source of power – TANGEDCO)																											
16.	Details of D.G. set with Capacity	2 Nos. x 275 kVA, 1 No x 360 KVA, 1 No. x 320 KVA																											
17.	Details of Green Belt Area	6951.5 sq.m																											
18.	Details of Parking Area	<table><tr><th colspan="4">Parking Details</th></tr><tr><th>Details</th><th>No. of Car parking</th><th>No of two wheeler parking</th><th>Area allotted for parking (Sq.m)</th></tr><tr><td>Total number of Parking in Basement</td><td>1073</td><td>8</td><td>13907.4</td></tr><tr><td>Total number of Parking required as per CMDA norms</td><td>860</td><td>7</td><td>10902.6</td></tr><tr><td>Total number of Parking provided</td><td>1073</td><td>8</td><td>13907.4</td></tr><tr><td>10% Visitor Parking Provided</td><td>78</td><td>2</td><td>978.6</td></tr></table>				Parking Details				Details	No. of Car parking	No of two wheeler parking	Area allotted for parking (Sq.m)	Total number of Parking in Basement	1073	8	13907.4	Total number of Parking required as per CMDA norms	860	7	10902.6	Total number of Parking provided	1073	8	13907.4	10% Visitor Parking Provided	78	2	978.6
Parking Details																													
Details	No. of Car parking	No of two wheeler parking	Area allotted for parking (Sq.m)																										
Total number of Parking in Basement	1073	8	13907.4																										
Total number of Parking required as per CMDA norms	860	7	10902.6																										
Total number of Parking provided	1073	8	13907.4																										
10% Visitor Parking Provided	78	2	978.6																										
19.	Provision for rain water harvesting	Total Rainwater Runoff – 34532.6cum																											
20.	EMP Cost (Rs.)	Construction Phase- 257.3 lakhs																											

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC -TN

		Operation Phase - 24.84 Lakhs
21.	CER activities with the specific allocation of funds	150 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 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.
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 furnish revised green belt cover upto 25% excluding OSR area and identify the vacant lands in and around the project site and furnish the proposal for tree plantation to achieve a minimum green coverage of 25%.
4. The maintenance cost of the existing channel in eastern side of the proposed site should be included in the Revised EMP budget.
5. The PP shall analysis the details of anticipated impact on the Adyar River at 400m approx. distance in the Southern direction from the proposed project site and its mitigation measures.
6. The proponent shall adhere to the conditions mentioned therein NOC from PWD for flood inundation vide Letter.No.DB/T5(3)/F-2730 NOC Manapakkam/ 2022/ dated:04.05.2022
7. The treated/untreated sewage water shall not be let-out from the unit premises without obtain necessary permission from competent authority.
8. The proponent shall provide charging facility for e-vehicle and provide car washing arrangements.
9. The project proponent shall provide STP of capacity 550 KLD and treated water shall be utilized for flushing, green belt and avenue plantation after obtaining necessary permission from competent Authority.

10. The PP shall adopt BOT contract so that the STP is maintained by the builder of STP for a minimum period of 10 years.
11. The proponent is requested to carry out a routine and periodic maintenance of the existing STP in the Warehouse.
12. The PP shall analyse the treated wastewater samples periodically through TNPCB.
13. The treated/untreated sewage water shall not be let-out from the unit premises.
14. 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.
15. The height of the stacks of DG sets shall be provided as per the CPCB norms.
16. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc, to TNPCB before obtaining CTO.
17. 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.
18. 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.
19. 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.
20. The proponent shall provide the separate wall between the STP and OSR area as per the layout furnished and committed.
21. 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.
22. 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.
 23. The proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
 24. 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.
 25. 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.
 26. No waste of any type to be disposed of in any other way other than as per the concerned regulations in force.
 27. 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.
 28. 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.
 29. 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.
 30. 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.
 31. 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.

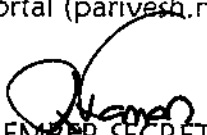
32. The grant of this E.C. is issued from the environmental angle only and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
33. 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.
34. The Project Proponent stated that an amount Rs. 150 lakhs shall be spent as CER and the amount of Rs. 50 Lakh shall be spent for Forest Tribal School in Javadhu Hills, Rs.29 Lakhs to DFO Thiruvannamalai & 21 Lakhs DFO Tirupattur and other Committed activities before obtaining CTO from TNPCB.

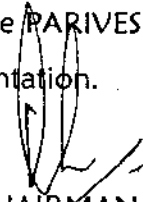
AGENDA No: 310-5

(File No: 6149/2021)

Proposed expansion of Secondary Metallurgical Processing Industry at S.F No. 77/1C, 78/1A, 79/1B, 85/1, 85/1A, 85/2, 85/3, 85/4, 85/5, 86, 88/1, 88/2, 88/3, 89/1, 89/2, 89/3, 89/4, 89/5, 89/6, 89/7, 89/8, 89/9, 89/10A, 89/10B, 89/10C, 90/1, 90/2, 90/3A, 92/1, 92/1, 92/9, 94/1, 95/1, 95/2, 95/3, 95/5, 95/5, 95/6, 96/1, 96/3, 96/4, 98/1, 98/14 at Maravankulam Village, 84/12 (84/12A1), 86/1A., 86/1B, 86/2A, 86/2B, 86/3A, 86/3B, 86/4A, 86/4B, 86/5A, 86/5B, 86/6A, 86/6B, 86/7A, 86/7B, 86/8, 94/1A, 94/1B, 94/1C, 94/1D1, 94/1D2, 94/1D3, 94/1E1, 94/1E2, 94/1E2, 94/2A, 94/2B, 94/4A, 94/4B1, 94/4B2, 94/4B3, 94/4B4, 94/4C, 94/4D1, 94/4D2, 94/4D3, 94/4D4, 95/1, 95/2, 95/3, 95/4, 96/1A, 96/1B, 96/2, 97/1A1, 97/1A2, 97/1B1, 97/1B2, 97/2B2, 97/2B3, 97/3, 97/4, 97/4, 97/5A, 97/5B, 97/6, 97/7A, 97/7B, 97/7B, 97/7C, 98/1, 98/2A, 98/2B, 98/3A1, 98/6, 98/7A, 98/7B, 99/1C, 105/1A, 105/2A, 97/2A, 97/2B1, 97/4A, 98/3A2 at Kappalur Village, Tirumangalam Taluk, Madurai District Tamil Nadu by M/s. The Metal Powder Company Limited - For Terms of Reference (SIA/TN/IND/18032/2016, dated 24/12/2016)

The proposal was placed in this 310th SEAC Meeting held on 14.09.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in). The project proponent gave a detailed presentation.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

SEAC noted the following:

1. The Proponent, M/s. The Metal Powder Company Limited has applied for Terms of Reference for the Proposed expansion of Secondary Metallurgical Processing Industry at S.F No. 77/1C, 78/1A, 79/1B, 85/1, 85/1A, 85/2, 85/3, 85/4, 85/5, 86, 88/1, 88/2, 88/3, 89/1, 89/2, 89/3, 89/4, 89/5, 89/6, 89/7, 89/8, 89/9, 89/10A, 89/10B, 89/10C, 90/1, 90/2, 90/3A, 92/1, 92/1, 92/9, 94/1, 95/1, 95/2, 95/3, 95/5, 95/5, 95/6, 96/1, 96/3, 96/4, 98/1, 98/14 at Maravankulam Village, 84/12 (84/12A1), 86/1A., 86/1B, 86/2A, 86/2B, 86/3A, 86/3B, 86/4A, 86/4B, 86/5A, 86/5B, 86/6A, 86/6B, 86/7A, 86/7B, 86/8, 94/1A, 94/1B, 94/1C, 94/1D1, 94/1D2, 94/1D3, 94/1E1, 94/1E2, 94/1E2, 94/2A, 94/2B, 94/4A, 94/4B1, 94/4B2, 94/4B3, 94/4B4, 94/4C, 94/4D1, 94/4D2, 94/4D3, 94/4D4, 95/1, 95/2, 95/3, 95/4, 96/1A, 96/1B, 96/2, 97/1A1, 97/1A2, 97/1B1, 97/1B2, 97/2B2, 97/2B3, 97/3, 97/4, 97/4, 97/5A, 97/5B, 97/6, 97/7A, 97/7B, 97/7B, 97/7C, 98/1, 98/2A, 98/2B, 98/3A1, 98/6, 98/7A, 98/7B, 99/1C, 105/1A, 105/2A, 97/2A, 97/2B1, 97/4A, 98/3A2 at Kappalur Village, Tirumangalam Taluk, Madurai District Tamil Nadu.
2. The project/activity is covered under Schedule B1 Category 3(a) "Metallurgical industries (ferrous & nonferrous)" of the Schedule to the EIA Notification, 2006.
3. The proposed activity consists of change in production of the following products:

S.No	Products	Existing (T/M)	Proposed (T/M)	Total (T/M)	Total (T/A)
1.	Pyrotechnic Aluminium Powder	300.00	-	300.00	3600
2.	Atomized Aluminium Powder	450.00	100.00	550.00	6600
3.	Explosive Grade Aluminium Powder	84.00	1.00	85.00	1020
4.	Aluminium Paste	100.00	130.00	230.00	2760
5.	Zinc Dust	500.00	- 425	75.00	900

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC - TN

6.	Gold Bronze Powder	40.00	40.00	80.00	960
7.	Silver Powder	2.50	- 1.5	1.00	12
8.	Brass Powder	75.00	-	75.00	900
9.	Magnesium Powder	25.00	-	25.00	300
10.	Tin Powder	8.50	- 3.5	5.00	60
11.	Red Phosphorus Powder	25.00	5.00	30.00	360
12.	Electrolytic Copper Powder	12.50	2.5	15.00	180
13.	Cuprous Oxide	12.50	-	12.50	150
14.	Cobalt Powder	0.83	-	0.83	9.96
15.	Tungsten Powder	0.83	-	0.83	9.96
16.	Titanium Powder	13.50	- 9.5	4.00	48
17.	Atomized Copper Powder	25.00	-	25.00	300
18.	Magnalium Powder	10.00	10.00	20.00	240
19.	Silicon Powder	5.00	10.00	15.00	180
20.	Ferro Silicon Powder	5.00	-	5.00	60
21.	Calcium Silicide Powder	20.00	- 15.00	5.00	60
22.	Bronze Powder	15.00	-	15.00	180
23.	Bismuth Trioxide	-	1.00	1.00	12
24.	Pearl Powder	-	1.00	1.00	12
25.	Cupric Oxide	-	12.50	12.50	150
26.	Ferro Aluminium Powder	-	1.50	1.50	18
27.	Copper Phosphorous Powder	-	0.50	0.50	6
28.	Premix Zinc Alloy Powder	-	5.00	5.00	5.00
29.	Brazing Powder		5.00	5.00	5.00
30.	Aluminium Alloy Powder		2.00	2.00	24
Total		1730.16	- 77.5	1602.66	19231.92

Based on the presentation made by the proponent and the documents furnished

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC -TN

the SEAC decided to recommend the proposal for the grant of Terms of Reference (ToR) with Public Hearing subject to the following specific conditions in addition to the points mentioned in the standard Terms of Reference for EIA study for Metallurgical Industries (Ferrous & Non-Ferrous) and details issued by the MoEF& CC to be included in EIA/EMP report:

1. The proponent shall furnish the capacity and the production details submitted to the Commercial Tax department from the year 2005 onwards.
2. The project proponent shall furnish the detailed comparison statement of existing and expansion project details in the EIA report.
3. The proponent shall submit the compliance report from TNPCB for the conditions imposed in the consent order issued by the TNPCB and Environmental Clearance.
4. Videograph of the entire manufacturing process, effluent treatment plant and air pollution control measures need to be furnished.
5. Past five years health record of the employees along with details of major accidents occurred at the plant shall be furnished.
6. Replacing oil fired furnaces with gas fired furnaces shall be explored.
7. The Project Proponent shall explore the possibility of doing away with production of Cobalt and Mica powder.
8. Detailed study report on the existing manufacturing technology of all the products carried out by the National Metallurgical Laboratory, Taramani, Chennai shall be furnished.
9. The project proponent shall explore the possibilities of treating and utilizing the trade effluent and sewage within the premises to achieve Zero liquid discharge.
10. The project proponent shall do the Stoichiometric analysis of all the involved reactions.
11. Valid PESO licence for storage, transportation and processing of explosive grade raw materials such as Explosive Grade Aluminum Powder under the Indian Explosive Rules 2008.
12. The PP shall furnish a comprehensive Safety Management Plan including a Safety Audit report conducted recently shall be furnished for the plant

operation.

13. Online connectivity with Care Air Centre of TNPCB, Chennai for Real time monitoring of air emissions shall be completed before seeking Environmental Clearance for the proposed activity.
14. The proponent shall implement the alternative cleaner technologies for the expansion activity and the detail should be included in the EIA report.
15. The Environmental pollution control measures proposed to deal with increased Air emissions/effluent generation/solid waste shall be detailed.
16. Adequacy report for ETP & STP for the proposed project obtained from any reputed Government institution such as IIT, Anna University, NIT shall be furnished.
17. 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 Institutions like NIT-Dept of Chemical Engg. Trichy, Anna University Chennai – CEG Campus (or) AC Tech Campus, 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.
18. A detailed report on Solid waste management including Hazardous wastes shall be furnished.
19. Report on AAQ survey and proposed Air pollution prevention and control measures shall be furnished in the EIA report.
20. 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.
21. 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.
22. 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.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC - TN

23. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
24. 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.
25. 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.
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 furnish the detailed EMP.

AGENDA No: 310-6

(File No: 6807/2021)

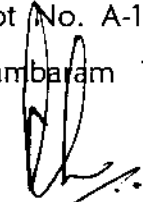
Expansion of Existing construction of IT buildings at MEPZ (Madras Export Processing Zone) campus at Plot No.A-15, 16, 17(Part), B20, C-1 & C-10 and D-2 in Kadaperi Village, Tambaram Taluk, Kancheepuram District, Tamil Nadu by M/s. Congnizant Technology Solutions India Private Limited - For Environmental Clearance Under Violation Category (SIA/TN/MIS/22790/2018, dated 15.07.2022)

The proposal was placed in this 310th meeting of SEAC held on 14.09.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The project proponent gave a detailed presentation. SEAC noted the following:

The Proponent, M/s. Congnizant Technology Solutions India Private Limited has applied seeking Environmental Clearance for the Existing Construction of IT building of MEPZ (Madras Export Processing Zone) campus at Plot No. A-15, 16, 17(Part), B20, C-1 & C-10 and D-2 in Kadaperi Village, Tambaram Taluk, Kancheepuram District, Tamil Nadu under violation category.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

The project/activity is covered under Schedule B Category 8(b) "Building and Construction projects)" of the Schedule to the EIA Notification, 2006.

MoEFCC vide letter No.21-126/2007-IA III dated February 29th, 2008 has approved built-up area of 1,62,516 m². Project Proponent has built-up 188,413.54 m² of area against the approved area of 1,87,890 m² from Chennai Metropolitan Development Authority (CMDA) vide letter No. C3/24329/07 dated 30th December 2008. Additional built-up area of 25,898.54 m² includes area within SDB-4 Building, Canteen building, substation building, security cabin, gas bank area and proposed STP area.

ToR under Violation Category issued vide T.O Letter No.SEIAA-TN/F.No. 6807/Violation/ToR - 699/2020 dated: 18.05.2020 for total Land area - 58482 sq. m (5.8482 Hectare) and Total Built-up Area -188413.54 sq. m and Additional Built-up Area 25,898.54 m².

EIA report submitted on 18.07.2022

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

Agenda No: 310-07

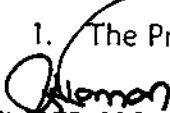
(File No: 7312/2019)

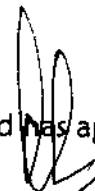
Proposed construction of High rise building for residential purposes in S.No. 127/1, 127/2, 127/3, 131, 132/2, 132/1A, 132/1B, 132/3, 133, 130/1A, 130/1B, 134/1A2, 134/1C, 134/1D & 134/2B of Siruseri Village, Tiruporur Taluk, Kanchipuram district, Tamil Nadu by M/s. L&T South City Projects Pvt. Ltd. Eden Park Township Phase 2 - For Environmental Clearance (SIA/TN/MIS/128573/2019, dated 05-12-2019) --

The proposal was placed in 310th SEAC meeting held on 14.09.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s. L&T South City Projects Pvt. Ltd has applied for


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Environmental Clearance for the Proposed construction of High rise building for residential purposes in S.No. 127/1, 127/2, 127/3, 131, 132/2, 132/1A, 132/1B, 132/3, 133, 130/1A, 130/1B, 134/1A2, 134/1C, 134/1D & 134/2B of Siruseri Village, Tiruporur Taluk, Kanchipuram 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. The proposal involves construction of residential building with a total built up area of 1,03,865.38 Sq.m and the total no. of dwelling units is 676 Nos.

Based on the presentation made by the proponent, SEAC decided to call for additional details

1. Document pertaining to the OSR already allocated.
2. Document regarding handing over the OSR to the local body.
3. Details regarding the development carried out in the OSR already allocated.
4. Plan for development of OSR.
5. Consent from SIPCOT to use the SIPCOT road as approach road for the proposed construction.
6. Submit the revised EMP including Solar which must cover a minimum of 50% of the roof top area.
7. The Reduced Level (RL) of the nearby lake and the RL of the proposed site shall be submitted.

On receipt of the above details, SEAC would further deliberate on this project in the ensuing meeting and decide the further course of action.

Agenda No: 310 -08

(File No: 9125/2022)

Proposed expansion of bulk Drug unit at SIPCOT, Industrial Estate, Plot No. 85-88,105-109,112-116, Pappankuppam Village, Gummidipoondi Taluk, Thiruvallur District – Tamil Nadu by M/s ANJAN DRUG PRIVATE LIMITED - for Environmental Clearance (SIA/TN/IND3/248744/2021 Dt.31.12.2021)

The proposal was placed in this 310th Meeting of SEAC held on 14.09.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

1. The Project Proponent, M/s Anjan Drug Private Limited has applied for Environmental Clearance for the expansion of bulk Drug unit at SIPCOT, Industrial Estate, Plot No. 85-88,105-109,112-116, Pappankuppam Village, Gummidipoondi Taluk, Thiruvallur District.
2. The proposed quarry/activity is covered under Category "B1" of Item 5(f) "Synthetic Organic chemicals (Bulk Drugs and Intermediates-(API))" of the Schedule to the EIA Notification, 2006 as amended.

The Project proponent has requested to withdraw the proposal. Hence, the Authority may decide upon the withdrawal based on the withdrawal request furnished by the proponent.

Agenda No: 310-09

(FileNo: 9321/2022)

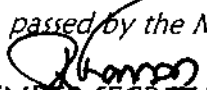
proposed Construction of New Building for Collectorate and other offices located at S.F.No. 191 Ward B, Block 4, T.S no.36 and others Tenkasi village, Tenkasi Taluk, Tirunelveli District, Tamil Nadu by M/s. Executive Engineer, PWD, Buildings (C&M) Division - For Environmental Clearance (SIA/TN/MIS/252442/2022, dated 20-01-2022)

The proposal was placed in this 310th SEAC Meeting held on 14.09.2022. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

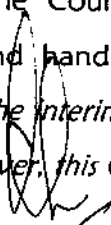
The project proponent gave detailed presentation. SEAC noted the following:

1. The Proponent, M/s. Executive Engineer, PWD, Buildings (C&M) Division has applied for Environmental Clearance for the proposed Construction of New Building for Collectorate and other offices located at S.F.No. 191 Ward B, Block 4, T.S no.36 and others Tenkasi village, Tenkasi Taluk, Tirunelveli 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. The proposal comes under violation category.

The SEAC noted that, the MoEF&CC has issued office memorandum Dated 28th January, 2022 regarding observation of Hon'ble Supreme Court with reference to the SoP dated 7th July 2021 for identification and handling of violation cases under EIA Notification 2006 and stated that "93. The interim order passed by the Madras High Court appears to be misconceived. However, this Court is


MEMBER SECRETARY
SEAC -TN

25


CHAIRMAN
SEAC - TN

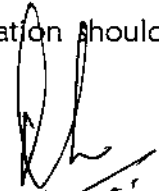
not hearing an appeal from that interim order. The interim stay passed by the Madras High Court can have no application to operation of the Standard Operating Procedure to projects in territories beyond the territorial jurisdiction of Madras High Court. Moreover, final decision may have been taken in accordance with the Orders/ Rules prevailing prior to 7th July, 2021."

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

804(E) Dt. 14.3.2017. Terms of Reference are issued subject to final orders of the Hon'ble High Court of Madras in the matter W.P.(MD) No. 11757 of 2021.

1. Copy of the village map, FMB sketch and "A" register shall be furnished.
2. Detailed Evacuation plan during emergency/natural disaster/untoward accidents shall be submitted.
3. The treated/untreated sewage water shall not be let-out from the unit premises accordingly revised water balance shall be incorporated.
4. As per G.O. Ms. No. 142 approval from Central Ground Water Authority shall be obtained for withdrawal of water and furnish the copy of the same, if applicable.
5. Commitment letter from competent authority for supply of water shall be furnished.
6. The space allotment for solid waste disposal and sewage treatment & grey water treatment plant shall be furnished.
7. Details of the Solid waste management plan shall be prepared as per solid waste management Rules, 2016 and shall be furnished.
8. Details of the E-waste management plan shall be prepared as per E-waste Management Rules, 2016 and shall be furnished.
9. Details of the Rain water harvesting system with cost estimation should be furnished.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

10. A detailed storm water management plan to drain out the storm water entering the premises during heavy rains period shall be prepared including main drains and sub-drains in accordance with the contour levels of the proposed project considering the flood occurred in the year 2015 and also considering the water bodies around the proposed project site & the surrounding development. The storm water drain shall be designed in accordance with the guidelines prescribed by the Ministry of Urban Development.
11. The proposed OSR area should not be included in the activity area. The OSR area should not be taken in to account for the green belt area.
12. The layout plan shall be furnished for the greenbelt area earmarked with GPS co ordinates by the project proponent on the periphery of the site and the same shall be submitted for CMDA/DTCP approval. The green belt width should be at least 3m wide all along the boundaries of the project site. The green belt area should not be less than 15% of the total land area of the project.
13. Cumulative impacts of the Project considering with other infrastructure developments and industrial parks in the surrounding environment within 5 km & 10 km radius shall be furnished.
14. A detailed post-COVID health management plan for construction workers as per ICMR and MHA or the State Govt. guideline may be followed and report shall be furnished.
15. The project proponent shall furnish detailed baseline monitoring data with prediction parameters for modelling for the ground water, emission, noise and traffic.
16. The proposal for utilization of at least 25% of Solar Energy shall be included in the EIA/EMP report.
17. As per the MoEF&CC Office Memorandum F.No.22-65/2017-IA.III dated: 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


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Agenda No. 310-10

(File No. 9356/2022)

Proposed Expansion of existing Thengapattinam Fishing Harbour by developing integrated fishing harbour with associated facilities at S.F. 515/1, 516/1, 243, 446, 465, 466/2, 467/14 in Thengapattinam and Erayumanthurai village, Killiyur Taluk, Kanyakumari District – M/s Assistant Director, Department of Fisheries (Govt. of Tamil Nadu) –for Terms of Reference (SIA/TN/IND2/76828/2022)

The proposal was placed in the 310th SEAC Meeting held on 14.09.2022. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

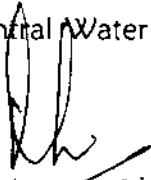
The SEAC noted the following:

1. The Proponent, Proposed Expansion of existing Thengapattinam Fishing Harbour by developing integrated fishing harbour with associated facilities at S.F. 515/1, 516/1, 243, 446, 465, 466/2, 467/14 in Thengapattinam and Erayumanthurai village, Killiyur Taluk, Kanyakumari District –TamilNadu
2. The project/activity is covered under Category "B1" of Item 7(e) "Fishing Harbour Project" 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 EIA report along with Public Hearing. PP represented that considering the facts that baseline data is already available with the department and the fishermen community is put to great hardship as the facility is not operational. PP may be permitted to do rapid EIA report as a special case. SEAC agreed to the request. The EIA shall include standard ToR along with the following additional ToR:

- 1) The proponent shall submit the feasibility report by involving the reputed research institutions such as Suganthi Devadason Marine Research Institute (SDMRI), Thoothukudi (or) IIT Madras – Dept of Ocean Engineering, on removal of the longstanding & existing Breakwater mound which includes the methodology of removal, Disposal of waste materials, Cost Benefit Analysis, the environmental impacts during the excavation and checking the manoeuvrability studied by reputed institutions like The Central Water and Power Research Station (CWPRS), Pune.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

- 2) Study Alternative site and methodology and also explore the possibilities of using submerged dykes instead of Groynes.
- 3) A study shall be conducted to identify the location of dredged material dumpsite. The EIA report shall include the coordinates of dumpsite and reclamation.
- 4) Constant dredging must be carried out in the area in order to prevent silting and a permanent dredger must be provided and data regarding quantity of silt dredged shall be furnished.
- 5) One of the major environmental issues concerning the project is that sea bed material will be dredged and the disposal mechanism shall be furnished. The characteristics of the dredged materials should be furnished along with the possible adverse impact of the same in the above feasibility study.
- 6) The proponent should ensure that the boats are maintained properly and also should ensure that there are no oil spillages.
- 7) The proponent should prepare a comprehensive line diagram in which all the facilities to be created should be marked. Then for each facility, the probable effluent generation and waste generation should be indicated with quantity and quality. Finally, the methodology for collection, treatment and reuse/disposal of the liquid and solid waste should be indicated. Specific attention should be paid to the marine discharges.
- 8) Within 10km radius all the parameters like air, sediment and biology including coastal ecology should be studied in detail.
- 9) The impact of dredging should be evaluated in detail with the comprehensive EIA report.
- 10) The sampling should be done in grid pattern and every one kilometre the samples (air, water, sediment and biological samples) within the 10km of radius.
- 11) Heavy metal studies in water and sediments shall be conducted.
- 12) The report should include the proposal for proper treatment for waste water generated from the fish handling platforms so as to ensure no

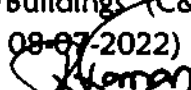
pollution to the ground water as well as the sea water from the harbour operation.

- 13) The proposal for disposal of solid wastes both municipal and fish related waste should be properly collected, treated and disposed.
- 14) The project proponent shall submit a comprehensive monitoring plan for coastal ecology covering coastal ecosystem and riverine system for both construction and operation period. All physical, chemical and biological parameters including plankton, productivity, benthic fauna and flora, fishery, etc shall be covered in monitoring plan. Monitoring during construction period will be on weekly basis and during the operational period on seasonal basis (4 times in a year, for a minimum of 5 years).
- 15) There should not any damage/ impact on these resources and associated biodiversity. The project proponent shall submit the detailed proposal to implement mangrove afforestation by involving reputed institution like Annamalai University (Marine Biology Centre) and a detailed plan with budget shall be prepared for Mangrove afforestation and monitoring for a period of minimum 5 years in consultation with the said institution and submit a copy of the same along with the EIA Report. The proponent shall also sign an MOU and submit a copy of the same along with EIA report
- 16) A study shall be conducted on reputed institutions like Annamalai University, etc the impact on the proposed fishing harbour on movement of turtles.
- 17) A detail study on impact of oil spillage from the operation of the harbour and its mitigation measures shall be part of EIA study.
- 18) Impact on the Distortion effects on the proposed expansion of the fishing harbour shall be part of EIA.
- 19) Impact on the clay deposition shall be studied.

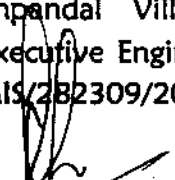
Agenda No: 310-11

(File No: 9386/2022)

Proposed Construction of New Building for Collectorate Building in S.F.Nos.158/3, 163, 164/1A, 164/1C, 164/3, 165/3 E2 and 166/1J10B in Mannampandal Village, Mayiladuthurai Taluk, Mayiladuthurai District, Tamil Nadu by M/s. Executive Engineer PWD/Buildings (C&M) - For Environmental Clearance (SIA/TN/MIS/282309/2022, dated 08-07-2022)


MEMBER SECRETARY
SEAC -TN

30


CHAIRMAN
SEAC - TN

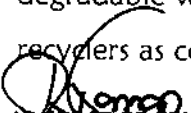
The proposal was placed in this 310th SEAC Meeting held on 14.09.2022. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

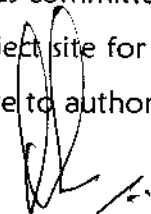
The project proponent gave detailed presentation. SEAC noted the following:

1. The Proponent, M/s. Executive Engineer, PWD, Buildings (C&M) Division has applied for Environmental Clearance for the Construction of New Building for Collectorate Building in S.F.Nos.158/3, 163, 164/1A, 164/1C, 164/3, 165/3 E2 and 166/1J10B in Mannampandal Village, Mayiladuthurai Taluk, Mayiladuthurai 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.

Based on the presentation and document 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 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.
2. The project proponent shall follow CPWD Green Building norms to the extent possible.
3. The project proponent shall maintain minimum 15% green belt as committed.
4. 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.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

5. The PP shall adopt air cooling HVAC system instead of water cooling system.
6. PP shall ensure that DG set operation will be updated to usage by Gas instead of Diesel.
7. The height of the stacks of DG sets shall be provided as per the CPCB norms.
8. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc. to TNPCB before obtaining CTO.
9. The proponent shall make proper arrangements for the utilization of the treated water from the proposed site for Toilet flushing, Green belt development, OSR, HVAC cooling tank and no treated water shall be let out of the premise.
10. The sludge generated from the Sewage Treatment Plant shall be collected and de-watered using filter press and the same shall be utilized as manure for green belt development after composting.
11. The proponent shall provide the separate wall between the STP and OSR area as per the layout furnished and committed.
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 area as per the norms for the public usage and as committed.

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.
22. The project proponent shall provide a medical facility, possibly with a medical officer in the project site for continuous monitoring the health of construction workers during COVID and Post - COVID period.
23. The project proponent shall measure the criteria air pollutants data (including CO) due to traffic again before getting consent to operate from TNPCB and submit a copy of the same to SEIAA.
24. Solar energy should be at least 25% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.
25. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020, the proponent shall adhere the EMP as committed.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

26.As accepted by the Project Proponent the CER cost is Rs.187 lakhs and the amount shall be spent for the committed activities to Government Girls Higher Secondary School, Mayiladuthurai.

Agenda No: 310-12
(File No: 9217/2022)

Proposed Expansion of Residential Building at S.F.No. 124/2B1, 2B2, 3A, 3B, 3C, 3D, 124/4A, 4B, 4C, 4D, 4E, 4F, 5A, 5B, 5C, 124/6, 7, 8A, 8B, 8C, 9, 10, 11, 12, 13, 124/14A, 14B, 15, 16A, 16C, 127/3, 4B, 130/15A, 15B, 15C of Polachery Viollage, Chengalpattu Taluk, Kanchipuram District, Tamil Nadu by M/s. Jain Housing and Constructions Ltd - For Environmental Clearance (SIA/TN/MIS/262482/2022 dated 25.03.2022)

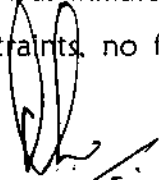
The proposal was placed in 310th meeting of SEAC held on 14.09.2022. The project proponent gave a detailed presentation. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s. Jain Housing and Constructions Ltd has applied for Environmental Clearance for Expansion of Residential Building at S.F.No. 124/2B1, 2B2, 3A, 3B, 3C, 3D, 124/4A, 4B, 4C, 4D, 4E, 4F, 5A, 5B, 5C, 124/6, 7, 8A, 8B, 8C, 9, 10, 11, 12, 13, 124/14A, 14B, 15, 16A, 16C, 127/3, 4B, 130/15A, 15B, 15C of Polachery Village, Chengalpattu Taluk, Kanchipuram District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 8(a) " Building and Construction projects " of the Schedule to the EIA Notification, 2006.
3. The total plot area available for the project is 38606.47 Sq.m and the total built-up area of the building proposed is 98937.34 Sq.m.
4. The proponent was issued with EC vide Lr. No.SEIAA/ TN/ F.500/EC/ 8(a)/250/ 2013 dated.04.03.2014 for plot area of 38606.47m² and built-up area 81070.03m² with Stilt + 4 floors in 16 blocks configuration.
5. Till date, only one block was constructed and another block was initiated, but due to poor market conditions coupled with financial constraints, no further progress was made on the project.


MEMBER SECRETARY
SEAC -TN

34


CHAIRMAN
SEAC- TN

6. With the market conditions showing signs of improvement, the project initialization is proposed along with the expansion of the earlier EC threshold.

Based on the presentation and document furnished by the project proponent, SEAC decided to call for the following details from the project proponent for further processing the proposal:

1. The project proponent shall obtain CTE from TNPCB for the constructed block and furnish the same.
2. The project proponent shall furnish a proper comparison statement clearly indicating the differences/variations between earlier EC proposal and the current proposal for expansion.
3. The project proponent shall furnish a commitment letter obtained from Thiruporur municipality for water supply.
4. The project proponent shall carry out cleaning works in the proposed project site and provide proofs for the same.
5. The project proponent shall develop green belt as proposed and provide proofs for the same.
6. The board of the project proponent company shall formulate and adopt an Environmental Policy and also create a senior position in the company to implement that policy.
7. The project proponent shall make arrangements in the OSR area or inside the site for storing the treated water in percolation pits, etc. so that the water is not let out from the site.

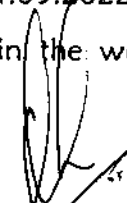
Agenda No: 310-13

(File No: 858/2013)

Proposed construction of group housing project comprising of residential flats at S.F.No. 145/1, 145/2, & 148/15 of Kilambakkam Village, Chengalpet Taluk, Kanchipuram District, Tamil Nadu by M/s. Ganapathi Leather Products Private Limited - For Environmental Clearance.

The proposal was placed in this 310th SEAC Meeting held on 14.09.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

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.

The committee noted that Project proponent was absent for the meeting. The PP shall furnish the reason for same.

Agenda No: 310-14

(File No: 9384/2022)

Proposed Multistoried Residential project at S.F. Nos. 34/3, 35/3, 36/1, 36/2, 37, 38, 39/1, 39/2, 39/3, 40, 41, 51/1, 51/2, 52/3, 53/2, 164/1, 164/2, 196, 197, 202/1, 203/1, 203/2, 203/3, 204/1, 204/2, 204/3, 204/4, 204/5, 205, 206/1, 206/2, 206/3, 207/1, 207/2, 221, 223/1 and 223/2 Mahindra World City , Paranur Village, Chengalpattu Taluk, Chengalpattu District, Tamil Nadu by M/s Ashiana Housing Limited - For Environmental Clearance. (SIA/TN/MIS/281315/2022 Dt. 02.07.2022)

The proposal was placed in this 310th SEAC Meeting held on 14.09.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

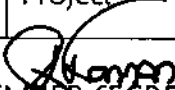
1. The project/activity is covered under Category "B2" of Item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006.

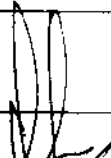
S. No	Description	Details
1.	Name of the Project	Proposed Multistoried Residential project with total built up area of 1,30,998.60 Sq.m" by M/s. Ashiana Housing Limited, Mahindra World City, Chengalpattu.
2.	Location	S.F. Nos. 34/3, 35/3, 36/1, 36/2, 37, 38, 39/1, 39/2, 39/3, 40, 41, 51/1, 51/2, 52/3, 53/2, 164/1, 164/2, 196, 197, 202/1, 203/1, 203/2, 203/3, 204/1, 204/2, 204/3, 204/4, 204/5, 205, 206/1, 206/2, 206/3, 207/1, 207/2, 221, 223/1 and 223/2 Mahindra World City , Paranur Village, Chengalpattu Taluk, Chengalpattu District, Tamil Nadu
3.	Type of Project	Building and Construction Projects Schedule 8 (a), Category "B2"


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

4.	Latitude & Longitude	<table> <tr> <th>S.No</th><th>Latitude</th><th>Longitude</th></tr> <tr><td>1.</td><td>12°43'30.163"N</td><td>79°59'33.373"E</td></tr> <tr><td>2.</td><td>12°43'28.373"N</td><td>79°59'33.413"E</td></tr> <tr><td>3.</td><td>12°43'26.622"N</td><td>79°59'33.607"E</td></tr> <tr><td>4.</td><td>12°43'24.967"N</td><td>79°59'34.603"E</td></tr> <tr><td>5.</td><td>12°43'23.764"N</td><td>79°59'35.405"E</td></tr> <tr><td>6.</td><td>12°43'23.648"N</td><td>79°59'33.743"E</td></tr> <tr><td>7.</td><td>12°43'22.812"N</td><td>79°59'33.127"E</td></tr> <tr><td>8.</td><td>12°43'22.9075"N</td><td>79°59'31.892"E</td></tr> <tr><td>9.</td><td>12°43'21.925"N</td><td>79°59'31.081"E</td></tr> <tr><td>10.</td><td>12°43'22.014"N</td><td>79°59'29.718"E</td></tr> <tr><td>11.</td><td>12°43'23.887"N</td><td>79°59'29.649"E</td></tr> <tr><td>12.</td><td>12°43'23.878"N</td><td>79°59'28.357"E</td></tr> <tr><td>13.</td><td>12°43'21.82"N</td><td>79°59'28.38"E</td></tr> <tr><td>14.</td><td>12°43'22.009"N</td><td>79°59'26.335"E</td></tr> <tr><td>15.</td><td>12°43'20.842"N</td><td>79°59'26.457"E</td></tr> <tr><td>16.</td><td>12°43'20.624"N</td><td>79°59'27.08"E</td></tr> <tr><td>17.</td><td>12°43'19.49"N</td><td>79°59'26.425"E</td></tr> <tr><td>18.</td><td>12°43'19.747"N</td><td>79°59'25.463"E</td></tr> <tr><td>19.</td><td>12°43'20.175"N</td><td>79°59'25.236"E</td></tr> <tr><td>20.</td><td>12°43'20.281"N</td><td>79°59'23.064"E</td></tr> <tr><td>21.</td><td>12°43'25.539"N</td><td>79°59'23.403"E</td></tr> <tr><td>22.</td><td>12°43'25.584"N</td><td>79°59'24.139"E</td></tr> <tr><td>23.</td><td>12°43'28.707"N</td><td>79°59'23.877"E</td></tr> <tr><td>24.</td><td>12°43'28.853"N</td><td>79°59'26.408"E</td></tr> <tr><td>25.</td><td>12°43'29.3"N</td><td>79°59'29.205"E</td></tr> </table>	S.No	Latitude	Longitude	1.	12°43'30.163"N	79°59'33.373"E	2.	12°43'28.373"N	79°59'33.413"E	3.	12°43'26.622"N	79°59'33.607"E	4.	12°43'24.967"N	79°59'34.603"E	5.	12°43'23.764"N	79°59'35.405"E	6.	12°43'23.648"N	79°59'33.743"E	7.	12°43'22.812"N	79°59'33.127"E	8.	12°43'22.9075"N	79°59'31.892"E	9.	12°43'21.925"N	79°59'31.081"E	10.	12°43'22.014"N	79°59'29.718"E	11.	12°43'23.887"N	79°59'29.649"E	12.	12°43'23.878"N	79°59'28.357"E	13.	12°43'21.82"N	79°59'28.38"E	14.	12°43'22.009"N	79°59'26.335"E	15.	12°43'20.842"N	79°59'26.457"E	16.	12°43'20.624"N	79°59'27.08"E	17.	12°43'19.49"N	79°59'26.425"E	18.	12°43'19.747"N	79°59'25.463"E	19.	12°43'20.175"N	79°59'25.236"E	20.	12°43'20.281"N	79°59'23.064"E	21.	12°43'25.539"N	79°59'23.403"E	22.	12°43'25.584"N	79°59'24.139"E	23.	12°43'28.707"N	79°59'23.877"E	24.	12°43'28.853"N	79°59'26.408"E	25.	12°43'29.3"N	79°59'29.205"E
S.No	Latitude	Longitude																																																																														
1.	12°43'30.163"N	79°59'33.373"E																																																																														
2.	12°43'28.373"N	79°59'33.413"E																																																																														
3.	12°43'26.622"N	79°59'33.607"E																																																																														
4.	12°43'24.967"N	79°59'34.603"E																																																																														
5.	12°43'23.764"N	79°59'35.405"E																																																																														
6.	12°43'23.648"N	79°59'33.743"E																																																																														
7.	12°43'22.812"N	79°59'33.127"E																																																																														
8.	12°43'22.9075"N	79°59'31.892"E																																																																														
9.	12°43'21.925"N	79°59'31.081"E																																																																														
10.	12°43'22.014"N	79°59'29.718"E																																																																														
11.	12°43'23.887"N	79°59'29.649"E																																																																														
12.	12°43'23.878"N	79°59'28.357"E																																																																														
13.	12°43'21.82"N	79°59'28.38"E																																																																														
14.	12°43'22.009"N	79°59'26.335"E																																																																														
15.	12°43'20.842"N	79°59'26.457"E																																																																														
16.	12°43'20.624"N	79°59'27.08"E																																																																														
17.	12°43'19.49"N	79°59'26.425"E																																																																														
18.	12°43'19.747"N	79°59'25.463"E																																																																														
19.	12°43'20.175"N	79°59'25.236"E																																																																														
20.	12°43'20.281"N	79°59'23.064"E																																																																														
21.	12°43'25.539"N	79°59'23.403"E																																																																														
22.	12°43'25.584"N	79°59'24.139"E																																																																														
23.	12°43'28.707"N	79°59'23.877"E																																																																														
24.	12°43'28.853"N	79°59'26.408"E																																																																														
25.	12°43'29.3"N	79°59'29.205"E																																																																														
5.	Total Plot/land Area (in sq. m)	Total Plot Area – 72843.4 (18.0 Acres)																																																																														
6.	Built up area	Proposed total built-up area – 1,30,998.60 Sq.m																																																																														
7.	Cost of Project	Rs. 320.51 Crores																																																																														


 MEMBER SECRETARY
 SEAC -TN


 CHAIRMAN
 SEAC-TN

8.

Total Built up area

The total built up area – 1,30,998.60 Sq.m

Detailed Built Up Area Statement

Details of Floor wise Built-up Area			
Block	Floor	Built up area (sq.m)	Total (Sq.m)
Phase -1	Ground floor	1905.8	32387.04
	First floor	1876.16	
	Typical floor -2 nd to 14th (1876.16 Sq.m x 13)	24390.08	
	Terrace Floor	276	
	Club	3899	
	Guard	40	
Phase - 2	Ground floor	1324.5	19487.38
	First floor	1264.92	
	Typical floor -2 nd to 14th (1264.92 Sq.m x 13)	16443.96	
	Terrace Floor	184	
	Temple	270	
Phase - 3	Ground floor	1905.8	28448.04
	First floor	1876.16	
	Typical floor -2 nd to 14th (1876.16 Sq.m x 13)	24390.08	
	Terrace Floor	276	
Phase - 4	Ground floor	1905.8	28448.04
	First floor	1876.16	
	Typical floor -2 nd to 14th (1876.16 Sq.m x 13)	24390.08	

			13)			
			Terrace Floor	276		
			Ground floor	1335.5		
			First floor	1264.9		
		Phase - 5	Typical floor -2 nd to 14th (1264.9 Sq.m x 13)	16443.7	21578.1	
			Terrace Floor	184		
			Care Homes	2350		
			Services Area	650	650	
			Total Built-up Area (Sq.m)		130998.6	
9.	Land Break up	Sl. No	Particular	Quantity (in Sq.m)	%	
		1	Plot area	72843.4 (18.0 Acres)	-	
		2	Water body	404.67 (0.10 Acres)	-	
		3	Net plot area	72438.73 (17.90 Acres)	100	
		4	Ground coverage	13488.58	18.62	
		5	Greenbelt area	19672.72	27.16	
		6	OSR	Nil	--	
		7	Road & Paved and other areas	29966.43	41.37	
		8	Parking Area	9311.00	12.85	
		9	Built up area	130998.60	----	
			FSI Area	124626.98	----	
10.	a) Water requirement KLD	Construction phase: 50 KLD (Source: Mahindra World City -MWC) Operation phase: Fresh & recycled water source: Mahindra World City Total water requirement – 882 kLD Fresh requirement – 498 kLD recycled water – 384 kLD				

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

11.	Quantity of Sewage KLD	Sewage Generation – 661 KLD									
12.	Mode of Disposal of treated sewage with quantity	Toilet Flushing – 246 KLD Greenbelt development – 138 KLD									
13.	Quantity of Solid Waste generated per day , Mode of treatment and Disposal of Solid Waste	<table border="1"> <thead> <tr> <th>Description</th><th>Quantity</th><th>Mode of Disposal</th></tr> </thead> <tbody> <tr> <td>Total municipal solid waste generated during the construction phase</td><td>35 Kg/day</td><td>It will be disposed through Local contractor</td></tr> <tr> <td>Total municipal solid waste generated during operation phase</td><td>2741.00 Kg/day (Organic-1641 Kg/d & Inorganic – 1100 kg/d)</td><td>Organic waste will be Collected, Segregated and disposed through Mahindra World City MSW site. Inorganic waste will be disposed through TNPCB authorized recyclers.</td></tr> </tbody> </table>	Description	Quantity	Mode of Disposal	Total municipal solid waste generated during the construction phase	35 Kg/day	It will be disposed through Local contractor	Total municipal solid waste generated during operation phase	2741.00 Kg/day (Organic-1641 Kg/d & Inorganic – 1100 kg/d)	Organic waste will be Collected, Segregated and disposed through Mahindra World City MSW site. Inorganic waste will be disposed through TNPCB authorized recyclers.
Description	Quantity	Mode of Disposal									
Total municipal solid waste generated during the construction phase	35 Kg/day	It will be disposed through Local contractor									
Total municipal solid waste generated during operation phase	2741.00 Kg/day (Organic-1641 Kg/d & Inorganic – 1100 kg/d)	Organic waste will be Collected, Segregated and disposed through Mahindra World City MSW site. Inorganic waste will be disposed through TNPCB authorized recyclers.									
14.	Power requirement	4943 kVA from Tamil Nadu Generation & Distribution Corporation Back-up power supply will be through DG sets – 2x500 kVA & 1x250 kVA with a stack height of 50m.									
15.	Details of D.G. set with	DG sets – 2x500 kVA & 1x250 kVA with a stack height of 50 m.									

	Capacity																			
16.	Details of Green Belt Area	19672.72sq.m																		
17.	Details of Parking Area	Parking Details <table border="1"> <thead> <tr> <th>Details</th><th>As DTCP Required (Nos)</th><th>Provided (Nos)</th></tr> </thead> <tbody> <tr> <td>Residential Car Parking Required</td><td>445</td><td>445</td></tr> <tr> <td>Visitor car Parking Required</td><td>45</td><td>45</td></tr> <tr> <td>Club car Parking Required</td><td>52</td><td>53</td></tr> <tr> <td>Scooter parking required</td><td>1152</td><td>1164</td></tr> <tr> <td>Total Parking (Car & Scooter)</td><td>1694</td><td>1707</td></tr> </tbody> </table>	Details	As DTCP Required (Nos)	Provided (Nos)	Residential Car Parking Required	445	445	Visitor car Parking Required	45	45	Club car Parking Required	52	53	Scooter parking required	1152	1164	Total Parking (Car & Scooter)	1694	1707
Details	As DTCP Required (Nos)	Provided (Nos)																		
Residential Car Parking Required	445	445																		
Visitor car Parking Required	45	45																		
Club car Parking Required	52	53																		
Scooter parking required	1152	1164																		
Total Parking (Car & Scooter)	1694	1707																		
18.	Provision for rain water harvesting	Total combined capacity of desilting tank and recharge pit required = 422.49 Cu.m Total combined capacity of one set of desilting tank and recharge pit = 26.25 Cu.m Total no.of desilting tank and recharge pit required = 16 nos																		
19.	EMP Cost (Rs.)	Capital Cost: 2.26 Crores & Recurring Cost: 0.175 Crores/Annum																		
20.	CER activities with the specific allocation of funds	Rs.1.5 Crores																		

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


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

1. The PP shall obtain IGBC gold rating for its construction activity.
2. The PP shall obtain NoC inundation certificate from PWD for flood including buffer zone before obtaining CTE.
3. The PP shall obtain lease registered for the remaining 2.26 acres before obtaining CTE.
4. During construction phase, waste water of 6 KLD shall be treated in 10 KLD mobile STP as committed and treated water will be used for gardening.
5. The project proponent shall dispose the sewage generated into existing common STP of Mahindra World City (MWC) and after treatment the treated sewage will be used for flushing (246KLD) and green belt (138 KLD) development within the project site and the remaining 211 KLD will be used for internal use of MWC.
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 without obtain necessary permission from competent authority.
8. 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.
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.
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 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.

14. 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.
15. The proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
16. 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.
17. 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.
18. No waste of any type to be disposed of in any other way other than as per the concerned regulations in force.
19. 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.
20. 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.
21. 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.
22. 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.

23. Generation of the solar/renewable energy should not be less than 25% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.

24. 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.

25. The Project Proponent stated that Rs.1.5Crore shall be spent as CER for lake restoration in consultation with PWD.

Agenda No: 310 - 15

(File No: 8849/2022)

Proposed Residential Building with 5 Towers & Combined Basement with total built up area- 1,80,451.39 Sq.m & Total Plot area of 28109.23 Sq.m at S.F.Nos.115/16 & 117 of Ramapuram Village, Maduravoyal Taluk and S.F.Nos. 22/1 & 23 Manapakkam village, Alandur Taluk, Chennai District, Tamil Nadu. by L&T Innovation Campus (Chennai) Limited - For Environmental Clearance. (SIA/TN/MIS/283639/2022, dated:21.07.2021)

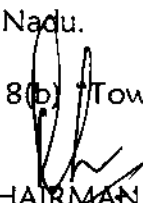
The proposal was placed for appraisal in this 310th meeting of SEAC held on 14.09.2022. The details of the project furnished by the proponent are available on the website (Parivesh.nic.in).

The SEAC noted the following:

1. ToR issued vide SEIAA Lr No. SEIAA-TN/F.No. 8849/SEAC/8(b)/ToR-1110/2021 dated: 21.03.2022.
2. The project proponent, M/s. L&T Innovation Campus (Chennai) Limited, has applied for Environmental Clearance for the proposed Residential Building with 5 Towers & Combined Basement with total built-up area- 1,80,451.39 Sq.m & Total Plot area of 28109.23 Sq.m at S.F.Nos.115/16 & 117 of Ramapuram Village, Maduravoyal Taluk and S.F.Nos. 22/1 & 23 Manapakkam village, Alandur Taluk, Chennai District, Tamil Nadu.
3. The project/activity is covered under Category "B" of Item 8(b) of Township


MEMBER SECRETARY
SEAC -TN

44

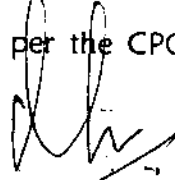

CHAIRMAN
SEAC - TN

and Area Development Projects" of the Schedule to the EIA Notification, 2006.

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

1. The Proponent shall furnish the detailed report on emission, noise and vibration due to the operations of DG sets as proposed and the same shall be furnished to TNPCB before obtaining CTO and copy submitted to SEIAA-TN.
2. The building shall conform to minimum of IGBC Gold green building norms and shall obtain IGBC certificate in this regard before obtaining CTO from TNPCB.
3. The PP shall adopt IGBC Net Zero Water System.
4. The PP shall obtain fresh water supply commitment letter and disposal of excess treated water from the local body for before obtaining CTO.
5. The project proponent shall provide STP of capacity 750 KLD and treated water shall be utilized for flushing and green belt as proposed.
6. The project proponent shall operate & maintain the STP provided for a minimum period of 10 years as committed before SEAC.
7. The project proponent shall furnish commitment letter from the adjacent Campus for utilization of excess treated sewage of 318 kLD for green belt purpose before obtaining CTO.
8. The PP shall analyse the treated wastewater samples periodically through TNPCB.
9. The treated/untreated sewage water shall not be let-out from the unit premises.
10. The proponent shall provide adequate organic waste disposal facility such as organic waste convertor waste within project site as committed and non- Biodegradable waste to authorized recyclers as committed.
11. The height of the stacks of DG sets shall be provided as per the CPCB norms.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

12. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc. To TNPCB before obtaining CTO.
13. The proponent shall make proper arrangements for the utilization of the treated water from the proposed site for Toilet flushing, Green belt development & OSR and no treated water be let out of the premise.
14. The sludge generated from the Sewage Treatment Plant shall be collected and de-watered using filter press and the same shall be utilized as manure for green belt development after composting.
15. The proponent shall provide the separate wall between the STP and OSR area as per the layout furnished and committed.
16. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix, in consultation with the DFO, State Agriculture. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
17. Taller/one year old saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner
18. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
19. The project proponent shall allot necessary area for the collection of E waste and strictly follow the E-Waste Management Rules 2016, as amended for disposal of the E waste generation within the premise.
20. The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes Management

- and Transboundary Movement) Rules, 2016, as amended for the generation of Hazardous waste within the premises.
21. No waste of any type to be disposed off in any other way other than the approved one.
 22. All the mitigation measures committed by the proponent for the flood management, to avoid pollution in Air, Noise, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.
 23. The project proponent shall furnish commitment for post-COVID health management for construction workers as per ICMR and MHA or the State Government guidelines as committed for during SEAC meeting.
 24. The project proponent shall provide a medical facility, possibly with a medical officer in the project site for continuous monitoring the health of construction workers during COVID and Post - COVID period.
 25. The project proponent shall measure the criteria air pollutants data (including CO) due to traffic again before getting consent to operate from TNPCB and submit a copy of the same to SEIAA.
 26. Utilization of the solar energy should not be less than 50% of total energy utilization. Out of it 25% shall be achieved immediately and remaining 25% shall be achieved within 5 years. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.
 27. That the grant of this E.C. is issued from the environmental angle only and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
 28. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020, the proponent shall include demolishing plan & its mitigation measures in the EMP and adhere the same as committed.
 29. 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.

30.As accepted by the Project Proponent an amount of Rs. 5.03 crore shall be spent as CER as committed before SEAC.

Agenda No: 310 - 16

(File No: 9379/2022)

Proposed Standalone Cement Grinding Plant with Cement Production Capacity of 2.0 MMTPA at S.F.No. 312/13 of Kattupalli Village, Ponneri Taluk, Tiruvallur District, Tamil Nadu by M/s. Chennai Cement Grinding Plant proposed by M/s. Adani Cement Industries Limited - For Terms of Reference.(SIA/TN/IND/70486/2021, dated:25.12.2021)

The proposal was placed for appraisal in this 310th meeting of SEAC held on 14.09.2022.

The details of the project furnished by the proponent are available on the website (Parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, M/s. Chennai Cement Grinding Plant proposed by M/s. Adani Cement Industries Limited, has applied for Terms of Reference for the proposed standalone Cement Grinding Plant with Cement Production Capacity of 2.0 MMTPA at S.F.No. 312/13 of Kattupalli Village, Ponneri Taluk, Tiruvallur District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 3(b) "Cement plants" – (All Stand-alone grinding units) of the Schedule to the EIA Notification,2006.

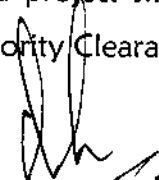
Based on the presentation and documents/clarifications furnished by the project proponent, SEAC after detailed deliberations, decided to **recommend the proposal for the grant of Terms of Reference (ToR) with Public Hearing**, subject to the following ToR in addition to the standard terms of reference for EIA study and details issued by the MoEF & CC to be included in EIA/EMP report:


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC - TN

1. The PP shall furnish a letter from DFO stating that proximity distance of RF, WLS, Tiger reserve, etc., within 25 Km radius from the proposed project site.
2. The PP shall obtain NBWL clearance since the Pulicat Bird Sanctuary is located 8.76 Km from the proposed site.
3. Clear village map, FMB sketch & A Register shall be furnished.
4. Ground water for industrial purpose to be phased out in 5 years. The industry to explore possibilities to meet the Water consumption for industrial purpose through treated sewage obtained from nearest local body/rain water harvesting.
5. The project proponent has to submit the reclassification certificate from unclassified land to Industrial Land for the proposed project from the competent Authority.
6. Details of fugitive emission and control measures shall be furnished.
7. Air modeling study shall be conducted for the CPCB parameters considering the impact on the proposed plant to the nearby village.
8. CER proposal shall be furnished as per the MOEF & CC OM dated: 01.05.2018.
9. A green belt plan at thick canopy shall be furnished all along the boundary at the proposed site along with name of the species, no. of species etc.,
10. The GPS co-ordinates for the boundaries at the green belt proposed & proposed project site shall be furnished separately.
11. It was noted that water bodies 1. Kosathalaiyar River (Western) – 0.5 Km, Buckingham Canal (Eastern) – adjoining site., Nallah (Southern) connecting (Kosathalaiyar River – Buckingham canal) – Adjoining Site, Waterbody the Northern side adjoining the site & Bay of Bengal – 1.99 km.
 - i) NOC from PWD for inundation point of view in regard to 2015 flood level.
 - ii) CRZ Clearance under CRZ Notification, 2011.
 - iii) Details of Wetlands within/around the proposed project site. If any, the PP Shall obtain NOC from Wetland authority Clearance.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

- iv) Details of salt pan lands within/around the proposed project site. If any, the PP Shall obtain NOC from the competent authority.
 - v) Details of mode & frequency of transport of raw materials & products and details of approach road/transportation route connecting the proposed project site considering water bodies surrounding the proposed project site.
 - vi) Details of flora & fauna in and around the proposed project site considering water bodies (River, Canal, Nallah, Marsh land, Mangroves, Swamps, Wetlands etc.).
 - vii) Details of gradient and slope of the proposed project site. Accordingly, the PP shall submit Storm water management in regard to 2015 flood with details of water logging level during monsoon season.
12. Details of vegetation present within/around the proposed project site and details of transplantation / cutting of trees / afforestation & the details of proposed green belt with native species.
13. Impacts of Natural disasters such flood, Tsunami, Cyclone etc considering climate change scenario.
14. Details 2 nos. of alternate site for the proposed activity and comparison statement of details environmental settings around/within the alternate sites.

Standard Terms of Reference

- 1) Executive Summary
- 2) Introduction
 - i. Details of the EIA Consultant including NABET accreditation
 - ii. Information about the project proponent
 - iii. Importance and benefits of the project
- 3) Project Description
 - i. Cost of project and time of completion.
 - ii. Products with capacities for the proposed project.
 - iii. If expansion project, details of existing products with capacities and

whether adequate land is available for expansion, reference of earlier EC if any.

- iv. List of raw materials required and their source along with mode of transportation.
- v. Other chemicals and materials required with quantities and storage capacities
- vi. Details of Emission, effluents, hazardous waste generation and their management.
- vii. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract)
- viii. Process description along with major equipments and machineries, process flow sheet (quantities) from raw material to products to be provided
- ix. Hazard identification and details of proposed safety systems.
- x. Expansion/modernization proposals:
 - a. Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MOEF/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing / existing operation of the project from SPCB shall be attached with the EIA-EMP report.
 - b. In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification, 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.

4) Site Details


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

- i. Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.
- ii. A top sheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)
- iii. Details w.r.t. option analysis for selection of site
- iv. Co-ordinates (lat-long) of all four corners of the site.
- v. Google map-Earth downloaded of the project site.
- vi. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- vii. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- viii. Landuse break-up of total land of the project site (identified and acquired), government/ private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)
- ix. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area
- x. Geological features and Geo-hydrological status of the study area shall be included.
- xi. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
- xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xiii. R&R details in respect of land in line with state Government policy

5) Forest and wildlife related issues (if applicable):


MEMBER SECRETARY
SEAC -TN

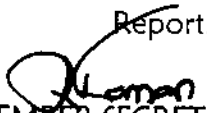
52

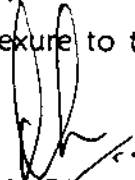

CHAIRMAN
SEAC - TN

- i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable)
- ii. Land use map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha).
- iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
- iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon.
- v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area
- vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.

6) Environmental Status

- i. Determination of atmospheric inversion level at the project site and site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
- ii. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO2, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
- iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQQM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

- iv. Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.
- v. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.
- vi. Ground water monitoring at minimum at 8 locations shall be included.
- vii. Noise levels monitoring at 8 locations within the study area.
- viii. Soil Characteristic as per CPCB guidelines.
- ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
- x. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
- xi. Socio-economic status of the study area.

7) Impact and Environment Management Plan

- i. Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
- ii. Water Quality modelling - in case of discharge in water body
- iii. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor-cum-rail

transport shall be examined.

- iv. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.
- v. Details of stack emission and action plan for control of emissions to meet standards.
- vi. Measures for fugitive emission control
- vii. Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
- viii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
- ix. Action plan for the green belt development plan in 33 % area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
- x. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
- xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
- xii. Action plan for post-project environmental monitoring shall be submitted.
- xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.

8) Occupational health

- i. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers
- ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of the same. Details regarding last month analyzed data of above mentioned parameters as per age, sex, duration of exposure and department wise.
- iii. Details of existing Occupational & Safety Hazards. What are the exposure levels of hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,
- iv. Annual report of health status of workers with special reference to Occupational Health and Safety.

9) Corporate Environment Policy

- i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
- ii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
- iii. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
- iv. Does the company have system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report

10) Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to

be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.

11) Enterprise Social Commitment (ESC)

1. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.

12) Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.

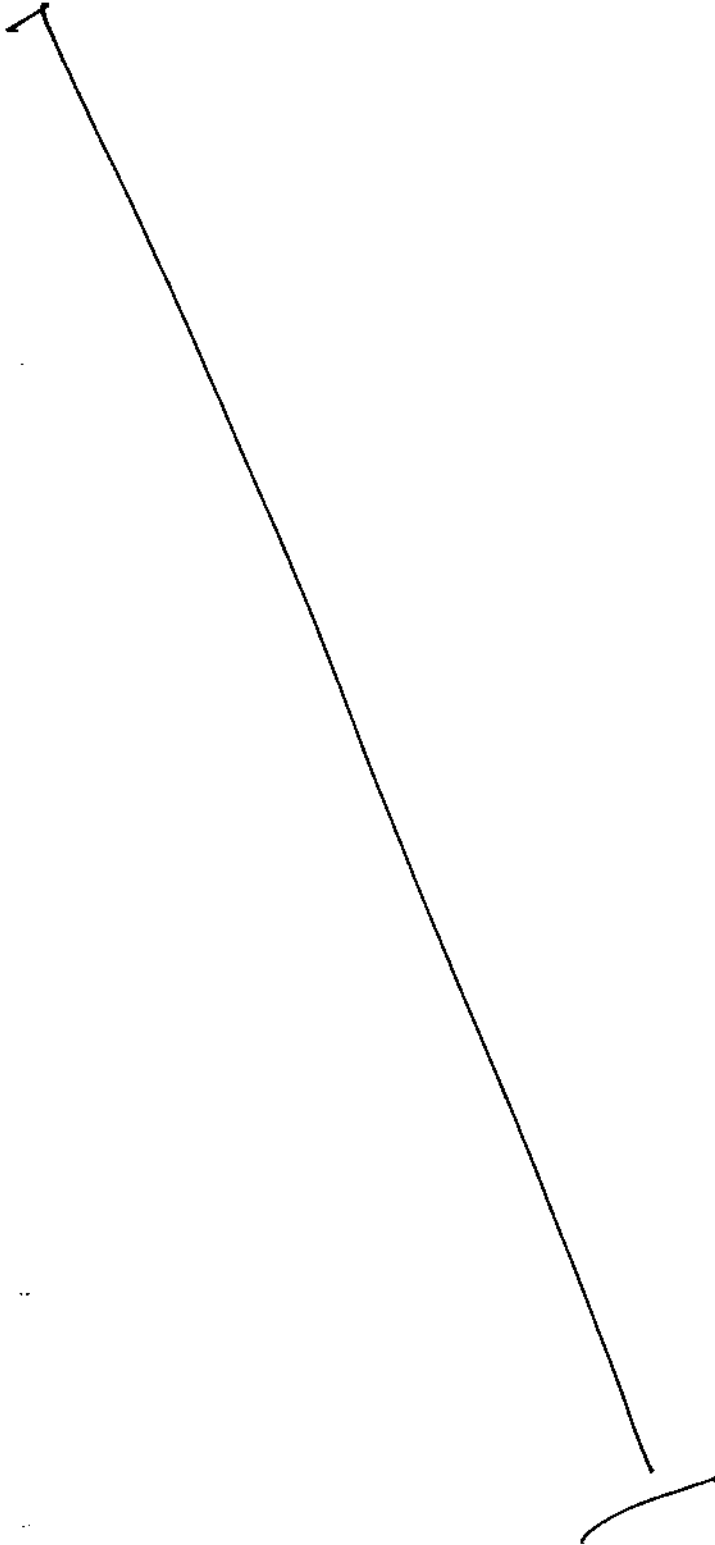
13) A tabular chart with index for point wise compliance of above TOR.

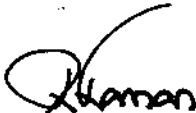
B. SPECIFIC TERMS OF REFERENCE FOR EIA STUDIES FOR CEMENT PLANTS

1. Limestone and coal linkage documents along with the status of environmental clearance of limestone and coal mines
2. Quantum of production of coal and limestone from coal & limestone mines and the projects they cater to;
3. For large Cement Units, a 3-D view i.e. DEM (Digital Elevation Model) for the area in 10 km radius from the proposal site.
4. Present land use shall be prepared based on satellite imagery. High-resolution satellite image data having 1m-5m spatial resolution like quick bird, Icons, IRS P-6 pan sharpened etc. for the 10 Km radius area from proposed site. The same shall be used for land used/land-cover mapping of the area.
5. If the raw materials used have trace elements, an environment management plan shall also be included.
6. Plan for the implementation of the recommendations made for the cement plants in the CREP guidelines must be prepared.
7. Energy consumption per ton of clinker and cement grinding
8. Provision of waste heat recovery boiler
9. Arrangement for use of hazardous waste.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN




MEMBER SECRETARY
SEAC - TN


CHAIRMAN
SEAC- TN

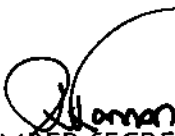
Appendix -I
List of Native Trees Suggested for Planting

No	Scientific Name	Tamil Name	Tamil Name
1	<i>Aegle marmelos</i>	Vilvam	வில்வம்
2	<i>Adenanthera pavonina</i>	Manjadi	மஞ்சாடி ஆனைக்குன்றம்
3	<i>Albizia lebbek</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Usil	உசில்
5	<i>Bauhinia purpurea</i>	Mantharai	மந்தாரை
6	<i>Bauhinia racemosa</i>	Aathi	ஆத்தி
7	<i>Bauhinia tomentosa</i>	Iruvathi	இருவாத்தி
8	<i>Buchanania axillaris</i>	Kattuma	காட்டாமா
9	<i>Borassus flabellifer</i>	Panai	பனை
10	<i>Butea monosperma</i>	Murukkamarai	முருக்கமரம்
11	<i>Bobax ceiba</i>	Ilavu, Sevvilavu	இலவு
12	<i>Calophyllum inophyllum</i>	Punnai	புன்னை
13	<i>Cassia fistula</i>	Sarakondrai	சரக்கொன்றை
14	<i>Cassia torburchii</i>	Sengondrai	செங்கொன்றை
15	<i>Chloroxylon swietenia</i>	Purasamaram	புரச மரம்
16	<i>Codiloperium religiosum</i>	Kongu, Marjallavu	கோங்கு, மஞ்சள் தூவ
17	<i>Cordia dichotoma</i>	Naruvuli	நருவுளி
18	<i>Crotera adansoni</i>	Mavalingum	மாவிலங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உசா
20	<i>Dillenia pentagyna</i>	SiruUva, Sitruzha	சீரு உசா
21	<i>Diospyros ebenum</i>	Karungali	கருங்காலி
22	<i>Diospyros schloroxylon</i>	Vaganai	வாகை
23	<i>Ficus amplicoma</i>	Kallchi	கல் இச்சி
24	<i>Hibiscus tiliaceus</i>	Aatrupoovarasu	ஆற்றுப்புலக
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயா மரம், ஆயில்
27	<i>Lamaca ceromandolica</i>	Odhiam	ஒதியம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottaimaram	நெய் கொட்டை மரம்
30	<i>Limonia acidissima</i>	Vila maram	வில்ல மரம்
31	<i>Litsea glutinosa</i>	Pisinpattai	அம்பா பிச்சிப்பட்டை
32	<i>Madhuca longifolia</i>	Illuppai	இலுப்பை
33	<i>Manilkara hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழ்மரம்
35	<i>Mitrasyna parvifolia</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுணா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெள்ளை நுணா
38	<i>Phoenix sylvestre</i>	Eachai	எச்சமரம்
39	<i>Pongamia pinnat</i>	Pungam	பங்கம்

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC - TN

40	<i>Premna mollissima</i>	Munmai	முன்னை
41	<i>Premna serratifolia</i>	Narumunmai	நறு முன்னை
42	<i>Premna tomentosa</i>	Malapoovarasu	மலை பூவரசு
43	<i>Prosopis cinerea</i>	Vanni maram	வன்னி மரம்
44	<i>Pterocarpus marsupium</i>	Vengai	வேங்கை
45	<i>Pterospermum canescens</i>	Vennangu, Tada	வேண்ணாங்கு
46	<i>Pterospermum xylocarpum</i>	Polavu	பலவு
47	<i>Puthanyia roxburghii</i>	Karipala	கற்பலா
48	<i>Salvadora persica</i>	Ugaa Maram	ஊகா மரம்
49	<i>Sapindus emarginatus</i>	Manipungan, Soapukai	மணிப்பங்கன் சோப்புக்காய்
50	<i>Saraca asoca</i>	Asoca	அசோகா
51	<i>Streblus asper</i>	Piray maram	பிராய் மரம்
52	<i>Strychnos nuxvomica</i>	Yetti	எட்டி
53	<i>Strychnos potatorum</i>	Therthang Kottai	தேத்தான் கோட்டை
54	<i>Syzygium cumini</i>	Naval	நாவல்
55	<i>Terminalia bellerica</i>	Thandri	தாண்ட்ரி
56	<i>Terminalia arjuna</i>	Ven marudhu	வேன் மருது
57	<i>Toona ciliata</i>	Sandhana vembu	சந்தன வேம்பு
58	<i>Thespesia populnea</i>	Puvarasu	பூவரசு
59	<i>Walsuratrifoliata</i>	valsura	வால்குரா
60	<i>Wrightia tinctoria</i>	Veppalai	வேப்பாலை
61	<i>Pithecellobium dulce</i>	Kodukkapuli	கோடுக்காப்பள்ளி


MEMBER SECRETARY
SEAC - TN


CHAIRMAN
SEAC - TN

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

-----கரங்கம்

கரங்கங்களில் குவாரி செயல்பாடுகளுக்கான சுற்றுச்சூழல் அனுமதி கீழ்க்கண்ட நிபந்தனைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது SEAC-TN, தேதியிடப்பட்டு சுற்றுச்சூழல் அனுமதி தேதி வரை செல்லத்தக்கதாக உள்ளது.

பகைம பகுதி வளர்ச்சி	குவாரியின் எல்லையைச் சுற்றி வேலி அமைக்க வேண்டும்
மேம்பாட்டுக்கான கரங்கத் திட்டம்	கரங்கப்பாளையின் ஆழம் தளமாட்டத்திலிருந்து மீட்டர்க்கு மிகமல் இருக்க வேண்டும்
நடப்பட்டு	காற்றில் மாக ஏற்படாதவாறு கரங்க பணிகளை மேற்கொள்ள வேண்டும்.
பராமரிக்கப்பட வேண்டிய மரங்கள் எண்ணிக்கை:	வாகனங்கள் செல்லும் பாதையில் மாக ஏற்படாத அளவிற்கு தண்ணீரை முறையாக தண்ணீர் லாரிகளின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும்.
	இரைச்சல் அளவையும் டூசி மாகபாட்டையும் குறைப்பதற்காக குவாரியின் எல்லையை சுற்றி அடர்த்தியான பகைம பகுதியை ஏற்படுத்த வேண்டும்.
	கரங்கத்தில் வெடி வைக்கும்பொழுது நில அதிர்வுகள் ஏற்படாதவாறும் மற்றும் சுறகை பறக்காதவாறும் பாதுகாப்பு நடவடிக்கைகளை உன்னிப்பாக செயல்படுத்தப்பட வேண்டும்
	கரங்கத்தில் இருந்து ஏற்படும் இரைச்சல் அளவு 85 டிபிபிஎல் (dBA) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற்கொள்ள வேண்டும்.
	கரங்க சட்ட விதிகள் 1955ன் கீழ் கரங்கத்தில் உள்ள பணியாளர்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு க்காதாரமுள்ள கழிப்பறை வசதிகளை செய்து தர வேண்டும்.
	கிராமம் அல்லது பஞ்சாயத்து வட்டியாக வாகனங்கள் செல்லும் சாலைகளைத் தொடர்ந்து நன்கு பராமரிக்க வேண்டும்.
	கரங்கப்பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் நீர்நிலைகள் பாதிக்கப்படக் கூடாது.
	நீர்நிலைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வகையில் நிலத்தடி நீரின் தரத்தினைத் தொடர்ந்து கண்காணிக்க வேண்டும்.
	கரங்கத்திலிருந்து கனிம பொருட்களை எடுத்துச் செல்வது கிராம மக்களுக்கு எந்தத் கிரமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் சுற்றுச்சூழல் பாதிக்கவாத வண்ணம் வாகனங்களை இயக்க வேண்டும்.
	கரங்கப்பணிகள் முடிக்கப்பட்டவுடன் கரங்க மூடல் திட்டத்தில் உள்ளவாறு கரங்கத்தினை மூட வேண்டும்.
	கரங்க நடவடிக்கைகளை முடித்தபின்னர் கரங்கப் பகுதி மற்றும் கரங்க நடவடிக்கைகளால் இடையூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்து தாவரங்கள் விலங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பகைமப்பகுதியை உருவாக்க வேண்டும்.
	பகுதியைப் பிடித்தவர்களை அறிய பாரிவேஷம் (www.pavesh.net) என்கிற இணையதளத்தைப் பார்வையிடவும் மேலும் எந்தவித சுற்றுச்சூழல் சார்ந்த புகார்களுக்கும் சென்னையில் உள்ள சுற்றுச்சூழல் மற்றும் வன அமைச்சகத்தின் ஒருங்கிணைந்த வட்டார அலுவலகம்: 044 - 28222325 (அல்லது) தமிழ்நாடு மாக கட்டுப்பாட்டு வாரியத்தின் மாவட்ட சுற்றுச்சூழல் பொரியாளரை அணுகவும்


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN