

STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of 321st meeting of the State Expert Appraisal Committee (SEAC) held on 14.10.2022 September 2022 (Friday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects.

Agenda No. 321 - 01.

File No.9414 /2022

Proposed construction of residential development at S.F.No 311/1A1 of Sholinganallur Village, Sholinganallur Taluk, Chennai District, Tamilnadu by M/s. DAC Developers Private Limited – For Environmental Clearance. (SIA/TN/MIS/281557/2022) Dt:04.07.2022.

The proposal was placed in the 321st SEAC Meeting held on 14.10.2022. The details of the minutes are available in the website (parivesh.nic. in).

The SEAC noted the following:

1. The Proponent, M/s. DAC Developers Private Limited has applied for Environmental Clearance for the Proposed construction of residential development at S.F.No 311/1A1 of Sholinganallur Village, Sholinganallur Taluk, Chennai District, Tamilnadu.
2. The project/activity is covered under category “B” of Item 8 (a) “Building and Construction” of the schedule to the EIA Notification,2006.
3. Total Plot area proposed - 4500.37 Sqm. The total built-up area proposed - 28121 Sqm. ((Extended Basement floor + stilt floor + 12 floors + 13th floor part residential building with 163 dwelling unit and Club house & swimming pool at 13th floor level) -Dwelling unit – 163 Nos.)

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

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

2. The building shall conform to minimum of IGBC GOLD building norms


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and shall obtain IGBC GOLD certificate in this regard before obtaining CTO from TNPCB.

3. The PP shall adopt IGBC Net Zero Water System.
4. The PP shall strictly adhere to the NOC on inundation point of view obtained from Public Works Department / Water Resource Department dt: 12.10.2022.
5. The PP shall obtain fresh water supply commitment letter and disposal of excess treated water from the CMWSSB for before obtaining CTO.
6. The project proponent shall provide adequate capacity of STP and treated sewage shall be utilized for flushing and green belt as proposed and committed after meeting the standards prescribed TNPCB time to time.
7. The project proponent shall install STP on 'BOT' basis to build, operate & maintain the STP for a minimum period of 10 years as committed before SEAC.
8. The project proponent shall furnish commitment letter (or) an agreement executed with the competent authority/ authorized representative for utilization of excess treated sewage for avenue plantation as committed for green belt purpose before obtaining CTO.
9. The PP shall analyse the treated wastewater samples periodically through TNPCB.
10. The treated/untreated sewage water shall not be let-out from the unit premises.
11. The proponent shall provide adequate organic waste disposal facility such as organic waste convertor waste within project site as committed and non- Biodegradable waste to authorized recyclers as committed.
12. The height of the stacks of DG sets shall be provided as per the CPCB norms.
13. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc. To TNPCB before obtaining CTO.
14. 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.

15. 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.
16. The proponent shall provide the separate wall between the STP and OSR area as per the layout furnished and committed.
17. 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.
18. 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
19. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
20. The project proponent shall allot necessary area for the collection of E waste and strictly follow the E-Waste Management Rules 2016, as amended for disposal of the E waste generation within the premise.
21. 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.
22. No waste of any type to be disposed off in any other way other than the approved one.
23. 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.

24. 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.
25. 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.
26. 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.
27. PP shall produce a minimum of 50% of total energy demand by way of renewable energy, out of which 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.
28. 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.
29. 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.
30. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 accepted by the Project proponent, the revised CER cost is Rs. 75 Lakhs and the amount shall be spent in Govt Hr Sec School Madambakkam for the committed activities before obtaining CTO from TNPCB.


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Agenda No. 321 - 02.

File No.9417 /2022

Proposed construction of Residential Group Development at S.F.No 162/2, 163/2 of Veerakeralam Village, Perur Taluk, Coimbatore District, Tamilnadu by M/s. Radiance Realty Developers India Limited (Thiru.K. Vijayakumar)– For Environmental Clearance. (SIA/TN/MIS/283639/2022) Dt:21.07.2022.

The proposal was placed in the 321st SEAC Meeting held on 14.10.2022. The details of the minutes are available in the website (parivesh.nic. in).

The SEAC noted the following:

1. The Proponent, M/s. Radiance Realty Developers India Limited (Thiru.K. Vijayakumar) has applied for Environmental Clearance for the Proposed construction of Residential Group Development at S.F.No 162/2, 163/2 of Veerakeralam Village, Perur Taluk, Coimbatore District, Tamilnadu.
2. The project/activity is covered under category “B” of Item 8 (a) “Building and Construction” of the schedule to the EIA Notification,2006.
3. Total plot area available is 45082.71 Sq.m and total built up area of about 36699.52 Sq.m (Villas – 125 Nos. (G+2F)

The proposal was placed for appraisal 321st SEAC Meeting held on 14.10.2022. It was noted that project proponent was absent for the appraisal. Hence, the SEAC has decided to call for explanation of the PP for not attending the meeting.

Agenda No. 321 - 03.

File No. 9346/2022

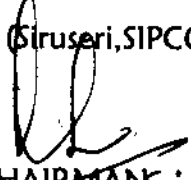
Proposed construction of Hospital building in S.No. 107/1 & 108(Pt) of Kazhipathur Village; S.No. 52(Pt) & 40/8(Pt) Egattur Village, Thiruporur Taluk, Chengalpattu District, Tamilnadu M/s. Hablis Hospitals – For Environmental Clearance. (SIA/TN/MIS/279016/2022) Dt:20.06.2022.

The proposal was placed in the 321st SEAC Meeting held on 14.10.2022. The details of the minutes are available in the website (parivesh.nic. in).

The SEAC noted the following:

1. The Proponent, M/s. Hablis Hospitals has applied for Environmental Clearance for the Proposed construction of Hospital building in S.No. 107/1 & 108(Pt) of Kazhipathur Village; S.No. 52(Pt) & 40/8(Pt) Egattur Village, (Siruseri,SIPCOT), Thiruporur Taluk, Chengalpattu District, Tamilnadu.


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2. The project/activity is covered under category "B" of Item 8 (a) "Building and Construction" of the schedule to the EIA Notification, 2006.
3. Total plot area is 9639.65 Sqm and the total built-up area is 74103.81 Sqm (construction of hospital building with double Basement (Basement 1 & Basement 2) + Ground + 11 floors).

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 proponent shall ensure to provide 50% of DG sets as CNG/green energy sources based as committed.
3. The building shall conform to minimum of GRIHA GOLD green building norms and shall obtain GRIHA GOLD certificate in this regard before obtaining CTO from TNPCB.
4. The PP shall obtain fresh water supply commitment letter and disposal of excess treated water from the SIPCOT for before obtaining CTO from TNPCB.
5. The project proponent shall provide STP of capacity 200 KLD & ETP of 45 KLD and treated waste water shall be utilized for HVAC, Toilet flushing and green belt as proposed as proposed and committed after meeting the standards prescribed TNPCB time to time.
6. The project proponent shall install STP on 'BOT' basis to build, operate & maintain the STP for a minimum period of 10 years as committed before SEAC.
7. The PP shall analyse the treated sewage/wastewater samples periodically through TNPCB.
8. The treated/untreated sewage/effluent water shall not be let out from the unit premises.

9. 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.
10. The height of the stacks of DG sets shall be provided as per the CPCB norms.
11. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc. To TNPCB before obtaining CTO from TNPCB.
12. 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.
13. 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.
14. The proponent shall provide the separate wall between the STP and OSR area as per the layout furnished and committed.
15. The PP shall construct a pond of appropriate size in the earmarked OSR land in consultation with the local body. The pond should be modelled like a temple tank with parapet walls, steps, etc. The pond is meant to play three hydraulic roles, namely (1) as a storage, which acted as insurance against low rainfall periods and also recharges groundwater in the surrounding area, (2) as a flood control measure, preventing soil erosion and wastage of runoff waters during the period of heavy rainfall, and (3) as a device which was crucial to the overall eco-system.
16. The 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 25% of total energy utilization. Application of solar energy should be utilized maximum for

illumination of common areas, street lighting etc.

27. That the grant of this E.C. is issued from the environmental angle only and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
28. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020, the proponent shall include demolishing plan & its mitigation measures in the EMP and adhere the same as committed.
29. As accepted by the Project Proponent an amount of Rs. 1 Crore shall be spent to provide free medical treatment for transgender community , including Gender Reassignment Surgeries and other related services such as diagnostics and counselling by building the appropriate infrastructure, expertise and services to the tune of Rs. 1,00,00,000/- (Rupees One Crore Only) in the proposed Hablis Hospital at Siruseri as CER as committed before SEAC before obtaining CTO TNPCB.

Agenda No: 321-04

(File No: 8802/2021)

Proposal seeking EC for the Proposed Modernization of Hospital at S.F.Nos : 240/6, 240/7B, 240/8B, 240/8C, 240/9A, 240/9B, 240/10, 242/3A, 242/5A, 243/1, 243/2, 243/3, 243/4, 243/5, 245/1, 245/2, 245/3, 245/4A, 245/4B, 245/5A, 245/5B, 245/5C, 245/5D, 245/6A, 245/6B, 245/6D, 252/5A, 252/5B, 252/5C, 252/5D, 252/5E, 252/5F, 252/6D, 255/1A, 255/2A1, 255/2B2, 255/2C, 255/2D1, 256, 257/1A, 257/1B, 257/1C, 257/1D, 257/1E, 232/5 & 232/6A, in Irungalur Village, Manachanallur Taluk, Tiruchirapalli District, Tamil Nadu by M/s. SRM Institute of Science & Technology (Hospital)- For Environmental Clearance (SIA/TN/MIS/229424/2021, dated 18.09.2021).

The proposal was earlier placed in 258th, 262nd, 271st and 307th meetings of SEAC. The details of the project furnished by the proponent are available on the webportal (parivesh.nic.in).

SEAC noted the following

1. The proposed quarry/activity is covered under Category "B2" of Item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006, as amended.
2. The Project activity includes proposed Modernization of Hospital Block – 1 no.,


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(Ground Floor, First Floor, Second Floor, Third Floor, Fourth Floor, Fifth Floor and Sixth Floor each), Power Room 1 (Ground Floor) and increasing the total bed capacity from 750nos. to 1575 nos.

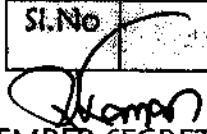

Based on the presentation made, documents and clarification furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for increasing the total bed capacity from 750 nos. to 1575 nos. subject to the conditions stated therein.

Subsequently the subject was placed before the Authority in its 556th meeting held on 20.09.2022. The Authority noted that the subject was placed in the 307th meeting of SEAC held on 27.08.2022. SEAC has furnished its recommendations to the Authority for granting Environmental Clearance for the project subject to the conditions stated therein. The Authority further noted that the proponent has filed more than one application seeking EC/ToR bearing different SEIAA File Nos. for the same project as listed below:

- a. 6360-62684-DELISTED (filed in 2017)
- b. 195674-WITHDRAW EC
- c. 8421-200664-EC-DELISTED
- d. 8802-229424-EC-THIS FILE
- e. 9080-72970-AUTO TOR-GRANTED (293 SEAC-DEFER)

After detailed deliberations, the Authority decided to request the Member Secretary, SEIAA to refer back the subject to SEAC to seek clarification from the proponent as to why so many files are being dealt. The history, sequence and chronology of actions on each of the file above may be obtained to ascertain the status of the present file. It may also be ascertained if there have been violations, if any, to consider their request on this current file. The objective and intention of each of this file may be ascertained and recommended as per status.

The subject was placed in the 321st meeting of Authority held on 14.10.2022. The Committee noted the reply furnished by the Proponent for the queries raised by SEIAA.

Sl.No	Query	Reply
		
MEMBER SECRETARY SEAC -TN	10	CHAIRMAN SEAC- TN

a	6360-62684-Delisted (Filed in 2017) Proposal No. SIA/TN/NCP/62684/2017	Environmental Clearance obtained (Letter No. SEIAA/TN/ F.484/2012/6360/2017/EC/8(a)/ 558/2018, dated 22.01.2018).
b	195674-Withdraw EC Proposal No. SIA/TN/MIS/195674/2021. Master Proposal Number. SW/195673/2021.	The application withdrawn (Letter dated 01-03-2021).
c	8421-200664-EC Delisted Proposal No. SIA/TN/MIS/200664/ 2021EC-Delisted Master Proposal No. SW/200662/2021.	Since it is an institutional activity, which is exempted from obtaining Environmental Clearance as per SEIAA order (Lr.No.SEIAA-TN F.No.8421/2021 dated 25-06 2021).
d	8802-229224-EC This File Proposal No. SIA/TN/MIS/200664/2021 EC-Delisted Master Proposal No. SW/200662/2021	Present File. Recommended for Environmental Clearance in the previous meeting
e	9080-72970-AUTO TOR GRANTED (293 SEAC-DEFER) Proposal No. SIA/TN/MIS/72970/2022 -TOR Granted. (SEAC DEFER)	Since it is an educational institution and Students Hostel, which is Exempted from Environmental Clearance Vide Reference No; S.O. 3252(E) dated 22.12.2014. Irrespective of the total built up, therefore, we have decided to withdraw the proposal.

In view of the above, the Committee decided to reiterate its recommendation already made with the remark that the explanation of the PP above may be accepted and PP's request to withdraw the aforesaid additional applications filed may also be accepted.


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Agenda No: 321-05

(File No: 9200/2022)

Proposed Construction of Residential Cum Commercial Building Complex in S.F. Nos. 399/1A, 399/1B, 399/1C, 399/1D, 399/1E, 399/1F, 399/3B, 418/1A, 418/1B, 418/1C & 418/1D2 of Kuthambakkam Village, Poonamallee Taluk, Thiruvallur District by M/s. Shriram Properties Limited for Environmental Clearance (SIA/TN/MIS/268786/2022 Dated 21.04.2022)

The proposal was placed in this 321st Meeting of SEAC held on 14.10.2022. 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 made the following observations:

1. The Project/activity 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 Residential Cum Commercial Building Complex by M/s. Shriram Properties Limited															
2.	Location	S.F.Nos. 399/1A, 399/1B, 399/1C, 399/1D, 399/1E, 399/1F, 399/3B, 418/1A, 418/1B, 418/1C & 418/1D2 of Kuthambakkam Village, Poonamallee Taluk, Thiruvallur District, Tamil Nadu.															
3.	Type of Project	Building and Construction Projects Schedule 8 (a), Category "B"															
4.	Latitude & Longitude	<table><tr><th>S.No</th><th>Latitude</th><th>Longitude</th></tr><tr><td>1</td><td>13°2'58.87"N</td><td>80°1'21.41"E</td></tr><tr><td>2</td><td>13°2'52.45"N</td><td>80°1'19.60"E</td></tr><tr><td>3</td><td>13°2'50.86"N</td><td>80°1'27.06"E</td></tr><tr><td>4</td><td>13°2'55.79"N</td><td>80°1'28.82"E</td></tr></table>	S.No	Latitude	Longitude	1	13°2'58.87"N	80°1'21.41"E	2	13°2'52.45"N	80°1'19.60"E	3	13°2'50.86"N	80°1'27.06"E	4	13°2'55.79"N	80°1'28.82"E
S.No	Latitude	Longitude															
1	13°2'58.87"N	80°1'21.41"E															
2	13°2'52.45"N	80°1'19.60"E															
3	13°2'50.86"N	80°1'27.06"E															
4	13°2'55.79"N	80°1'28.82"E															
5.	Total Area (in sq. m)	Total Land Area – 36,174.00 Sq.m (8.93 acres)															


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6.	Built up area	Proposed total built-up area – 1,07,973 Sq.m																																																															
7.	Cost of Project	Rs. 265.85 crores																																																															
8.	Brief description of the project	<p>The total built up area - 1,07,973 Sq.m in 36,174.00 Sq. m. of plot area.</p> <p>Detailed Built Up Area Statement</p> <table><tr><th>S.No</th><th>Project Components</th><th>No. of Floors</th><th>Total built up area (Sq.m)</th><th>Dwelling units (Nos.)</th></tr><tr><td>1</td><td>Tower 1</td><td>S+13 floors</td><td>9,424</td><td>156</td></tr><tr><td>2</td><td>Tower 2</td><td>S+13 floors</td><td>12,660</td><td>117</td></tr><tr><td>3</td><td>Tower 3</td><td>B+S+13 floors</td><td>15,050</td><td>143</td></tr><tr><td>4</td><td>Tower 4</td><td>B+S+13 floors</td><td>15,050</td><td>143</td></tr><tr><td>5</td><td>Tower 5</td><td>S+13 floors</td><td>12,660</td><td>117</td></tr><tr><td>6</td><td>Tower 6</td><td>B+S+13 floors</td><td>16,941</td><td>169</td></tr><tr><td>7</td><td>Tower 7</td><td>B+S+13 floors</td><td>21,113</td><td>208</td></tr><tr><td>8</td><td>Club House</td><td>B+G+2 floors</td><td>1,097</td><td>–</td></tr><tr><td>9</td><td>Shop / Commercial</td><td>S+4 floors</td><td>1,798</td><td>–</td></tr><tr><td>10</td><td>Other Utilities</td><td>-</td><td>2,180</td><td>–</td></tr><tr><td colspan="3">Grand total</td><td>1,07,973 Sq.m</td><td>1,053 Nos.</td></tr></table>				S.No	Project Components	No. of Floors	Total built up area (Sq.m)	Dwelling units (Nos.)	1	Tower 1	S+13 floors	9,424	156	2	Tower 2	S+13 floors	12,660	117	3	Tower 3	B+S+13 floors	15,050	143	4	Tower 4	B+S+13 floors	15,050	143	5	Tower 5	S+13 floors	12,660	117	6	Tower 6	B+S+13 floors	16,941	169	7	Tower 7	B+S+13 floors	21,113	208	8	Club House	B+G+2 floors	1,097	–	9	Shop / Commercial	S+4 floors	1,798	–	10	Other Utilities	-	2,180	–	Grand total			1,07,973 Sq.m	1,053 Nos.
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Grand total			1,07,973 Sq.m	1,053 Nos.																																																													
9.	a) Water requirement KLD	<p>During Operation</p> <p>Total water requirement – 750 kLD</p> <p>Fresh water requirement – 485 kLD</p> <p>Treated Water requirement – 265 kLD</p>																																																															
10.	Quantity of	Sewage Generation – 633 KLD																																																															

	Sewage KLD	Treated Generation – 633 KLD																												
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13.	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>Bio degradable solid waste</td><td>2,001 Kg / day</td><td>Treated in Organic waste converter and compost used as manure for gardening</td></tr><tr><td>Non-Biodegradabl e solid waste @ 60%</td><td>1,334 Kg/day</td><td>Handed over to local body / Authorized recyclers</td></tr><tr><td>STP Sludge</td><td>75 Kg/day</td><td>After drying used as manure for greenbelt development</td></tr></table>			Description	Quantity	Mode of Disposal	Bio degradable solid waste	2,001 Kg / day	Treated in Organic waste converter and compost used as manure for gardening	Non-Biodegradabl e solid waste @ 60%	1,334 Kg/day	Handed over to local body / Authorized recyclers	STP Sludge	75 Kg/day	After drying used as manure for greenbelt development														
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14.	Power requirement	5,000 KVA from Tamil Nadu Generation & Distribution Corporation																												

15.	Details of D.G. set with Capacity	Proposed 1Nos. of 250 kVA nos . proposed with stack height of 45 above the ground level and 4 nos. of 400 KVA capacity DG sets proposed with stack height of 46 above the ground level																																							
16.	Details of Green Belt Area	5,426 sq.m																																							
17.	Details of Parking Area	<table><tr><th colspan="5">Parking Details</th></tr><tr><th rowspan="2">Parking location</th><th colspan="2">Car parking</th><th colspan="2">Two Wheeler parking</th></tr><tr><th>No of car parks</th><th>Area (Sq.m)</th><th>No of two wheeler parks</th><th>Area (Sq.m)</th></tr><tr><td>Surface parking</td><td>173</td><td>2,163</td><td>898</td><td>1,617</td></tr><tr><td>Stilt parking</td><td>340</td><td>4,250</td><td>91</td><td>164</td></tr><tr><td>Basement parking</td><td>423</td><td>5,288</td><td>88</td><td>159</td></tr><tr><td>Total parking provided</td><td>936 nos</td><td>11,701 Sq.m</td><td>1,077 nos</td><td>1,940 Sq.m</td></tr><tr><td>Total parking required as per CMDA norms</td><td>910 nos</td><td>11,375 Sq.m</td><td>1,053 nos</td><td>1,895 Sq.m</td></tr></table>	Parking Details					Parking location	Car parking		Two Wheeler parking		No of car parks	Area (Sq.m)	No of two wheeler parks	Area (Sq.m)	Surface parking	173	2,163	898	1,617	Stilt parking	340	4,250	91	164	Basement parking	423	5,288	88	159	Total parking provided	936 nos	11,701 Sq.m	1,077 nos	1,940 Sq.m	Total parking required as per CMDA norms	910 nos	11,375 Sq.m	1,053 nos	1,895 Sq.m
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18.	Provision for rain water harvesting	Total Rainwater Runoff – 1954 cum per day No of recharge pits - 55nos.																																							
19.	EMP Cost (Rs.)	Construction Phase: Capital Expenses: Rs. 19.34 lakhs Operational Expenses: Rs. 31.17 lakhs Operation Phase: Capital Expenses: Rs. 124.52 lakhs																																							


		Operational Expenses: Rs. 20.06 lakhs
20.	CER activities with the specific allocation of funds	Rs. 3.90 Crores

Earlier, this proposal was placed in the 299th Meeting of SEAC held on 23.07.2022. Based on the presentation made and documents furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance** subject to the specific conditions, in addition to standard conditions stipulated by MOEF &CC.

Subsequently, this proposal was placed in the 544th Authority meeting held on 25.08.2022. The authority noted that this proposal was placed for appraisal in this 299th meeting of SEAC held on 23.07.202. SEAC has furnished its recommendations to the Authority for granting the Environmental Clearance to the project subject to the conditions stated therein. After detailed discussion, the Authority decided to request the Member Secretary SEIAA-TN to refer back the proposal to SEAC-TN stating the following reasons,

- i. The PP shall furnish details about the space allocated for children's play Ground.
- ii. The PP shall furnish the details of STP area and waste water disposal.
- iii. The PP shall provide the details of space allocated for Indoor games, Gym and community hall.
- iv. The PP shall provide visitor's parking area details and the vehicles should not be parked in the Road. The place of parking of vehicles coming to commercial building complex to be indicated.
- v. The PP shall furnish detailed revised EMP.

Now, the PP had submitted the reply as sought by the Authority vide letter dt:10.10.2022. Hence, the subject was placed for reappraisal in this 221st Meeting of SEAC held on 14.10.2022. The Project proponent made a presentation along with the clarifications for the above shortcomings observed by the SEIAA. The committee carefully examined the points raised by SEIAA and the replies given by the PP and **decided to reiterate its recommendation already made** in 299th Meeting of SEAC held on 23.07.2022. All other conditions stipulated in the earlier minutes will remain unaltered.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Agenda No: 321-6

(File No. 2655/2022)

Proposed construction of Residential Complex "Innova" at S.F. Nos. 482/2A2A3, 482/2A2A4 & 482/2A2A5 Mangadu Village, Sriberumbudur Taluk, Kancheepuram District, Tamil Nadu by M/s. P dot G Constructions Pvt. Ltd - For Environmental Clearance Amendment. (SIA/TN/MIS/196733/2021 dated: 05.02.2021)

The proposal was placed in this 321st meeting of SEAC held on 14.10.2022.

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 Proponent, M/s. P dot G Constructions Pvt. Ltd has applied for Environmental Clearance Amendment for the Proposed construction of Residential Complex "Innova" at S.F. Nos. 482/2A2A3, 482/2A2A4 & 482/2A2A5 Mangadu Village, Sriberumbudur Taluk, Kancheepuram District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006.
3. The PP had applied for Environmental Clearance and EC issued vide SEIAA Lr. No. SEIAA-TN/F.No.2655/EC/8(a)/389/2014 dated: 30.03.2015.
4. Now, the PP has applied online through Parivesh portal vide Proposal No. SIA/TN/MIS/196733/2022 dated: 05.02.2022 for EC Amendment and stated that "Due to present market scenario and demand. The Total No. of Residential dwelling units shall be increased"

S.no	Reference of Approved EC	Description as per Approved EC	Description as per Proposal Amendment
1	Total No. Of Dwelling Units	234	277
2	Green Belt Area	920Sq.m	1381.66 Sq.m
3.	Total Built-up Area	22335.77 Sq.m	29418.312 Sq.m


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SEAC- TN

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

Agenda No: 321-07

File No: 3064/2022

Proposed Construction of Hospital and Educational Institution at S.F.Nos: 88/1B1B, 1B2B, 1B3B, 2B1B, 2B2, 3, 4, 5, 6,7,8A (Pt), 8B, 89/1B1B, 1B2B, 1B3B, 1B4B, 1B5B, 1B6, 2, 90/1, 2A, 2B, 2C, 2D, 2E, 2F, 3A, 3B, 3C, 3D, 91/2, 94/1(Pt) in Nalrayanpatti Village, 38, 39(Pt), 48/8 (Pt), 9, 10, 11, 16, 54/1, 2, 3, 4, 8, 10, 11, 12, 13, 15, 17, 21, 22, 23, 24, 25, 26, 27, 55/1, 2(pt), 3, 4, 5, 117/ 1 , 3(pt), 118/1, 2, 3, 119/1, 2, 7, 8, 9, 120/6, 7 in Chinnaseeragapadi Village in Survey No. 37/2C, 2E, 2F, 40/1N, 2, 3D(Pt), 42/5A, 6A, 6B, 6E, 6F, 6I, 6J, 6K, 7, 8A, 9, 10, 11A, 11B, 13 in Veerapandi Village, Veerapandi Panchayat Union, Salem Taluk, Salem District, Tamil Naduby M/s.Vinayaka Mission's Kirupananda Variyar Medical College & Hospital – For amendment in Environmental Clearance issued. (SIA/TN/MIS/267469/2022, Dated: 12.04.2022)

The proposal was placed for appraisal in this 321st meeting of SEAC held on 14.10.2022. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The PP was issued with Environmental Clearance vide Letter.No.SEIAA-TN/F.No.3064/ EC/8(a)/4863/2021 dated:30.10.2021 under violation category
2. Now, the PP has applied for amendment for the following in the existing EC issued:

	Description	As per EC issued	Amendment sought
1	Utilities – water (in KLD)	Total water requirement – 660 Fresh water requirement – 287 Domestic (Fresh water) – 262 Lab & OT (Fresh water) – 25 Toilet flushing (Recycled	Total water requirement – 660 Fresh water requirement – 397 Domestic (Fresh water) – 262 Lab & OT (Fresh water) – 25 Toilet flushing (Fresh water) – 110 Greenbelt & OSR (Recycled


MEMBER SECRETARY
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		water) – 110 Greenbelt & OSR (Recycled water) – 263	water) – 263
2	Waste water treated sewage & mode of disposal with quantity	Treated waste water – 352 KLD Flushing – 110 KLD Greenbelt & OSR – 263 KLD HVAC – 89 KLD	Treated waste water – 352 KLD Greenbelt & OSR – 263 KLD Avenue Plantation – 89 KLD
3	No. of beds to be included in product column	-	630
4	D.G. Set	D.G. Sets of 250 KVA – 2 Nos.	D.G. Sets 250 KVA – 1 No. (proposed) & D.G. Sets 82.5 KVA – 3 Nos. (Proposed) Totally 6 Nos. of DG set (3Nos of 250 KVA & 3 Nos. of 82.5 KVA)

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

- A Commitment letter from competent authority for supply of 397 KLD of fresh water shall be furnished.
- A revised letter from competent authority regarding the acceptance of treated waste water for avenue plantation shall be furnished.
- The proponent shall furnish the details of difference between the Earlier EC issued and amendment sought in a detailed tabular form with reason/ remarks for each item.

Agenda No. 321 - 08.

File No.9441/2022

Proposed construction of Residential Building at S.F.No 101/1A, 1B, 2, 3A, 3B, 102/1A, 1B, 2, 103, 104/1A, 1B, 1C, 1D, 1E1, 1E2, 2A, 2B, 2C, 3A, 3B, 105/1A, 2A, 1B, 2B1, 2B2, 2C1, 2C2, 3A, 3B, 4A1, 4A2, 4B1, 4B2, 4C1, 4C2, 4C3A, 4C3B, 4C4, 5A, 5B, 116/1A, 1B, 1C, 2, 3A, 3B, 3C, 3D, 4, 5A, 5B, 5C, 6, 117/1A, 1B, 1C, 2A, 2B, 2C, 118/1, 2A, 2B, 2C, 2D, 3A, 3B, 119/2A, 2B1, 2B2, 2B3, 2B4, 2C, 2D, 2E, 120, 121/1A, 1B, 1C, 1D, 2, 3A, 3B, 3C, 3D, 4A, 4B, 122/1A1B of Nemmeli Village, Thirupporur Taluk, Chengalpeta District, Tamilnadu by M/s. KAIRAV Developers Limited – For Environmental Clearance. (SIA/TN/MIS/287911/2022) Dt: 09.08.2022.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

The proposal was placed in the 321st SEAC Meeting held on 14.10.2022. The details of the minutes are available in the website (parivesh.nic. in).

The SEAC noted the following:

1. The Proponent, M/s. KAIRAV Developers Limited has applied for Environmental Clearance for the proposed construction of residential building S.F.No 101/1A, 1B, 2, 3A, 3B, 102/1A, 1B, 2, 103, 104/1A, 1B, 1C, 1D, 1E1, 1E2, 2A, 2B, 2C, 3A, 3B, 105/1A, 2A, 1B, 2B1, 2B2, 2C1, 2C2, 3A, 3B, 4A1, 4A2, 4B1, 4B2, 4C1, 4C2, 4C3A, 4C3B, 4C4, 5A, 5B, 116/1A, 1B, 1C, 2, 3A, 3B, 3C, 3D, 4, 5A, 5B, 5C, 6, 117/1A, 1B, 1C, 2A, 2B, 2C, 118/1, 2A, 2B, 2C, 2D, 3A, 3B, 119/2A, 2B1, 2B2, 2B3, 2B4, 2C, 2D, 2E, 120, 121/1A, 1B, 1C, 1D, 2, 3A, 3B, 3C, 3D, 4A, 4B, 122/1A1B of Nemmeli Village, Thirupporur Taluk, Chengalpet District ,Tamilnadu.
2. The project/activity is covered under category "B" of Item 8 (a) "Building and Construction" of the schedule to the EIA Notification 2006.
3. Total land area available is 45425.96 Sqm and the built-up area is 60562.97 Sqm. 1(Tower 1 – (S+5), Tower 2 – (G+4), Tower 3– (G+4) &(S+5), Tower 4– (G+4) &(S+5), Tower 5– (G+4) &(S+5), Tower 6– (G+4), Tower 7– (G+4) &(S+5), Tower 8– (G+4) &(S+5), Tower9– (G+4) &(S+5), Tower 10– (G+4) &(S+5), Tower 11– (G+4) &(S+5), Tower 12– (G+4) &(S+5), Tower 13– (G+4) &(S+5), Tower 14– (G+4) &(S+5), Club House, Care Homes, DG set Service rooms, Guard Room & Temple) – Total Dwelling units- 451 Nos.)

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 TNPCCB before obtaining CTO and copy submitted to SEIAA-TN.
2. The building shall conform to minimum of IGBC Silver green building norms and shall obtain IGBC Silver 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 Tiruporur Panchayat for before obtaining CTO.
5. The project proponent shall provide STP of capacity 340 KLD and treated water shall be utilized for Toilet flushing, OSR and green belt as proposed.
6. The project proponent shall install STP on 'BOT' basis to build, operate & maintain the STP for a minimum period of 10 years as committed before SEAC.
7. The project proponent shall furnish mutual commitment letter (or) an agreement executed with the competent authority/ authorized representative of Tiruporur Panchayat for utilization of excess treated sewage for avenue plantation as committed for developing green belt purpose before obtaining CTO from TNPCB.
8. The PP shall analyse the treated wastewater samples periodically through TNPCB.
9. The treated/untreated sewage water shall not be let-out from the unit premises.
10. The proponent shall provide adequate organic waste disposal facility such as organic waste convertor waste within project site as committed and non- Biodegradable waste to authorized recyclers as committed.
11. The height of the stacks of DG sets shall be provided as per the CPCB norms.
12. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc. To TNPCB before obtaining CTO.
13. The proponent shall make proper arrangements for the utilization of the treated water from the proposed site for Toilet flushing, 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 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.
17. 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.
18. 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
19. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
20. The project proponent shall allot necessary area for the collection of E waste and strictly follow the E-Waste Management Rules 2016, as amended for disposal of the E waste generation within the premise.
21. 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.

- 22.No waste of any type to be disposed off in any other way other than the approved one.
- 23.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.
- 24.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.
- 25.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.
- 26.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.
- 27.Utilization of the solar 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.
- 28.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.
- 29.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.
- 30.As accepted by the Project Proponent an amount of Rs. 1.10 crore shall be spent as CER as committed before SEAC

S.No.	Beneficiary	CER Activities	Capital Cost Allocation
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1.	Government High School, Pattipulam.	i. Green belt development in the school ii. Providing hygiene Toilets rooms for students iii. Providing Environmental related books in the school library iv. Electrical incinerators for disposal of sanitary napkins v. Infrastructure development works if any as per demand vi. Building repair work as per school demand	15
2.	Government Higher Secondary School, Nemmeli	i) Providing Sanitation facilities – Toilets, Sanitary napkins and incinerator disposal of sanitary napkins. ii. Provision of Library facilities. Improving IT Infrastructures, Greeneries development around the periphery of the school and Rainwater harvesting system	15
3.	Government Higher Secondary School, Thiruporur	i. Green belt development in the school ii. Providing hygiene Toilets rooms for students iii. Providing Environmental related books in the school library iv. Electrical incinerators for disposal of sanitary napkins	10
4.	Government Higher Secondary School, Kelambakkam	i. Green belt development in the school ii. Providing hygiene Toilets rooms for students iii. Providing Environmental related books in the school library iv. Electrical incinerators for disposal of sanitary napkins.	10
5.	Olive Ridley Sea Turtle Conservation Programme		60
Total Cost Rs.			1.1 Crores

Agenda No: 321-09

File No: 9460/2022)

Proposed Standalone Cement Grinding unit of 500 TPD at SF.No. 30/2, 30/3 & 30/4 Dheevanur Village, Tindivanam Taluk, Villupuram District, Tamil Nadu by M/s. Sakthipriyan Cements - For Terms of reference (SIA/TN/IND/8234/2022 Dt. 13.08.2022)


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC - TN

The proposal was placed in this 321th SEAC Meeting held on 14.10.2022. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

SEAC noted the following:

1. The Proponent, M/s. Sakthipriyan Cements has applied for Terms of reference for the proposed Standalone Cement Grinding unit of 500 TPD at SF.No. 30/2, 30/3 & 30/4 Dheevanur Village, Tindivanam Taluk, Villupuram District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of item 3(b) "Cement plants" of the Schedule to the EIA Notification, 2006.
3. The proposal consists standalone Cement Grinding Unit of 500TPD of PPC, OPC & PSC with plot area – 1.877 Ha.
4. The Raw materials such as Clinker- 200 TPD, Gypsum- 25 TPD, Fly Ash – 175 TPD & GGBFS/Slag- 100 TPD. It is proposed to grind Clinker with other Raw Materials for producing Portland Pozzolana Cement (PPC), Ordinary Portland Cement (OPC) & Portland Slag Cement (PSC) @0.2 Million Tonnes per Annum (MTPA) @ 500 Tonnes per day (TPD).

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 consultation**, subject to the following ToRs 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:

1. The PP shall incorporate the Oliver Ridley Sea Turtle conservation measures in consultation with Wild life Warden, Chennai in the EIA Report.
2. Clear village map, FMB sketch & A Register shall be furnished.
3. 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.

4. The project proponent has to submit the reclassification certificate from unclassified land to Industrial Land for the proposed project from the competent Authority.
5. The PP shall obtain fresh water supply commitment letter and disposal of excess treated water from the local body /TWAD.
6. The PP shall furnish An Agreement for purchase of raw material.
7. Details of fugitive emission and control measures shall be furnished.
8. Air modelling study shall be conducted for the CPCB parameters considering the impact on the proposed plant to the nearby village.
9. CER proposal shall be furnished as per the MOEF & CC OM dated: 01.05.2018.
10. 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.,
11. The GPS co-ordinates for the boundaries at the green belt proposed & proposed project site shall be furnished separately.

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

- 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):

- 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.
- 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)

- I. 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.

Agenda No: 321-10

(File No: 9477/2022)

Proposed construction of new multistoried 'B' type quarters at S.F.Nos. 13/pt, 13/pt/1J part in Todhunter Nagar, Saidapet, Chennai, Tamilnadu by M/s. Public Works Department - For Terms of Reference Under violation (SIA/TN/MIS/82972/2022, dated: 26.08.2022).


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

The proposal was placed for appraisal in this 321st meeting of SEAC held on 14.10.2021. 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. Public Works Department, has applied for Environmental Clearance for the proposed of new multistoried 'B' type quarters at S.F.Nos. 13/pt, 13/pt/1J part in Todhunter Nagar, Saidapet, Chennai, Tamilnadu.
2. The project/activity is covered under Category "B2" of Item 8(a) "Building and construction projects" of the Schedule to the EIA Notification, 2006.

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 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.
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 PP shall explore the possibility of 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.
13. The layout plan shall be furnished for the greenbelt area earmarked with GPS coordinates by the project proponent on the periphery of the site and

the same shall be submitted for CMDA/DTCP approval. The green belt width should be at least 3m wide all along the boundaries of the project site. The green belt area should not be less than 15% of the total land area of the project.

14. 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.
15. 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.
16. The project proponent shall furnish detailed baseline monitoring data with prediction parameters for modelling for the ground water, emission, noise and traffic.
17. The proposal for utilization of at least 25% of Solar Energy shall be included in the EIA/EMP report.
18. As per the MoEF&CC Office Memorandum F.No.22-65/2017-IA.II 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

Agenda No: 321-11.

(File No: 9108/2022)

Proposed additional construction of existing infrastructure facilities for Hospital, Institutional building and Hostels on plot bearing Survey Nos: S.No. 149/2 and 150/1 & 4 of Karambakkam Village, S.No. 39/2 & 4 of Chettairagaram Village and S.No.79/2, 80/2, 81 to 85, 86/2, 87 to 102, 103/2 and 104 to 109/1 & 2 of Thandalam Village of Greater Corporation of Chennai, Zone – XI, Division – 150 and S.No. 151/6, 163/5 & 6, 187/2, 188 to 221 of Ayyappan Thangal Village & S.No. 1 to 3 of Thelliyaragaram Village, Sriperumpudur Taluk , Kundrathur Panchayat Union, Kanchipuram district and in S.No. 210/1 & 4 of Vanagaram Village, Ambattur Taluk, Villivakkam Panchayat Union, Ambattur Taluk, Tiruvallur District by M/s. Sri Ramachandra Educational And Health Trust – For Terms of Reference (SIA/TN/MIS/71548/2022),Dt:29.01.2022.

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


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

The SEAC noted the following:

1. The Project proponent M/s.Sri Ramachandra Educational And Health Trust has applied for Terms of Reference for the proposed additional construction of existing infrastructure facilities for Hospital, Institutional building and Hostels on plot bearing Survey Nos: S.No. 149/2 and 150/1 & 4 of Karambakkam Village, S.No. 39/2 & 4 of Chettairagaram Village and S.No.79/2, 80/2, 81 to 85, 86/2, 87 to 102, 103/2 and 104 to 109/1 & 2 of Thandalam Village of Greater Corporation of Chennai, Zone – XI, Division – 150 and S.No. 151/6, 163/5 & 6, 187/2, 188 to 221 of Ayyappan Thangal Village & S.No. 1 to 3 of Thelliyaragaram Village, Sriperumpudur Taluk , Kundrathur Panchayat Union, Kanchipuram district and in S.No. 210/1 & 4 of Vanagaram Village, Ambattur Taluk, Villivakkam Panchayat Union, Ambattur Taluk, Tiruvallur District.
2. The project/activity is covered under Category "B" of item 8(b) "Building and Construction Projects" of the Schedule to the EIA Notification' 2006.
3. Earlier, the PP has obtained EC vide Lr No. SEIAA /TN /F.No. 527/EC/8(b)/197/2012 Dt: 16.07.2013 & Extension of validity/Amendment vide Lr. No. SEIAA-TN/F-527/2012/A-Ext/2016 Dt: 24.06.2016.
4. The Project consists existing Built-up area of 393454.22 Sq. m & 133002.04 Sq. m. proposed Built-up area. Total Built up area after expansion $393454.22 + 133002.04 = 526456.26$ Sq.m. The total land area 669604.19 Sq.m.(No additional land for the proposed expansion activity).
5. Auto ToR Generated on 21.04.2022.

The Office memorandum dated: 09.06.2015 in regard to Clarification regarding Gazette Notification No. S.O. 3252 (E) dated 22.12.2014 on applicability of Environment Clearance states that

"The Ministry is in receipt of representation from various educational institutions regarding issuing clarification on status of universities, and other educational institutions. The matter has been further examined in the Ministry and it is clarified that the Notification No. S.O. 3252 (E) dated 22.12.2014 provides exemption to buildings of educational institutions including universities from obtaining prior Environment Clearance under the provisions of the EIA Notification, 2006 subject to


sustainable environmental Management. In case of medical universities/institutes the component of Hospitals will continue to require prior Environment Clearance."

The Office memorandum dated: 19.05.2022 in regard to Clarification regarding Gazette Notification No. S.O. 3252 (E) dated 22.12.2014 & O.M Dt: 09.06.2015 on applicability of Environment Clearance states that

" In this regard, Department of Higher Education, Ministry of Education has informed that different types of education institutions in terms of school, college, university, technical institutions, etc., have been defined in various statutes for the purpose of recognition, affiliation, accreditation etc. However, there is no specific definition of the term 'educational institutions'. Further, Department of Higher Education informed that as per Noise Pollution (Regulation and Control) Rules, 2000 under the Environment Protection Act, 1986, the term 'educational institutions' has been defined, as:

"educational institution" means a school, seminary, college, university, professional academies, training institutes or other educational establishment, not necessarily a chartered institution and includes not only buildings, but also all grounds necessary for the accomplishment of the full scope of educational instruction, including those things essential to mental, moral and physical development."

The matter has been examined in the Ministry and it has been decided that the exemption provided for educational institutions vide Ministry's Notification No. S.O. 3252 (E) dated 22.12.2014 shall be applicable to all educational institutions covered under the definition of educational institution as mentioned in Noise Pollution (Regulation and Control) Rules, 2000. However, these educational institutions shall strictly implement the guidelines issued vide OM dated 9th June 2015 to ensure sustainable environment management."


MEMBER SECRETARY
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The proposal was placed for appraisal in 299th meeting of SEAC held on 23.07.2022. It was noted that project proponent was absent for the appraisal. Hence, the SEAC has decided to call for explanation of the PP for not attending the meeting.

The proposal was placed for appraisal in 321st meeting of SEAC held on 14.10.2022. It was noted that project proponent vide Ir. Dt: 12.10.2022 informed that their EIA coordinator has scheduled public hearing on the same day in the Haryana State with the Haryana State Pollution Control Board and to consider request to postpone the presentation in the next SEAC meeting. Hence, the SEAC has decided take up appraisal in any one of the ensuing SEAC meeting.


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>	Vilyam	வில்லம்
2	<i>Adenanthura pavonina</i>	Manjadi	மஞ்சாடி, ஆனந்தகுன்றிமணி
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	இருவத்தி
8	<i>Buchanania axillaris</i>	Kattuma	காட்டுமா
9	<i>Borassus flabellifer</i>	Panai	பனை
10	<i>Butea monosperma</i>	Murukkamaram	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 roxburghii</i>	Sengondrai	செங்கொன்றை
15	<i>Chloroxylon swietenia</i>	Purasamaram	புரசு மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Manjallavu	கோங்கு, மஞ்சள் இலவு
17	<i>Cordia dichotoma</i>	Naruvuli	நருவுலி
18	<i>Cretia adansoni</i>	Mavalingum	மாவிலங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உசா
20	<i>Dillenia pentagyna</i>	SiruUva, Sitruzha	சிறு உசா
21	<i>Diospyro sebenum</i>	Karungali	கருங்காளி
22	<i>Diospyro schloroxylon</i>	Vaganai	வாகனை
23	<i>Ficus amplissima</i>	Kallitchi	கல் இச்சி
24	<i>Hibiscus tiliaceus</i>	Aatrupoovarasu	ஆற்றுப்பருக
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயா மரம், ஆயிலி
27	<i>Lanea coromandelica</i>	Odham	ஒழியம்
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	விளா மரம்
31	<i>Litsea glutinos</i>	Pisinpattai	பிளிப்பட்டை
32	<i>Madhuca longifolia</i>	Illuppai	இலுப்பை
33	<i>Manilkara hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழ்மரம்
35	<i>Mitragyna parvifolia</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுனா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெள்ளை நுனா
38	<i>Phoenix sylvestre</i>	Eachai	ஈச்சமரம்
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்

40	<i>Premna mollissima</i>	Munnai	முன்னை
41	<i>Premna serratifolia</i>	Narumunnai	நறு முன்னை
42	<i>Premna tomentosa</i>	Malaipoovarasu	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	வேண்டாங்கு
46	<i>Pterospermum xylocarpum</i>	Polavu	புலவு
47	<i>Puthranjiva roxburghii</i>	Karipala	கரிபலா
48	<i>Salvadora persica</i>	Ugaa Maram	ஊகா மரம்
49	<i>Sapindus emarginatus</i>	Manipungan, Soapukai	மணிப்புகள் சோபுகாய்
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	தேத்தாங் கோட்டை
54	<i>Syzygium cumini</i>	Naval	நாவல்
55	<i>Terminalia belleric</i>	Thandri	தாண்ட்ரி
56	<i>Terminalia arjuna</i>	Ven marudhu	வேன் மருது
57	<i>Toona ciliata</i>	Sandhana vembu	சந்தாந 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	கோடுக்காபுலி